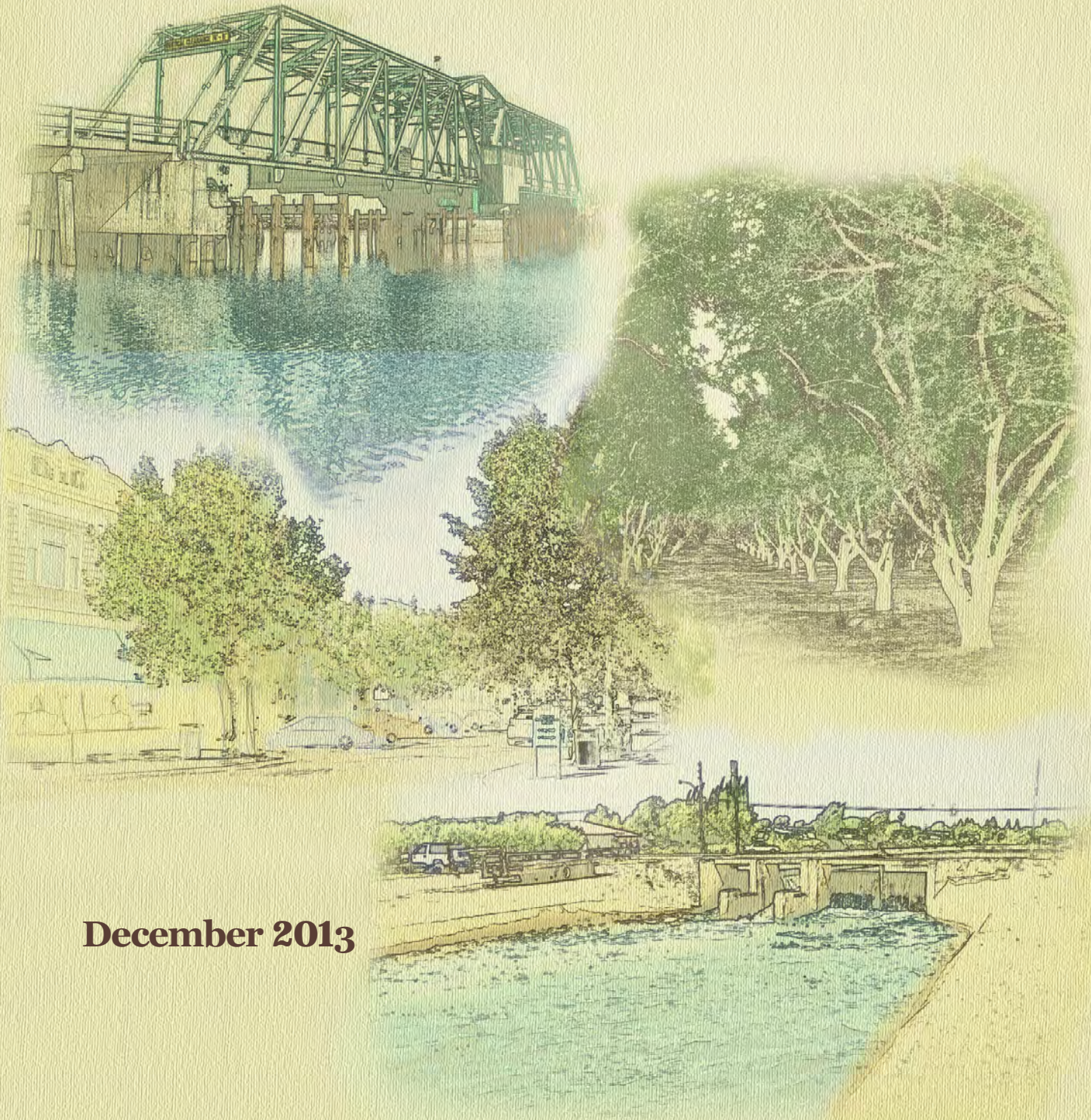


East Stanislaus Region

Integrated Regional Water Management Plan



APPENDICES



December 2013

Note to Reader:

The following appendices contain the most current information available at the time of Plan publication.

Please see the East Stanislaus Integrated Regional Water Management Planning website, located at <http://www.eaststanirwm.org/>, for the most recent information.

Appendix A



**MEMORANDUM OF UNDERSTANDING
AMONG CITY OF MODESTO, CITY OF TURLOCK, CITY OF HUGHSON, AND CITY OF CERES
FOR INTEGRATED REGIONAL WATER MANAGEMENT PLANNING**

This Memorandum of Understanding (MOU) dated August 23, 2011 is entered among the City of Modesto, City of Turlock, City of Hughson, and City of Ceres (collectively known as the East Stanislaus Regional Water Management Partnership or Partnership) for the purposes of coordinating water resources planning activities undertaken by the cities/water agencies and to establish mutual understandings of cities/water agencies with respect to their joint efforts in developing an Integrated Regional Water Management Plan (IRWMP) that will increase regional coordination, collaboration and communication and help in obtaining funding for water resources-related projects.

WHEREAS, the California Legislature enacted SBX2 1 (Perata, Chapter 1 Statutes of 2008), the Integrated Regional Water Management Planning Act, which provides that a regional water management group may prepare and adopt an Integrated Regional Water Management Plan.

WHEREAS, In November 2006, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act (Prop 84), authorized Legislature to appropriate funding for competitive grants for projects included in Integrated Regional Water Management Plans.

WHEREAS, the Cities of Ceres, Hughson, Turlock and Modesto adopted and entered into a cost share agreement for the preparation of an Integrated Regional Water Management Plan on June 22, 2010.

WHEREAS, the Partnership has submitted an application for approval of the Integrated Regional Water Management Plan and East Stanislaus Region approval, which includes descriptions of the regional boundary, the Partnership, Committees, and governance structure, among other topics, through the Department of Water Resources (DWR) Region Acceptance Process (RAP).

WHEREAS, the signatories of the MOU anticipate the potential need for future agreements on specific projects or programs and with other affected agencies to further coordinate long-term water resources planning.

WHEREAS, the MOU does not prevent any signatory from pursuing other projects individually and participation in Plan planning is nonbinding, and in no way suggests that an agency's ability to plan and undertake efforts to plan for projects or secure project funding from any source. An agency may withdraw from participation at any time.

Now, therefore, the following is mutually understood and agreed:

1. GOALS

The goals of the Partnership are:

1.1. To develop a comprehensive planning document to facilitate regional cooperation in providing water supply reliability, water recycling, water conservation, water quality improvement, storm water capture and management, flood management, wetlands enhancement and creation, and environmental and habitat protection and improvement.

1.2. To foster coordination, collaboration and communication between Partnership agencies responsible for water-related issues and interested stakeholders, to achieve greater efficiencies, enhance public services, and build public support for vital projects.

1.3. To improve regional competitiveness for State and Federal grant funding.

2. DEFINITIONS

As used in this MOU, the following words and phrases shall have the meanings set forth below unless the context clearly indicates otherwise.

2.1. Integrated Regional Water Management Plan. The Integrated Regional Water Management Plan (IRWMP) envisioned by state legislators and state resource agencies that integrates the projects and management plans of all water-related agencies and stakeholders in a region, in this case the East Stanislaus Region, in order to foster coordination, collaboration and communication among those entities and to assist decision-makers in awarding grants and other funding. The plan will address water supply, water quality, wastewater, stormwater/flood control, watershed planning and habitat protection and restoration.

2.2. Agency. A public entity, be it a special district, city or other governmental entity, responsible for providing one or more services in the areas of water supply, water quality, wastewater, recycled water, water conservation, stormwater/flood control, watershed planning and habitat protection and restoration.

2.3. Service function. A water-related individual service function provided by an agency, i.e. water supply, water quality, wastewater, recycled water, water conservation, stormwater/flood control, watershed planning, and habitat protection and restoration.

2.4. Partnership. The Partnership consists of the member agencies signatory to this MOU.

2.5. Partner: Agencies that have signed this MOU shall individually be referred to as Partner.

2.6. Project. A comprehensive list of resource projects or programs that yield multiple benefits including one or more of the following: water supply reliability, water conservation and water use efficiency; stormwater capture, storage, clean-up, treatment and management; removal of invasive non-native species, the creation and enhancement of wetlands, and the acquisition, protection, and restoration of open space and watershed lands; non-point source pollution reduction, management and monitoring; groundwater recharge and management; contaminant and salt removal through reclamation, desalting, and conveyance of reclaimed water to users; water banking, exchange, reclamation and improvement of water quality; planning and implementation of multipurpose flood management programs; watershed protection and management; drinking water treatment and distribution; ecosystem and fisheries restoration and protection.

2.7. Management plan. An agency's or organization's plan, based in part on the land-use plans within the entity's jurisdiction, that addresses how that entity will provide service in the future in one or more of the following service functions: water supply, water quality, wastewater, recycled water, water conservation, stormwater/flood control, watershed planning or habitat protection and restoration.

2.8. Integration. Assembling into one document the water-related management strategies, projects and plans in the East Stanislaus Region. The first phase would be to identify water management strategies for the region and the priority projects that work together to demonstrate how these strategies work together to provide reliable water supply, protect or improve water quality, provide watershed protection and

planning, and provide environmental restoration and protection. Projects and plans would be categorized and opportunities to identify regional benefits of linkages between multiple water management strategies among projects and plans of separate service functions and to see where projects and plans of separate service functions may further interrelate, e.g. wastewater treatment and water recycling or habitat restoration.

3. IRWMP PROJECT PARTICIPANTS

3.1. Public agencies. Public agencies, which have developed projects and management plans, are responsible to their respective electorates, and are devoting staff to the process, will take the lead as the voice in the IRWM planning process as described in "Approach to developing the Plan" below. These public agencies shall be one or more of the Partners of the Partnership.

3.2. Contributing entities. Other entities, such as business and environmental groups, are considered valuable contributors and will continue to be invited and encouraged to participate.

3.3. Regulatory agencies. These agencies, such as the Regional Water Quality Control Board and the Department of Fish and Game, will be invited to participate.

3.4. Stakeholders and disadvantaged communities. The Signatories understand that a collaborative effort with stakeholders and disadvantaged communities, regardless of their ability to contribute financially, is vital to a successful Plan planning process and ultimate preparation of a Plan. The public at large, stakeholders, and disadvantaged communities will be asked to participate in the planning process and will be given opportunities to provide input and comments on the preparation of a Plan.

4. MUTUAL UNDERSTANDINGS

4.1. An IRWM Plan is needed for the following reasons:

(a) To foster increased coordination, collaboration and communication between East Stanislaus Region cities/water agencies and interested stakeholders that may result in more effectively managed resources, cost efficiencies and better service to the public.

(b) Some state grants and other funding opportunities require development and implementation of an Integrated Regional Water Management Plan.

4.2. Future cost sharing agreements will be developed among the Partnership members, as needed. Developing an Implementation Grant Funding Application and minor costs of supporting the governance structure are two areas that may require additional funding through this cost sharing agreement.

4.3. The Plan will include, but may not necessarily be limited to, water supply, water quality, wastewater, recycled water, water conservation, stormwater/flood control, watershed planning and habitat protection and restoration. It is acknowledged that the management plans of each individual public agency are based, in part, on the land-use plans within an agency's jurisdiction. Therefore, the resultant Plan will by design have incorporated the land-use plans and assumptions intrinsic to the respective water-related service function.

4.4. The East Stanislaus Region for this MOU is defined as a portion of eastern Stanislaus County that includes the signatories' service areas and is bounded by the Merced River on the South and Stanislaus River on the north. A full description of the regional boundary will be included in the Regional Acceptance Process application which will be submitted to DWR for approval and also as depicted in Exhibit A.

4.5. Approach to developing the Plan:

(a) A reasonable approach towards developing the Plan is to first identify the roles and responsibilities of the representatives and stakeholders involved. The governance structure and public outreach sections of the Regional Acceptance Process application will more thoroughly describe these groups and their roles.

(b) The proposed forum for this regional planning effort is through the creation of the Partnership, Steering Committee, Stakeholder Committee and Stakeholder Subcommittees. Agencies, entities, and the public at large will be invited to participate in the effort. Throughout the Plan planning process, the Partnership will have final decision-making authority.

4.6. Decision-making. Consensus will be sought in the event the need for a decision arises. A governance structure will be developed outlining the decision making process. Any decision being made by the Partnership is done so based on a vote with each member representative in the Partnership receiving one vote and all actions requiring a simple majority vote. The Partners understand unless a vote of its representative is either pre-approved or ratified by the Partner's governing body, namely its city council or board, the effect of the representative's vote does not bind that Partner to the decision. Regional decision-making and management processes may be revised as the Region matures and the IRWM Plan is developed and implemented.

4.7. The Partnership shall consist of one representative and one alternate from each participating Partner in the Partnership. Such representatives shall be a board member, council member, general manager, city manager, or as designated by the member agency's electoral body. In the event that the primary representative is unavailable for a meeting, the alternate shall serve as representative.

4.8. Quorum. Representatives or alternates from a majority of the Partnership members shall constitute a quorum for transacting business, except that less than a quorum may vote to adjourn the meeting or to set a date for the next meeting.

4.9. Approval of the Plan. Plan approval and adoption is anticipated by each Partnership member. Should a Partnership member refuse to adopt the IRWMP, the reasons for refusal should be cited and attempts will be made to reconcile any differences. Should the differences remain irreconcilable, the dissenting member will be asked to withdraw from participation in the Partnership.

4.10. Non-binding nature. This document and participation in this MOU and Plan effort are nonbinding, and in no way suggest that a Partner may not continue its own planning and undertake efforts to secure project funding from any source. A Partner may withdraw from participation at any time.

4.11. Personnel and financial resources. It is expected that the signatories of the MOU will contribute the personnel and financial resources necessary to develop and implement the Plan as determined by subsequent agreements.

4.12. Terms of Office. Each representative and alternate in the Partnership shall serve as long as the Partner's governing body, namely the city council or board of directors, designates that person to serve in that capacity. . If at any time a representative vacancy occurs in the Partnership, a replacement shall be appointed or designated by the Partner within ninety (90) days of the date that such position becomes vacant. The Partner's alternate representative shall fulfill the role of primary representative until a primary representative is designated by the member agency. Alternate representatives to the Partnership shall be empowered to cast votes in the absence of the primary representative or in the event of a conflict of interest that prevents the primary representative from voting subject to this MOU.

4.13. Officers of the Partnership. The Partnership shall elect a Chair and Vice-Chair, and such other officers it deems appropriate. The duties of the Chair and Vice-Chair are as follows:

(a) Chair. The Chair shall direct the preparation of agendas, call meetings of the Partnership to order, and conduct other activities as deemed appropriate by the Partnership.

(b) Vice-Chair. The Vice-Chair shall serve as the Chair in the absence of the Chair. In the event both Chair and Vice-Chair are absent from a meeting, which would otherwise constitute a quorum, and a temporary Chair was not designated by the Chair at the last regular meeting, any Partnership member may call the meeting to order and a temporary chair may be appointed by majority vote to serve until the Chair or Vice-Chair is present.

4.14. Other on-going regional efforts. Development of the Plan is separate from efforts of other organizations to develop water-related plans on a regional basis. As the Plan is developed, work products can be shared with these other organizations.

4.15. Reports and communications. The Steering Committee will regularly report on the progress of the Partnership to the agencies and stakeholders they represent and the associations or organizations to which they belong that are involved in the Plan process.

4.16. Termination. Because the Plan will require periodic review and updating for use into the future, it is envisioned that the joint efforts of those involved will be on-going in maintaining a living document. Thus this document will remain as a reflection of the understandings of the participants when they signed the MOU. As indicated, Partners of the Partnership MOU may terminate their involvement at any time upon thirty (30) days written notice. However, the Partner terminating its involvement in the Partnership shall still be subject to any agreements entered into by the Partner before the effective date of the termination.

4.17. Additional agencies may join the Partnership provided the Partnership receives a written request from the interested agency to join, the Partnership receives a majority vote to approve the new agency's membership and the new agency becomes a signatory to this MOU and any related cost sharing agreements,

4.18. Procedures. The Partnership may adopt bylaws, rules of conduct for meetings, and operating procedures for the Partnership which would be updated from time to time as needed. To facilitate such efforts, the Partnership may adopt the administrative procedures and policies of a Partner.

4.19. Minutes. A secretary or clerk may be appointed by the Partnership to keep and distribute meeting minutes.

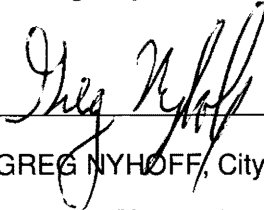
5. SIGNATORIES TO THE MEMORANDUM OF UNDERSTANDING

We, the undersigned representatives of our respective agencies, acknowledge the above as our understanding of how the East Stanislaus Integrated Regional Water Management Plan will be developed.

IN WITNESS WHEREOF, the Parties hereto have executed this Memorandum of Understanding as set forth below.

CITY OF MODESTO

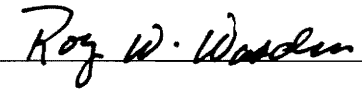
Member Agency

By: 
GREG NYHOFF, City Manager

Dated: 8-24-11

CITY OF TURLOCK

Member Agency

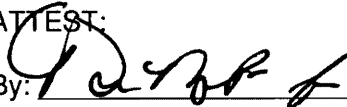
By: 
ROY WASDEN, City Manager

Dated: 8/29/11

APPROVED AS TO FORM:
By: 

PHAEDRA NORTON, CITY ATTORNEY

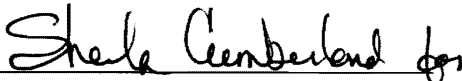
ATTEST:

By: 

STEPHANIE LOPEZ, City Clerk
Resolution 2011-359 Aug. 9, 2011


CITY OF CERES

Member Agency

By: 
ART DE WERK, Acting City Manager

Dated: 8-16-11

APPROVED AS TO FORM:

By: 

ROLAND R. STEVENS,
Assistant City Attorney

CITY OF HUGHSON

Member Agency

By: 
BRYAN WHITEMYER, City Manager

Dated: 8-10-11

Appendix B



ESRWMP Representatives and Alternates

City	Category	Name	Contact Info
<i>City of Modesto</i>	Representative	David Geer	dgeer@modestogov.com
	Alternate	Dave Cogdill	dcogdill@modestogov.com
<i>City of Turlock</i>	Representative	Forrest White	fjwhite@charter.net
	Alternate	Amy Bublak	abublak@yahoo.com
<i>City of Ceres</i>	Representative	Chris Vierra	chris.vierra@stantec.com
	Alternate	Bret Durossette	bret.durossette@ci.ceres.ca.us
<i>City of Hughson</i>	Representative	Jill Silva	jsilva@hughson.org
	Alternate	Matt Beekman	mattbeekman@usa.net

Appendix C



**East Stanislaus IRWM
Steering Committee Members
(2012-2013)**

City	Category	Name	Contact Info
<i>City of Modesto</i>	Representative	Jack Bond	npinhey@modestogov.com
	Alternate	Jim Alves	jalves@modestogov.com
<i>City of Turlock</i>	Representative	Dan Madden	dmadden@turlock.ca.us
	Alternate	Michael Cooke	mcooke@turlock.ca.us
<i>City of Ceres</i>	Representative	Mike Brinton	Michael.Brinton@ci.ceres.ca.us
	Alternate	Toby Wells	Toby.Wells@ci.ceres.ca.us
<i>City of Hughson</i>	Representative	Thom Clark	tclark@hughson.org
	Alternate	Dominique Spinale	dspinale@hughson.org

East Stanislaus Integrated Regional Water Management Planning Region

Steering Committee Roles & Responsibilities

Introduction

The purpose of the Steering Committee (SC) is to lead the East Stanislaus Integrated Regional Water Management (IRWM) planning and implementation process with direction from and in coordination with the East Stanislaus Regional Water Management Partnership (ESRWMP).

To help the SC run smoothly and successfully, these Roles and Responsibilities were prepared to govern the way in which the SC makes decisions and provides input to the IRWM planning and implementation process. The Roles and Responsibilities address the following:

- Overall responsibilities of the SC
- Guidance for communication
- Attendance expectations
- Participation during meetings
- Confidentiality of discussion items
- Information sharing
- Decision-making
- Work product review and development
- Media contact
- Amendments to Roles and Responsibilities

A. Responsibilities

The SC leads preparation and implementation of the East Stanislaus IRWM Plan, including, but not limited to, future updates of the Plan. Representatives of the SC are generally those that are actively managing projects. Responsibilities of the SC include:

- Manage contracts, information/databases, reporting
- Manage the IRWM Plan development and implementation
- Provide guidance to consultants and manage contracts
- Manage budgets and schedule
- Coordinate with the Public Advisory Committee (PAC)
- Present unresolved issues/work tasks to the PAC
- Generally manage the work
- Coordinate and implement the public outreach process
- Manage the East Stanislaus IRWMP website
- Ensure meetings are announced and posted in advance
- Coordinate distribution and posting of materials

Steering Committee Roles & Responsibilities

- Manage the Public Advisory Committee meetings
- Convey Public Advisory Committee's recommendations to the ESRWMP

B. Representation and Participation

The SC members will be asked and encouraged to participate as follows.

- Designate one representative, and if appropriate one alternate, to serve on the SC
- Attend and participate in SC meetings
- Come prepared to the SC meetings by reviewing work products and discussion items prior to the meeting
- When appropriate, specifically represent the interests and needs of any Disadvantaged Community (DAC) lying within the SC member's jurisdiction
- Review and provide timely comments on draft work products
- Adopt, or provide written support for, the East Stanislaus IRWM Plan

Some of these actions are discussed further in the following sections.

1. The goal of the SC is to have representatives of the entities implementing water resources-related projects engaged in discussion related to the IRWM planning and implementation process. The SC will reach consensus on East Stanislaus IRWM Plan content and recommendations and on the means and methods by which the Plan will be implemented. Straw votes may be taken from time to time to gauge the level of agreement on specific issues. Efforts should be made to accommodate the concerns of all parties.
2. The SC is expected to provide guidance to the PAC and to take the PAC's comments and constructive criticism on the IRWM planning process and work items into consideration while making decisions. Additionally, the SC will convey PAC and public comments and concerns to the ESRWMP and will facilitate decision-making at both the PAC and ESRWMP levels.
3. SC members will manage the budget and schedule developed for the IRWM Plan preparation and implementation appropriately to ensure the IRWM Plan is developed on time and within budget and that all subsequent operations are implemented in a likewise manner. The SC will also ensure the PAC is kept apprised of schedule and budget constraints.
4. With the SC's consent, new committee members may be added to the SC after the first meeting is held.
5. Any current member may terminate membership upon submittal of thirty (30) days written notice to the SC. Upon termination, the former member shall have no obligation to participate in the SC. With the SC's consent, a terminating member who wishes to maintain his or her organization's presence on the SC may be replaced.
6. SC membership is completely voluntary and is not a paid (money or in-kind) position.

Steering Committee Roles & Responsibilities

7. Members will be asked to abide by the following procedures to cultivate a venue for constructive discourse.
 - Allow one person speak at a time.
 - Treat one another with respect and common courtesy.
 - Be honest, fair, and as candid as possible.
 - Respect time constraints and be succinct.
 - Civility is required.
 - The personal integrity and values of each member will be respected by other members, including the avoidance of personal attacks and stereotyping.
 - The motivations and intentions of members will not be assumed nor criticized.
 - Come with an open mind and respect for other's interests and differing opinions.
 - Think outside the box and welcome new ideas.
 - Commitments will be kept.
 - Delay will not be employed as a tactic to avoid an undesired result.
 - Disagreements will be regarded as problems to be solved rather than as battles to be won.
8. Every member will check back with their respective entity and will keep them aware of the ongoing IRWM planning and implementation process and specific SC actions. Input from senior staff and/or governing boards of the SC members will be communicated back to the SC at its next meeting. Any dissension from the respective organizations' decision-making bodies that could affect acceptance of SC recommendations will be clearly communicated at each meeting so a solution can be sought.
9. Outstanding issues or concerns of SC members will be brought to the SC first. Members will not communicate their concerns and issues outside of the committee without first bringing them to the SC.
10. Every member is responsible for communicating their position on issues under consideration. It is incumbent upon each member to state the interests of the organization or group they represent. Voicing these interests is essential to enable meaningful dialogue and full consideration of issues by the SC. If a SC member does not attend a SC meeting or communicate their viewpoint on an issue, it is assumed that they agree with decisions and recommendations made by the SC. If a member's interest is conveyed to another member or staff outside of a meeting, the source of that comment will be clearly conveyed to the SC.

C. Operational Functions

1. The SC will develop and maintain a calendar of all scheduled meetings for the both the SC and the PAC, to the extent possible. If a meeting needs to be rescheduled, the SC will coordinate and make every attempt to select a date when a majority of the SC members can attend.
2. SC meetings will be scheduled approximately every one to two months on the fourth Thursday of the meeting month. Each meeting is anticipated to require two hours, to begin

Steering Committee Roles & Responsibilities

- at the consistent time of 3:00 P.M. The meetings will be held at the City of Modesto City Offices unless an alternate location(s) preferred by SC members is selected.
3. The Steering Committee provides notice of all meeting types by posting the agenda, notices, and minutes on the East Stanislaus IRWM planning website (to be developed), as well as a posting on a public announcement board and direct mailings to a mailing list of interested stakeholders. The Steering Committee ensures the meetings notices are posted with ample time for the public to participate in the meetings.
 4. If a member cannot make a scheduled SC meeting, that person shall designate an alternate to attend and represent him or her at that meeting (see Alternates and Observers section.) For continuity, members will minimize their use of alternates to attend and each time an alternate is required, it should be the same individual. The SC member is responsible for briefing the alternate on substantive issues and procedures of the committee. If an alternate is not designated, the SC member should, whenever possible, communicate his or her comments orally or in writing directly to the designated individual(s). SC members also can contact the designated individual(s) at any time to discuss their concerns and needs related to this dialogue.
 5. If more than two consecutive SC meetings are missed by a member, the SC members may determine that, in the best interest of the East Stanislaus IRWM planning process, the member should be replaced.
 6. All written materials to be discussed at the SC meetings will be mailed 10 days before the meeting date. Materials must be reviewed by members prior to the meeting in an effort to maximize time for constructive discussion. SC members will be selected/volunteer to coordinate these aspects of the group.
 7. SC members (as a whole or as designated individual(s)) will prepare a list of the key issues, recommendations, and action items based on discussions and results of SC meetings. These summaries will be submitted to the SC members prior to the next meeting.

D. Decision Process

1. This SC has been established to guide the IRWM planning and implementation process and to ensure a collaborative, consensus-based IRWM Plan is developed and implemented for the East Stanislaus Region. Although consensus (when all members are in full or substantial agreement) is the goal, a majority opinion on key recommendations may be necessary. The decision-making goal is to have all SC members agree on the item at hand, with no member objecting to a decision or an agreement.
2. If, after a thorough discussion, full or substantial agreement is not reached, then a vote will be taken. SC members can vote “yes”, “neutral” (not optimal, but comfortable with the decision), or “no” (active opposition to a particular decision). If a majority of attending members register a “no” vote, then the proposal is not advanced as an agreed upon SC recommendation.
3. The SC’s final agreement on the East Stanislaus IRWM Plan is expected to take the form of a written statement, signed by the SC members and included in the final plan.

Steering Committee Roles & Responsibilities

4. As part of the process of making decisions and developing recommendations, members are encouraged to brainstorm and think creatively. Members are encouraged to put forward tentative proposals for consideration which may later be withdrawn.
5. Preconceived conclusions on issues under discussion by the SC should be avoided to facilitate an objective result.

D. Development of Work Products

1. The SC will help develop and support the East Stanislaus IRWM Plan. To ensure an efficient and productive use of SC member time and to be able to achieve the highest quality products, designated SC members, consultants, and/or PAC working groups will develop draft work products for review and comment by all SC and PAC members. Members will offer specific advice about various components of the overall approach and specific tasks in progress. All comments from the PAC will be directed to the SC for further discussion and consideration.
2. SC member comments on written documents under consideration should be made on the actual documents so they can be easily understood and integrated into the revised text of a document. It is understood that the SC's primary goal for written products is to agree on substantive policies, principles, and recommendations and not to debate the detailed wording of documents.
3. As SC members discuss and make decisions on issues, methodologies and work products, the document preparers will assist SC members by drafting language that reflects the viewpoints of the group. Draft statements or edits to work products that are prepared in this manner will then be circulated for review by all SC members. The final version of the work product or statement of decisions will be presented at the next SC meeting for agreement.
4. Members are asked to provide pertinent information for items under discussion at all meetings. This means that members have an obligation to share any specific information, including possible or pending decisions within or by the organizations they represent, as well as information in the form of reports, memos, and studies which may affect the discussions and recommendations by the members. Tentative or sensitive information will be treated as such.

E. Alternates and Observers

1. SC alternates shall be designated for the life of the East Stanislaus IRWM process to provide continuity; they will be provided meeting materials prior to each meeting at the same time as the designated SC members.
2. When not representing the SC members, alternates may sit with SC members during the meeting when seating is available. SC members have priority seating.
3. SC meetings are open to the general public and directly engage the public, as needed, such as times when public input is solicited for on deliverables. During the public meetings,

Steering Committee Roles & Responsibilities

- observers and the general public can provide comments if 1) time allows, 2) it is constructive, and 3) it is kept to a minimal amount of time.
4. Observers, including representatives of the media, are welcome to attend SC meetings that are open to the public during times when public input is solicited. Media are requested to identify themselves to the facilitators prior to the start of each meeting. Facilitators will provide a copy of this guidance document to observers, if necessary.

F. Media Contact

1. If approached by the media, members of the SC will be careful to present only their own views and not those of other members on the SC. Members are encouraged to suggest that media representatives contact other SC members who may have different points of view.
2. While the SC is studying, discussing, or evaluating issues, members will not initiate media contact or make public statements except as mutually agreed by the members. No statements prejudging outcomes will be made to the media. Violation of this will result in the member being removed from the SC.
3. If it so desires, the SC may form a media working group, representing all interests serving on the SC, to jointly draft periodic press releases to accurately convey the proceedings of the SC to the media. These press releases will then be coordinated and released by the designated individual(s), with their professional input. If consensus is reached on items to release to the media, a SC spokesperson will be appointed to highlight only those issues agreed upon by the entire SC.

G. Amendments

The initial version of these SC Roles and Responsibilities will be implemented after discussion and acceptance at the first SC meeting. Amendments to these guidelines will be made upon the consensus approval, or if necessary, majority approval of the SC present at any given regularly scheduled meeting.

Appendix D



**East Stanislaus IRWM
Public Advisory Committee Members
(2012-2013)**

Name	Affiliation	Contact Info
Garner Reynolds	City of Newman	greynolds@cityofnewman.com
Felipe Casas	DAC representative	felipec@selfhelpenterprises.org
Laura Jensen	The Nature Conservancy	Laura_Jensen@TNC.org
Mike Willett	Turlock citizen	MWillett@ci.patterson.ca.us
Patrick Koepele	Tuolumne River Trust	Patrick@tuolumne.org
Daniel Padilla	Ceres area citizen	dpadilla@cenvaleng.co padillaengineering@yahoo.com
Julie Rentner	River Partners	jrentner@riverpartners.org
Jason Preece	California Department of Water Resources	jpreece@water.ca.gov

East Stanislaus Integrated Regional Water Management Planning Region

Public Advisory Committee Roles & Responsibilities

Introduction

The March 16, 2011 East Stanislaus Integrated Regional Water Management (IRWM) planning kickoff meeting provided an opportunity for persons and entities interested in participating in the Public Advisory Committee (PAC) to sign-up and commit to serving as a member of the PAC. The purpose of the PAC is to represent a diverse set of East Stanislaus IRWM Planning Region stakeholder interests in a central and guiding role in developing the East Stanislaus IRWM Plan. In that role, the PAC will provide input on various aspects of the IRWM planning process and related work products, and provide input and recommendations to the East Stanislaus Regional Water Management Partnership (ESRWMP) and the Steering Committee (SC). Consensus will be sought on all PAC-reviewed work products and decisions. The PAC is the first tier of decision-making in the ESIRWM region's governance structure, and provides recommendations for developing project prioritization methodologies to the SC, helps screen and rank projects, contributes to methodology for inclusion of projects in grant applications, provides direct public communication and seeks public feedback and input, and conducts other actions as directed. Members of the PAC are expected to represent the views of their organization or interest group within the community, commit time to take part in the process, and work collaboratively with other members, project staff (e.g., project manager, project consultants), the general public as they participate, and the ESRWMP and SC. The PAC receives direction and tasks to complete from the SC.

Participants in the PAC can include local residents, industry, community leaders/representatives, public agencies, community organizations, key watershed stakeholders, local college students, and representatives of disadvantaged communities and tribal communities. PAC members will provide input about various aspects of East Stanislaus Regional water and environmental resources. Member opinions, recommendations, and other contributions will be important factors in the success of IRWM planning within the Region.

To help the PAC run smoothly and be successful, Roles and Responsibilities are outlined herein and will be agreed upon by the members. The Roles and Responsibilities will govern the way in which the PAC makes decisions and provides input to the IRWM planning process. The Roles and Responsibilities address the following:

- Guidance for communication
- Attendance expectations
- Participation during meetings
- Confidentiality of discussion items
- Information sharing

- Decision-making
- Work product review and development
- Media contact
- Amendments to Roles and Responsibilities

A. Representation and Participation

The PAC members will be asked and encouraged to participate as follows.

- Designate one representative, and if appropriate one alternate, to serve on the PAC
- Attend and participate in PAC meetings
- Come prepared to the PAC meetings by reviewing work products and discussion items prior to the meeting
- When appropriate, specifically represent the interests and needs of any Disadvantaged Community (DAC) lying within the PAC member's jurisdiction
- Review and provide timely comments on draft work products
- Adopt, or provide written support for, the East Stanislaus IRWM Plan

Some of these actions are discussed further in the following sections.

1. The goal of the PAC is to have stakeholders and the general public engaged in discussion related to the IRWM planning process and to reach consensus on East Stanislaus IRWM Plan content and recommendations. Straw votes may be taken from time to time to gauge the level of agreement on specific issues. Efforts should be made to accommodate the concerns of all parties.
2. The PAC is expected to provide comments, support and constructive criticism on the IRWM planning process and work items. As often as possible, project staff will incorporate or otherwise reflect the comments and recommendations of the PAC members into East Stanislaus Region work products. If the comments and recommendations of the members are not consistent with the ESRWMP's expectations, discussions will be held at the PAC meetings to fully explain positions.
3. PAC members should be aware of the budget and schedule constraints that drive the project and be comfortable in working within these constraints.
4. With the PAC's consent, new committee members may be added to the PAC after the first meeting is held.
5. Any current member may terminate membership upon submittal of thirty (30) days written notice to the PAC. Upon termination, the former member shall have no obligation to participate in the PAC. With the PAC's consent, a terminating member who wishes to maintain his or her organization's presence on the PAC may be replaced.
6. PAC membership is completely voluntary and is not a paid (money or in-kind) position.
7. Members will be asked to abide by the following procedures to cultivate a venue for constructive discourse.
 - Allow one person speak at a time.
 - Treat one another with respect and common courtesy.

- Be honest, fair, and as candid as possible.
 - Respect time constraints and be succinct.
 - Civility is required.
 - The personal integrity and values of each member will be respected by other members, including the avoidance of personal attacks and stereotyping.
 - The motivations and intentions of members will not be assumed nor criticized.
 - Come with an open mind and respect for other's interests and differing opinions.
 - Think outside the box and welcome new ideas.
 - Commitments will be kept.
 - Delay will not be employed as a tactic to avoid an undesired result.
 - Disagreements will be regarded as problems to be solved rather than as battles to be won.
8. Every member will check back with their respective entity and will keep them informed of the ongoing PAC process and actions. Input from senior staff and/or governing boards of the PAC members will be communicated back to the PAC at its next meeting. Any dissension from the respective organizations' decision-making bodies that could affect acceptance of PAC recommendations will be clearly communicated at each meeting so a solution can be sought.
 9. Outstanding issues or concerns of PAC members will be brought to the PAC first. Members will not communicate their concerns and issues outside of the committee without first bringing them to the PAC.
 10. Every member is responsible for communicating their position on issues under consideration. It is incumbent upon each member to state the interests of the organization or group they represent. Voicing these interests is essential to enable meaningful dialogue and full consideration of issues by the PAC. If a PAC member does not attend a PAC meeting or communicate their viewpoint on an issue, it is assumed that they agree with decisions and recommendations made by the PAC. If a member's interest is conveyed to another member or project staff outside of a meeting, the source of that comment will be clearly conveyed to the PAC.

B. Operational Functions

1. The SC will develop a calendar of all scheduled meetings for the PAC, to the extent possible. If a meeting needs to be rescheduled, the SC will coordinate and make every attempt to select a date when a majority of the PAC members can attend.
2. PAC meetings will be scheduled approximately every two to three months on the 4th Thursday of the meeting month. Each meeting is anticipated to require two hours, to begin at the consistent time of 6 PM. The meetings will be held at various locations, to be determined prior to the meeting date, at a location(s) preferred by PAC members is selected.
3. If a member cannot make a scheduled PAC meeting, that person can designate an alternate to attend and represent him or her at that meeting (see Alternates and Observers section.)

- For continuity, members will minimize their use of alternates to attend and each time an alternate is required, it should be the same individual. The PAC member will notify the East Stanislaus project staff in advance. The PAC member is responsible for briefing the alternate on substantive issues and procedures of the committee. If an alternate is not designated, the PAC member should, whenever possible, communicate his or her comments orally or in writing directly to the project staff. PAC members also can contact the project staff at any time to discuss their concerns and needs related to this dialogue.
4. If more than two consecutive PAC meetings are missed by a member, project staff may determine that, in the best interest of the East Stanislaus IRWM planning process, the member should be replaced.
 5. The PAC, with the assistance of project staff, may select members or non-PAC public to serve in smaller technical working groups to address specific topics or issues being considered by the PAC. Working groups will present their work to the PAC for its consideration. The working groups under the direction of the PAC will have the same procedures and guidelines as the PAC.
 6. All written materials to be discussed at the PAC meetings will be mailed 10 days before the meeting date. Materials must be reviewed by members prior to the meeting in an effort to maximize time for constructive discussion.
 7. The project staff will prepare a list of the key issues, recommendations, and action items based on discussions and results of PAC meetings. These summaries will be submitted to the PAC members prior to the next meeting.

C. Decision Process

1. This PAC has been established to allow stakeholders to contribute their knowledge and opinions to the overall East Stanislaus IRWM planning process. Although consensus (when all members are in full or substantial agreement) is the goal, a majority opinion on key recommendations may be necessary. The decision-making goal is to have all PAC members agree on the item at hand, with no member objecting to a decision or an agreement.
2. If, after a thorough discussion, full or substantial agreement is not reached, then a vote will be taken. PAC members can vote “yes”, “neutral” (not optimal, but comfortable with the decision), or “no” (active opposition to a particular decision). If a majority of attending members register a “no” vote, then the proposal is not advanced as an agreed upon PAC recommendation. Since this is an advisory committee, the need for a vote would be an unusual occasion and would simply reflect how the majority of the PAC feels about an issue. If the ESRWMP feels strongly about support for a recommendation, it will move forward with a clear delineation of majority and minority viewpoints, and the reasons why such differences continue and how the PAC will continue to move forward despite these differences will be documented. Inclusion of such a description of remaining areas of disagreement in the meeting summary notes is consistent with support for the plan as a whole.
3. Technical working groups established by the PAC will develop recommendations or proposals for PAC consideration. Working groups will not have decision-making authority.

Decisions on whether to incorporate the working group recommendations into the PAC recommendations will be made by majority approval among the PAC members.

4. The PAC's final agreement on the East Stanislaus IRWM Plan is expected to take the form of a written statement, signed by the PAC members and included in the final plan.
5. As part of the process of making decisions and developing recommendations, members are encouraged to brainstorm and think creatively. Members are encouraged to put forward tentative proposals for consideration which may later be withdrawn.
6. Preconceived conclusions on issues under discussion by the PAC should be avoided to facilitate an objective result.

D. Development of Work Products

1. The PAC will help support the East Stanislaus IRWM Plan development and provide input to the SC throughout the planning process. To ensure an efficient and productive use of PAC member time, and to be able to achieve the highest quality products, project staff will develop draft work products for review and comment by PAC members. Members will offer specific advice about various components of the overall approach and specific tasks in progress. All comments will be directed to the SC for further discussion and consideration.
2. PAC member comments on written documents under consideration should be made on the actual documents and submitted to project staff so they can be easily understood and integrated into the revised text of a document. It is understood that the PAC's primary goal for written products is to agree on substantive policies, principles, and recommendations and not to debate the detailed wording of documents.
3. As PAC members discuss and make decisions on issues, methodologies and work products, the project staff will assist PAC members by drafting language that reflects the viewpoints of the group. Draft statements or edits to work products that are prepared in this manner will then be circulated for review by all PAC members. The final version of the work product or statement of decisions will be presented at the next PAC meeting for agreement.
4. Members are asked to provide pertinent information for items under discussion at all meetings. This means that members have an obligation to share any specific information, including possible or pending decisions within or by the organizations they represent, as well as information in the form of reports, memos, and studies which may affect the discussions and recommendations by the members. Tentative or sensitive information will be treated as such.

E. Alternates and Observers

1. PAC alternates designated as such for the life of the East Stanislaus IRWM planning and implementation process will be provided meeting materials prior to each meeting at the same time as the designated PAC members.
2. When not representing the PAC members, alternates may sit with PAC members during the meeting when seating is available. PAC members have priority seating.
3. ESRWMP and SC members may attend PAC meetings as they wish.

4. Observers, including representatives of the media, are welcome to attend PAC meetings, and are requested to identify themselves to the facilitators prior to the start of each meeting. Facilitators will provide a copy of this guidance document to observers, if necessary.
5. Observers and the general public can attend any and all PAC meetings and provide comment on any item, whether it is included on the meeting agenda or not, if 1) time allows, 2) is constructive, 3) kept to a minimal amount of time.

F. Media Contact

1. If approached by the media, members of the PAC will be careful to present only their own views and not those of other members on the PAC. Members are encouraged to suggest that media representatives contact other PAC members who may have different points of view.
2. While the PAC is studying, discussing, or evaluating issues, members will not initiate media contact or make public statements except as mutually agreed by the members. No statements prejudging outcomes will be made to the media. Violation of this will result in the member being removed from the PAC.
3. If it so desires, the PAC may form a media working group, representing all interests serving on the PAC, to jointly draft periodic press releases to accurately convey the proceedings of the PAC to the media. These press releases will then be coordinated and released by the project staff, with their professional input. If consensus is reached on items to release to the media, a PAC spokesperson will be appointed to highlight only those issues agreed upon by the entire PAC.

G. Amendments

The initial version of these PAC Roles and Responsibilities will be implemented after discussion and acceptance at the first PAC meeting. Amendments to these guidelines will be made upon the consensus approval, or if necessary, majority approval of the PAC present at any given regularly scheduled meeting.

Appendix E



East Stanislaus Integrated Regional Water Management Planning Region

Outreach and Communications Plan

1 Background

The purpose of this Stakeholder Outreach and Communications Plan is to specify the identified methodology and approach to ensuring the timely dissemination of information associated with preparation and implementation of an Integrated Regional Water Management (IRWM) Plan for the East Stanislaus IRWM Region. Specific focus is placed on outreach to disadvantaged communities (DACs), environmental justice (EJ) representatives, Native American tribes, and conservation organizations.

Beginning in July 2010, the four cities that will comprise the East Stanislaus Regional Water Management Partnership (ESRWMP), the cities of Modesto, Ceres, Turlock and Hughson, began coordinating to develop an IRWM Region and to begin the IRWM planning process that will ultimately result in an IRWM Plan for the East Stanislaus Region. The cities that will comprise the ESRWMP are currently in the process of executing the Memorandum of Understanding (MOU) for Integrated Regional Water Management Planning.

The ESRWMP understands the importance of engaging stakeholders and the general public throughout the water management planning and IRWM process and therefore provides various avenues for participation. This Stakeholder Outreach and Communications Plan will guide stakeholder outreach throughout the East Stanislaus IRWM planning and implementation process and will work to facilitate relationship building by promoting the active participation of local stakeholders through the entire process.

2 Outreach Goals and Objectives

The goal of the Stakeholder Outreach and Communications Plan is to ensure that the public is both aware of and a part of the integrated regional water management planning and implementation process in the East Stanislaus Region in order to develop a collaborative water management portfolio prioritized on the regional goals and objectives. The objectives of the Outreach Plan include, but are not limited to:

- Fostering coordination, collaboration, and communication among regional and local agencies responsible for water-related issues to achieve greater efficiencies, and to build public support for vital projects.
- Sharing findings and solicit community comments on draft project work products.

- Responding quickly and effectively to any questions or concerns that may arise during the IRWM planning process.
- Involving key stakeholders which represent most, if not all, East Stanislaus IRWM Region key interests and secure their support of the process with well-balanced representation and commitment.
- Sustaining Public Advisory Committee and Steering Committee member participation and level of effort through project completion.
- Establishing contacts within local organizations that can assist in broadening outreach efforts by communicating IRWM planning efforts and encouraging participation within their group.

3 Key Messages

To help the public and stakeholders understand the need for IRWM planning within the East Stanislaus Region, the ESRWMP has identified the key messages defining why an IRWM Plan is necessary and reasons for the associated collaboration among stakeholders.

1. The purpose of the East Stanislaus IRWM planning process is to develop an IRWM Plan outlining shared conflicts and issues, and to identify projects that will address these issues; by developing an IRWM Plan, the solutions will have multi-benefits and beneficiaries.
2. The East Stanislaus IRWM Plan will enable the Region to compete for future rounds of available funding through Propositions 84 and/or 1E and from future funding initiatives. Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, authorized Legislature to appropriate \$1 billion for IRWM projects that assist local public agencies in meeting long-term water needs. Proposition 1E, the Disaster Preparedness and Flood Prevention Bond Act of 2006, authorized Legislature to appropriate \$300 million for grants for stormwater flood management projects.
3. Cooperation and coordination among regional stakeholders, as well as input and comments from stakeholders, will help maximize the benefits realized within the East Stanislaus Region and ensure an IRWM Plan developed on a consensus-based approach is prepared.

These key messages will continue to be emphasized at all meetings, but especially highlighted at the initial public meeting on March 16, 2011. In addition, the key messages will be emphasized in press releases, media interviews, and project collateral pieces. The ESRWMP understands that individual stakeholders' concerns, interests, comments and suggestions will differ.

4 Stakeholder Involvement and Outreach

4.1 Overview

In order to engage stakeholders, including disadvantaged and tribal communities, the East Stanislaus Region conducts various meetings that are open to the public. The ESRWMP will conduct an initial

workshop on March 16, 2011 to announce the creation of the East Stanislaus Region and the IRWM planning process within the Region. At this meeting, contact information of all meeting attendees will be compiled and a stakeholder list will be created. The stakeholder contact list will continually be updated as new persons, entities, and organizations express interest in the IRWM planning process. The most recent version of this stakeholder list is included in Appendix A.

In addition to providing general information about the IRWM planning process, a call for applications for participation on the Public Advisory Committee (PAC) will be conducted in which stakeholders who want to become a member of the PAC can voice their interest in doing so, understanding that they will attend regularly scheduled meetings and are committing to a designated person or alternate in attendance. The PAC serves as one venue for conveying stakeholders input, comments, interests and ideas to the planning process.

The public outreach process for the East Stanislaus Region provides stakeholders with two options for involvement: (1) general public participation at the ESRWMP, Steering Committee, and PAC meetings, and (2) involvement through participation as a member of the PAC. This format ensures both a balanced and diverse collection of stakeholders due to the flexibility in the level of commitment and involvement for those interested.

The following methods are used to not only disseminate information to stakeholders, disadvantaged and tribal communities and the general public, but to allow stakeholders and the public to provide input, ask questions, and participate in the planning process and IRWM Plan development process:

- ESRWMP, Steering Committee, and PAC meetings
- East Stanislaus IRWM planning website (to be launched in October 2011)
- Handouts, newsletters, advertisements, press releases or special events

The methods for public involvement are discussed in more detail in the following sections.

4.2 Public Outreach

In order to make the public both aware of and a part of the regional water management planning and IRWM planning efforts within the Region, various methods will be applied to reach a varied audience. Public workshops will be conducted to introduce the IRWM process and, as needed, to update the public at key junctures in the regional water management process and to allow for public input. The ESRWMP will conduct meetings for themselves, the Steering Committee, and the Public Advisory Committee. The public will be allowed to attend Steering Committee and Public Advisory Committee meetings and provide comments on both agendized and non-agendized items. The public may also attend open sessions of ESRWMP meetings to provide comments on agendized items only (similar to the way City Council meetings are conducted). The Steering Committee provides notice of all meeting types by posting the agenda, notices, and minutes on the East Stanislaus IRWM planning website (to be launched in October 2011), as well as a posting on a public announcement board and direct mailings to a mailing list of interested stakeholders. The Steering Committee ensures the meetings notices are posted with ample time for the public to participate in the meetings. Additionally, as documents are developed and

public review is solicited, copies are placed in public libraries for public access and on the Region's website.

Other mechanisms used to ensure public awareness of the East Stanislaus IRWM process include the development and distribution of brochures, fact sheets, IRWM process status newsletters, and brief updates. Hard copies are available at meetings and electronic copies are sent to the email distribution list and posted on the Region's website.

The East Stanislaus Region has developed a Region-specific website and plans to launch the website in October 2011. The ESRWMP members will include a link to the regional website on their respective websites. The brochures, handouts and other documents developed as part of the IRWM process will also be made available on the website for others to view.

4.3 Public Input

There are multiple ways for public to gain access to the ESRWMP and the overall IRWM process. The ESRWMP makes information available to the general public, including the status of the IRWM process and upcoming decisions to be made, through the handouts and website. If a member of the general public or a stakeholder has questions and comments, they are directed to a designated contact. At present, the designated contact is Jim Alves at the City of Modesto at the 209-571-5557.

The public can provide input to the ESRWMP by attending the meetings, calling the provided contact, or emailing the contact with comments and questions. The designated contact discusses the questions and comments received with the Steering Committee, who takes the public input into consideration and responds to each call or email, as appropriate. If the ESRWMP receives public comment directly, they provide the comments/input to the Steering Committee to consider and respond to as appropriate.

In order to address the diversity of water management issues, geographical representation and stakeholder interests within the East Stanislaus Region, the ESRWMP has identified and directly invited the following key parties to participate in meetings, committees and subcommittees:

- Modesto, Oakdale and Turlock Irrigation Districts
- the Cities of Riverbank, Waterford and Oakdale
- the Communities of Keyes, Denair, Del Rio, Westley, Riverbank Monterey Park, Knight's Ferry, Crows Landing, Grayson, Hickman, Empire and Riverdale
- Stanislaus County
- The Stanislaus County Farm Bureau,
- Friends of the Tuolumne River
- Gomes Lake
- Salida Sanitary Sewer District

Additionally, the ESRWMP plans to partner with local colleges, such as Modesto Junior College, California State University-Stanislaus, Humphreys College, and San Joaquin Valley College, to encourage participation from younger participants between the ages of 18 and 25. There is also the potential to

combine participation in meetings with classes and/or class projects and studies. By performing specific outreach to local colleges, a wide range of ideas can be accessed.

4.4 Committees

Steering Committee

The purpose of the Steering Committee (SC) is to lead the East Stanislaus Integrated Regional Water Management (IRWM) planning and implementation process with direction from and in coordination with the ESRWMP. The Steering Committee leads preparation and implementation of the IRWM Plan and future updates of the Plan. Representatives of the SC are generally those that are actively managing projects. Responsibilities of the SC include:

- Manage contracts, information/databases, reporting
- Manage the IRWM Plan development and implementation
- Provide guidance to consultants and manage contracts
- Manage budgets and schedule
- Coordinate with the Public Advisory Committee
- Present unresolved issues/work tasks to the Public Advisory Committee
- Generally manage the work
- Coordinate and implement the public outreach process
- Manage the East Stanislaus IRWMP website
- Ensure meetings are announced and posted in advance
- Coordinate distribution and posting of materials
- Manage the Public Advisory Committee meetings
- Convey Public Advisory Committee's recommendations to the ESRWMP

SC meetings are open to the general public and directly engage the public, as needed, such as times when public input is solicited on deliverables. During the public meetings, stakeholders can provide comments on agenda items and non-agenda items. An anticipated schedule of SC and PAC meetings are included in Appendix B.

Public Advisory Committee

As previously mentioned, at the March 16, 2011 East Stanislaus IRWM kickoff meeting, persons and entities interested in participating in the Public Advisory Committee (PAC) were invited to sign-up for participation on the committee. The purpose of the PAC is to represent a diverse set of East Stanislaus Region stakeholder interests and have a central and guiding role in developing and implementing the East Stanislaus IRWM Plan. The PAC will provide input on various aspects of the IRWM planning process and related work products; consensus will be sought on all PAC-reviewed work products. Whenever consensus cannot be reached, the IRWM Plan will reflect the opinion of the majority of PAC members

Outreach and Communications Plan

with minority opinions documented in the meeting minutes. The PAC members will be asked and encouraged to participate as follows.

- Designate one representative, and if appropriate one alternate, to serve on the PAC
- Attend and participate in PAC meetings
- When appropriate, specifically represent the interests and needs of any Disadvantaged Community located within the PAC member's jurisdiction
- Review and provide timely comments on draft work products
- Adopt, or provide written support for, the East Stanislaus IRWM Plan

To help the PAC run smoothly and be successful, Roles and Responsibilities will be outlined and agreed upon by the members. The Roles and Responsibilities will govern the way in which the PAC makes decisions and provides input to the IRWM planning process. The Roles and Responsibilities will address the following:

- Guidelines for communication
- Attendance expectations
- Participation during meetings
- Confidentiality of discussion items
- Information sharing
- Decision-making
- Work product review and development
- Media contact
- Amendments to Roles and Responsibilities

5 Disadvantaged Communities Outreach

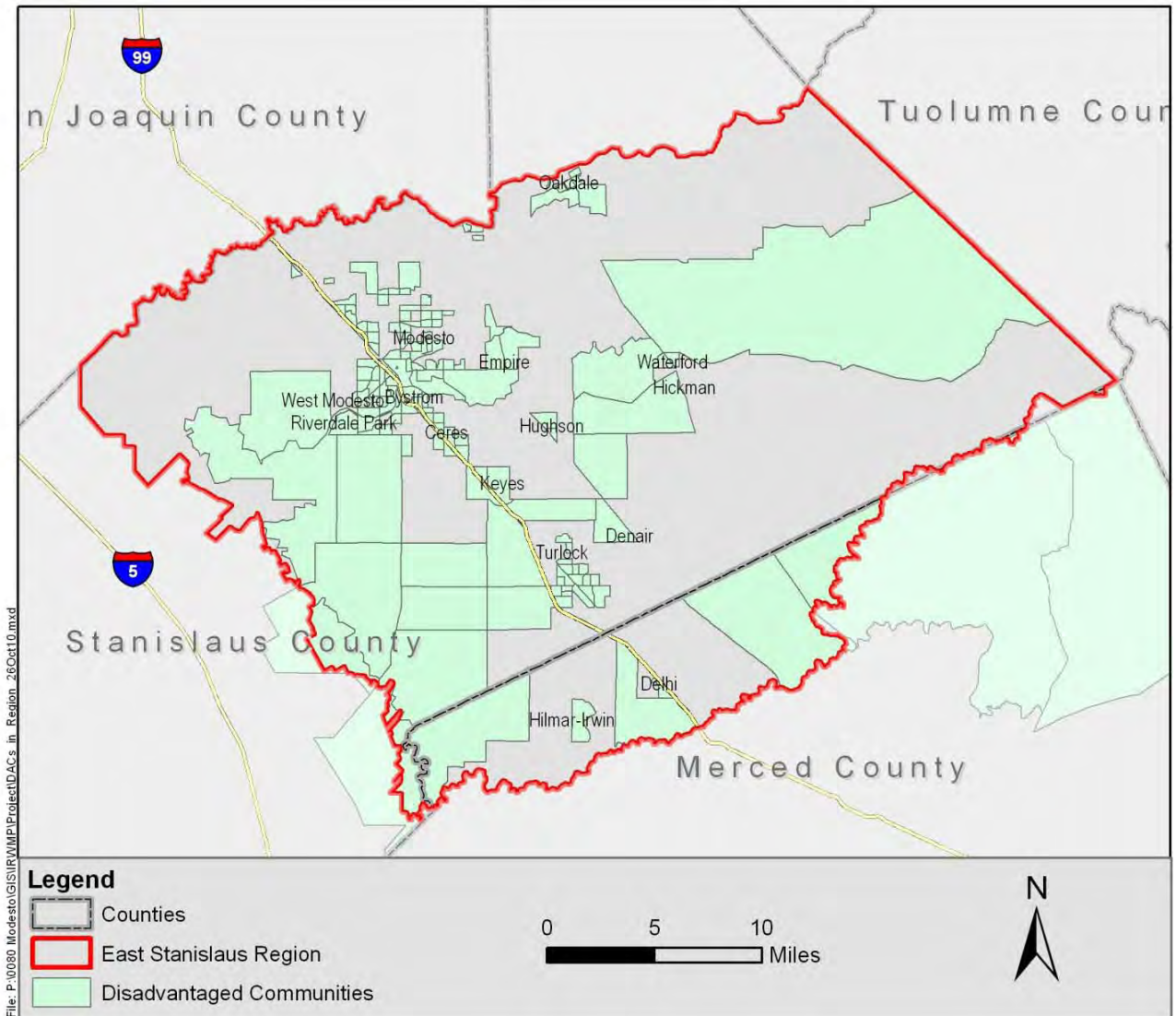
A Disadvantaged Community (DAC), according to the State of California (CA Water Code, Section 79505.5(a)), is a community with a Median Household Income (MHI) less than 80 percent of the California statewide household income. According to 2000 U.S. Census data, the most recent, accurate Census data available, a number of DACs exist within the East Stanislaus Region. The California statewide MHI was \$47,493, thus communities with an average MHI of \$37,994 or less are considered DACs. Within the East Stanislaus Region, the communities of Hickman, Keyes, Bret Harte, Bystrom, Empire, Shackelford, West Modesto, Riverdale Park, and portions of Modesto, Turlock, Denair and Ceres are DACs. Involvement and participation by representatives of these communities during the East Stanislaus IRWM planning process will be solicited and encouraged will help understand the issues confronted by disadvantaged communities and better address the needs of minority and/or low-income communities. Objectives of specific outreach to DACs include:

- Solicit involvement by individual representatives from DACs within the East Stanislaus Region and encourage participation by those representatives as members of the PAC.

Outreach and Communications Plan

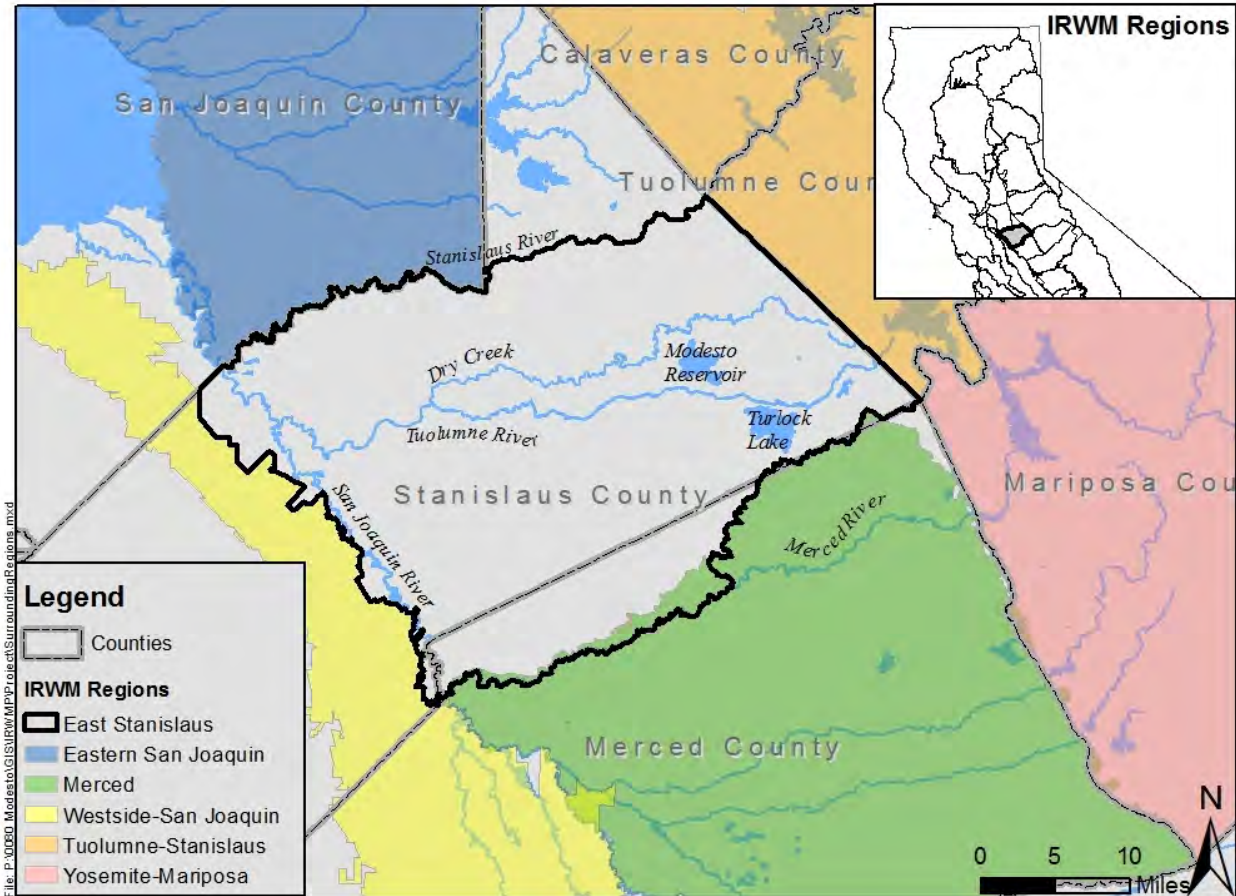
- For DACs which do not have designated community representatives on the PAC, encourage other PAC members to specifically advocate and represent the interests of those DACs which may lie within a PAC member's jurisdiction or area of special interest.
- Inform representatives and residents of DACs via flyers and newspaper notices about opportunities to get involved with the East Stanislaus IRWM planning process and participate in development, integration, and prioritization of projects.

The following shows the locations of the DACs within the East Stanislaus Region.



6 Inter-Regional Coordination

The East Stanislaus region borders the Eastern San Joaquin, Westside-San Joaquin, Yosemite-Mariposa, and Tuolumne-Stanislaus regions and has a slight overlap with the Merced region as depicted in the following figure.



The East Stanislaus Region was developed to fill in the obvious void in IRWM coverage in the Central Valley. When determining the boundaries for the Region, however, natural water boundaries were also important so that the Region would make sense from a watershed perspective, given the region’s use of surface water as part of its supply and distinct features. This criterion resulted in a triangular area in the north-eastern portion of Stanislaus County being uncovered by the East Stanislaus Region. It is not in the Modesto groundwater basin, which was used to determine the northern boundary and its surface water drains into the East San Joaquin Region. This area overlies the Eastern San Joaquin groundwater basin, an area mostly covered by the Eastern San Joaquin IRWM Region. The East Stanislaus Region plans to discuss the triangular gap with the Eastern San Joaquin Region to ensure that stakeholders in that area are not neglected.

The ESRWMP has an ongoing relationship with members of the Westside-San Joaquin region in which members of the ESRWMP have attended meetings with the Westside-San Joaquin Region and participated in the planning process.

Because development of the East Stanislaus Region is relatively new, relationships with other IRWM regions are in initial stages or have not yet materialized. The ESRWMP plans to discuss water management strategies that have or will be employed by each of the neighboring IRWM Regions to identify opportunities for inter-regional collaboration and to optimize management strategies. The ESRWMP has had contact with the Merced, Tuolumne-Stanislaus and Yosemite-Mariposa regions. The

Outreach and Communications Plan

Tuolumne-Stanislaus and East Stanislaus regions have discussed developing protocol for inter-regional coordination and communication; once these protocols are finalized, the Outreach and Communication Plan will be amended to include them as an appendix. Letters of Cooperation may also be developed with surrounding regions which will outline methods for communication and coordination. The surrounding regions have public meetings that representatives from the East Stanislaus region will attend periodically to stay up to date on the regions' progress. The anticipated meeting dates open to the public conducted by the surrounding regions are summarized in the following table.

Region	Website	Anticipated Meeting Schedule
Eastern San Joaquin	http://www.gbawater.org/IRWMP/IRWMP.html	2 nd Wednesday of the month
Tuolumne-Stanislaus	http://www.tudwater.com/project_development/integrated-regional-water-management-plan.htm	3 rd Wednesday of the month
Merced	http://www.mercedirwmp.org/	TBD
Yosemite-Mariposa	--	TBD
Westside-San Joaquin	--	TBD

Attachment A – Stakeholder List 14June2013

IRWMP Stakeholder Contact List

June 2013

Category / Stakeholder	Contact	Title	Phone No.	Email	Address
Regional Water Management Partnership Members					
City of Modesto	Rich Ulm	Interim Director of Utility Planning & Projects	209-577-5213	rulm@modestogov.com	Utility Planning and Projects Dept, 1010 Tenth St, Ste 4600, PO Box 642 Modesto, CA 95353
City of Modesto	Will Wong	Senior Civil Engineer	209-571-5801	wwong@modestogov.com	Utility Planning and Projects Dept, 1010 Tenth St, Ste 4600, PO Box 642 Modesto, CA 95354
City of Modesto	Jack Bond	Senior Civil Engineer	209-577-5424	jbond@modestogov.com	Utility Planning and Projects Dept, 1010 Tenth St, Ste 4600, PO Box 642 Modesto, CA 95353
City of Modesto	Jim Alves	Associate Civil Engineer	209-571-5557	jalves@modestogov.com	Utility Planning and Projects Dept, 1010 Tenth St, Ste 4600, PO Box 642 Modesto, CA 95354
City of Turlock	Dan Madden	Municipal Services Director	209-668-5599 x4401	dmadden@turlock.ca.us	156 S Broadway, Ste 270, Turlock, CA 95380
City of Turlock	Mike Cooke	Regulatory Affairs Manager	209-668-5599 x4418	mcooke@turlock.ca.us	156 S Broadway, Ste 270, Turlock, CA 95380
City of Turlock	Toni Cordell	Staff Services Technician	209-668-4474 x4474	tcordell@turlock.ca.us	156 S Broadway, Ste 270, Turlock, CA 95380
City of Ceres	Mike Brinton	Public Works Director	209-538-5748	Michael.Brinton@ci.ceres.ca.us	2220 Hackett, Ceres, CA 95307
City of Ceres	Toby Wells	City Engineer	209-538-5630	Toby.Wells@ci.ceres.ca.us	2220 Magnolia St, Ceres, CA 95307
City of Hughson	Thom Clark	Community Development Director	209-883-0811 ext 33	tclark@hughson.org	7018 Pine St. PO Box 9, Hughson, CA 95326
City of Hughson	Dominique Spinale	Management Analyst	209-883-4054	dspinale@hughson.org	7018 Pine St. PO Box 9, Hughson, CA 95326
Cities & Communities					
City of Patterson	Mike Willett	Public Works Director	209-895-8065	MWillett@ci.patterson.ca.us	1 Plaza Circle, Patterson, CA 95363
City of Newman	Garner Reynolds	Public Works Director	209-862-4448	greynolds@cityofnewman.com	1162 Main St. PO Box 787, Newman, CA 95360
City of Riverbank	J.D. Hightower	Development Services Director	209-863-7124	jhightower@riverbank.org	6707 Third St. Riverbank, CA 95367
City of Riverbank	Virginia Madueno	Mayor (NO LONGER MAYOR)	209-968-7052	vmadueno@riverbank.org	6707 Third St. Riverbank, CA 95367
City of Waterford	Tim Ogden	City Manager		togden@cityofwaterford.org	312 E Street, Waterford, CA 95386
City of Waterford	Matt Erickson	Public Works Director (primary contact)	209-874-2328	merickson@cityofwaterford.org	312 E Street, Waterford, CA 95386
City of Oakdale	Mike Brennan	Oakdale City Council		brennandesign@mac.com	455 South Fifth Ave, Oakdale, CA 95361
City of Oakdale	Mike Brennan	Oakdale City Council	209-847-1581	mbrennan@ci.oakdale.ca.us	455 South Fifth Ave, Oakdale, CA 95361
Community of Keyes	Rosemary Winter	Keyes Community Services District - Utility Foreman	209-668-8341	rwinter1950@yahoo.com	5061 7th Street, P.O. Box 699, Keyes, CA 95328
Keyes Community Services District	M Jones	Keyes Community Services District - Maintenance Foreman		mjones@keyescsd.org	5061 7th Street, P.O. Box 699, Keyes, CA 95328
Keyes Community Services District	Lee Fremming	District Engineer	209-723-2066	Lee.Fremming	2816 Park Avenue, Merced, CA 95348-3375
Keyes Community Services District	J Parker	Keyes CSD Board President		jparker@keyescsd.org	
Community of Denair	Dennis Findley	Denair Municipal Advisory council	209-669-8560		3850 N. Gratton Rd, P.O. Box 217, Denair CA 95316
Denair CSD	Gaylon Wade			gwade@denaircsd.org	
Community of Del Rio					
Community of Westley	Coleen Sanguinetti	Westly Community Services District	209-892-7953	coleen@gvni.com	PO Box 26, Crows Landing CA 95313
Community of Riverdale	Kelly Murphy	Riverdale Park Tract Community Services District	209-537-1214		PO Box 26, Modesto, CA 95358
Community of Monterey Park	Franisco Diaz	Monterey Park Tract Community Services District	209-499-1113	daiz@hotmail.com	PO Box 1301, Ceres, CA 95307
Community of Knight's Ferry	Christine Bonjour	Knights Ferry Community Services District	209-881-3300	atlascu@sbcglobal.net	PO Box 860, Oakdale, CA 95361-0860
Community of Crows Landing	Connie Payan	Crows Landing Community Services District	209-484-1096	connieepayan@gmail.com	PO box 537, Crows Landing, CA 95313
Disadvantaged Communities					
Community of Grayson	Connie Payan	Grayson Community Services District	209-484-1096	connieepayan@gmail.com	PO Box 158, Westly, CA 95387
Community of Hickman					
Community of Empire					
Community of Riverdale	Kelly Murphy	Riverdale Park Tract Community Services District	209-537-1214		PO Box 26, Modesto, CA 95358
Irrigation and Water Districts					
Turlock Irrigation District (alt)	?	Interim Assistant GM - Civil Engineering & Water Resources	209-883-8300		333 East Canal Dr. PO Box 949, Turlock, CA 95381
Turlock Irrigation District (prime)	Debbie Liebersbach	Water Planning Department Manager	209-883-8428	Debbie.Liebersbach	333 East Canal Dr. PO Box 949, Turlock, CA 95381-0949
Modesto Irrigation District	Walt Ward	Assistant GM - Water Operations	209-526-7459	walterw@mid.org	1231 Eleventh St. Modesto, CA 95354 or PO Box 4060, Modesto, CA 95352
Eastside Irrigation District	Al Rossini		209-874-3739	ewd@ibmj.com	
Eastside Irrigation District	Joe Marcotte?	Retired?		ibm@ibmj.com	
Oakdale Irrigation District	Steve Knell	General Manager	209-847-0341 x207	srknell@oakdaleirrigation.com	1205 East F Street, Oakdale, CA 95361
Merced Irrigation District	Tom Stephens	Water Resources Specialist	209-722-5761	tstephens@mercedid.org	744 W 20th St. Merced, CA 95340
Ballico-Cortez Water District	Victor Yamamoto?		209-634-1224		
Ballico Community Water Service District	Manuel Jimenez	Board President	209-648-6366	manuelj1976@yahoo.com	P.O. Box 255, Ballico, CA 95303
Delhi Water District	Stephany Perry			delhiwd@yahoo.com	
San Luis & Delta-Mendota Water Authority	Ara Azhderian	Water Policy Administrator	209-826-9696	ara.azhderian@sldmwa.org	
Hilmar Water District (hilmarwd@aol.com)	Dale Wickstrom	District Manager	209-632-3522	hilmarwd@aol.com	P.O. Box 1060, 8319 Landor Ave, Hilmar, CA 95324
Del Puerto Water District	Bill Harrison	General Manager	209-892-4470	wharrison@delpuertowd.org	P.O. Box 1596, Patterson, CA 95363
Counties					
Stanislaus County	Matt Machado	Stanislaus County Public Works Director	209-525-6550	machadom@stancounty.com	1716 Morgan Rd, Modesto CA 95358
Stanislaus County	Sonya Harrigfeld	Director of Environmental Resources	209-525-6770	sharigf@envres.org	3800 Cornucopia Way, Suite C, Modesto, CA 95358
Stanislaus County	Juan Gonzalez	Associate Planner, Community Development Department	209-525-6330	gonzalezi@stancounty.com	1010 Tenth Street, Suite 3400, Modesto, CA 95354
Stanislaus County	Dave Leemon?				
Merced County	Ron Rowe	Environmental Health Specialist	209-381-1097	rrowe@co.merced.ca.us	2222 M St. Merced, CA 95340
Others					
Stanislaus County Farm Bureau	Wayne Zipser	Executive Director	209-522-7278	WayneZ@stanfarmbureau.org	1201 L Street, Modesto, CA 9354 / P.O. Box 3070, Modesto, CA 95353
Stanislaus County Farm Bureau	Tom Orvis	Government Affairs Director	209-522-7278	tomo@stanfarmbureau.org	1201 L Street, Modesto, CA 9354 / P.O. Box 3070, Modesto, CA 95353
Friends of the Tuolumne	Allison Boucher			aboucher@bendbroadband.com	1900 NE 3rd Street, Ste 106, PMB 314, Bend, OR 97701
Turlock State Park					
Native American Tribe(s)					
Gomes Lake (Stanislaus County)	Matt Machado	Stanislaus County Public Works Director	209-525-6550	machadom@stancounty.com	1716 Morgan Rd, Modesto CA 95358
			209-236-0330		1022 14th Street, Modesto, CA 95354
Tuolumne River Trust	Patrick Koepele		209-588-8636	Patrick.Koepele	

IRWMP Stakeholder Contact List

June 2013

Nature Conservancy	Laura Jensen		916-642-8068 415-533-8167 (cell)	Laura_Jensen@TNC.org	
Nature Conservancy	Jeanne Brantigan			jbrantigan@TNC.ORG padillaengineering@yahoo.com	
River Partners (RD 2092, aka Dos Rios)	Julie Rentner	Regional Director - Central Valley	(209) 521-1700 ext 23	jrentner@riverpartners.org	912 11th Street, Suite LL2, Modesto, CA 95354
RD 2091 (aka Chase)	Wendel Trinkler				
RD 2063 (aka Crows Landing)	Joe Sallaberry				
RD 1602 (aka Del Puerto)	Dan Roberts				
RD 2100					
RD 2099					
RD 2101 (aka Blewett)	James Coddington				
RD 2031 (aka Elliot)	William Lyons, Jr				
RD 2102					
Local Government Commission	Laura Podolsky	Project Manager	916-448-1198 x311	lpodolsky@lgc.org	1303 J Street, Ste 250, Sacramento, CA 95814
Salida Sanitary Sewer District	Mike Gilton	District Manager	545-4987	mgilton@salidasanitary.net	P.O. Box 445, Salida, CA 95368
Empire Sanitary Sewer District	Don Hankins	District Clerk	522-3687 (office)	empiresanitary@sbcglobal.net	
CV-Salts Coalition	Daniel Cozad	Integrated Planning and Management, Inc	909-747-5240	dcozad@intpln.com	360 Lakeside Ave, Redlands, CA 92373
East Stanislaus Resources Conservation District	Chester Anderson	Watershed Coordinator, Middle San Joaquin Watershed	209-581-7558	esrcdwater@gmail.com Chester Anderson	3800 Cornucopia Way, Suite E, Modesto, CA 95358
Modesto citizen	Wayne Bridegroom			bridegroom@gmail.com	
MCDC Board Member	Denny Jackman	Modesto Community Development Corporation	209-343-4174	dennyj@clearwire.net	504 Laurel Avenue, Modesto, CA 95351
Modesto citizen	Jesse Roseman		510-220-6927	jessetroseman@gmail.com	
Self-Help Enterprises	Felipe Casas?	Community Development Specialist	559-802-1688	felipec@selfhelpenterprises.org	P.O. Box 6520, Visalia, CA 93290
Self-Help Enterprises	Eddie Ocampo			EddieO@selfhelpenterprises.org	
Neighboring IRWM Regions					
Merced	Hicham Eltal	MAGPI Chairman	209-722-5761	heltal@mercedid.org	P.O. Box 2288, Merced, CA 95344
Westside-San Joaquin	Ara Azhderian	Water policy Administrator (SLDMWA)	209-826-9696	ara.azhderian@sldmwa.org	
Tuolumne-Stanislaus	Pete Kampa	General Manager (Tuolumne Utilities District)	209-532-5536	pkampa@tuolumneutilities.com	
Tuolumne-Stanislaus	John Mills		209-532-0432	sixbit@sonnet.com	P.O. Box 1160, Columbia, CA 95310
Eastern San Joaquin	Mel Lytle	Water Resources Coordinator (San Joaquin County Public Works)	209-468-3089	mlytle@sigov.org	

Attachment B – SC and PAC Anticipated Meeting Schedules

STEERING COMMITTEE MEETING TOPICS

(Revised 16Nov2012)

SC Meeting No.	Estimated Date	Meeting Topic / Purpose
1	9/29/2011	<ul style="list-style-type: none"> • SC Roles & Responsibilities • East Stanislaus Region Goals & Objectives • Outreach Plan
2	10/27/2011	<ul style="list-style-type: none"> • East Stanislaus Region Goals & Objectives • Planning Grant Application • Project Solicitation & Prioritization
3	12/1/2011	<ul style="list-style-type: none"> • Project solicitation process
4	1/26/2012	<ul style="list-style-type: none"> • Project prioritization process
	2/23/2012 - call	<ul style="list-style-type: none"> • Planning Grant (optional meeting)
5	6/27/2012	<ul style="list-style-type: none"> • Climate change & vulnerability assessment; relation to local land use planning
Workshop	7/26/2012	<ul style="list-style-type: none"> • Projects submitted, integrated and prioritized
6	8/30/2012	<ul style="list-style-type: none"> • Report on prioritization results • Update on planning grant status
7	10/25/2012	<ul style="list-style-type: none"> • Impacts, benefits and financing • Revised project prioritization
8	1/10/2013	<ul style="list-style-type: none"> • Implementation plan: schedule, financing, environmental, integration • Monitoring plan to track East Stanislaus IRWMP performance • Data Management
9	2/28/2013	<ul style="list-style-type: none"> • Draft plan review
	By conference call – April 2013	<ul style="list-style-type: none"> • Final plan review
	May 2013 ^a	<ul style="list-style-type: none"> • Adopt IRWMP

a. For Implementation Grant, East Stanislaus IRWMP must be adopted by draft announcement of award (presently estimated to be August 2013).

PUBLIC ADVISORY COMMITTEE MEETING TOPICS

(Revised 16Nov2012)

PAC Workshop No.	Estimated Month, Year	Meeting Topic / Purpose
1	9/29/2011	<ul style="list-style-type: none"> • Integrated Regional Water Management Program process, schedule and goals • PAC Roles & Responsibilities • East Stanislaus Region Goals & Objectives
2	10/27/2011	<ul style="list-style-type: none"> • East Stanislaus Region Conflicts, Goals & Objectives • Project Solicitation Process • Introduction to Project Prioritization
3	12/1/2011	<ul style="list-style-type: none"> • Project Solicitation Process • Project Prioritization
Workshop	4/12/12	Public Workshop
4	6/27/2012	<ul style="list-style-type: none"> • Project Review, Integration and Prioritization
Workshop	7/26/12	Project Prioritization workshop
5	10/25/2012	<ul style="list-style-type: none"> • Report on prioritization results • Impacts and Benefits
7	1/10/2013	<ul style="list-style-type: none"> • Implementation Plan: schedule, financing, environmental, integration • Monitoring Plan to track East Stanislaus IRWMP performance • Data Management
8	2/28/2013	<ul style="list-style-type: none"> • Draft Plan Review
9	April 2013	<ul style="list-style-type: none"> • Individual endorsement of final plan

Appendix F



**NOTICE OF INTENT OF THE EAST STANISLAUS REGIONAL WATER
MANAGEMENT PARTNERSHIP TO PREPARE AN INTEGRATED REGIONAL
WATER MANAGEMENT PLAN**

NOTICE IS HEREBY GIVEN that the East Stanislaus Regional Water Management Partnership (ESRWMP) intends to prepare an Integrated Regional Water Management Plan (IRWMP) for the East Stanislaus IRWM Region. The IRWMP is being developed to encourage collaboration among participants to integrate regional strategies for management of water resources.

All interested persons are invited to attend the next Public Advisory Committee meeting scheduled for February 23, 2012 and provide comments regarding the preparation of the plan. Information related to the development of the IRWMP will be posted at the East Stanislaus IRWMP website: <http://www.eaststanirwm.org/>. If you have any questions, please call Jim Alves in the City of Modesto Capital Planning Group of the Utility Planning and Projects Department at (209) 571-5557 or (TDD) 526-9211, any weekday from 8:00 a.m. to 5:00 p.m.

**DECLARATION OF PUBLICATION
(C.C.P. S2015.5)**

**COUNTY OF STANISLAUS
STATE OF CALIFORNIA**

I am a citizen of the United States and a resident Of the County aforesaid; I am over the age of Eighteen years, and not a party to or interested In the above entitle matter. I am a printer and Principal clerk of the publisher of **THE MODESTO BEE**, printed in the City of **MODESTO**, County of **STANISLAUS**, State of California, daily, for which said newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of **STANISLAUS**, State of California, Under the date of **February 25, 1951, Action No. 46453**; that the notice of which the annexed is a printed copy, has been published in each issue there of on the following dates, to wit:

Dec 23, 2011

I certify (or declare) under penalty of perjury That the foregoing is true and correct and that This declaration was executed at

MODESTO, California on

December 23rd, 2011

(By Electronic Facsimile Signature)



**NOTICE OF INTENT OF THE EAST
STANISLAUS REGIONAL WATER
MANAGEMENT PARTNERSHIP TO
PREPARE AN INTEGRATED RE-
GIONAL WATER MANAGEMENT
PLAN**

NOTICE IS HEREBY GIVEN that the East Stanislaus Regional Water Management Partnership (ESRWMP) intends to prepare an Integrated Regional Water Management Plan (IRWMP) for the East Stanislaus IRWM Region. The IRWMP is being developed to encourage collaboration among participants to integrate regional strategies for management of water resources.

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Pub Dates 12/23/2011

Appendix G



IRWMP Stakeholder Contact List

7/9/2013

Category / Stakeholder	Contact	Title	Phone No.	Email	Address
Cities & Communities					
City of Patterson	Mike Willett	Public Works Director	209-895-8065	MWillett@ci.patterson.ca.us	1 Plaza Circle, Patterson, CA 95363
City of Newman	Garner Reynolds	Public Works Director	209-862-4448	greynolds@cityofnewman.com	1162 Main St. PO Box 787, Newman, CA 95360
City of Riverbank	J.D. Hightower Virginia Maduena	Development Services Director Mayor (NO LONGER MAYOR)	209-863-7124 209-968-7052	jhightower@riverbank.org vmadueno@riverbank.org	6707 Third St. Riverbank, CA 95367 6707 Third St. Riverbank, CA 95367
City of Waterford	Tim Ogden Matt Erickson	City Manager Public Works Director (primary contact)	209-874-2328	togden@cityofwaterford.org merickson@cityofwaterford.org	312 E Street, Waterford, CA 95386 312 E Street, Waterford, CA 95386
City of Oakdale	Mike Brennan Mike Brennan	Oakdale City Council Oakdale City Council	209-847-1581	brennandesign@mac.com mbrennan@ci.oakdale.ca.us	455 South Fifth Ave, Oakdale, CA 95361 455 South Fifth Ave, Oakdale, CA 95361
Community of Keyes	Rosemary Winter M Jones	Keyes Community Services District - Utility Foreman Keyes Community Services District - MaintenanceForeman	209-668-8341	rwinter1950@yahoo.com mjones@keyescsd.org	5061 7th Street, P.O. Box 699, Keyes, CA 95328 5061 7th Street, P.O. Box 699, Keyes, CA 95328
Keyes Community Services District	Lee Fremming J Parker	District Engineer Keyes CSD Board President	209-723-2066	Lee.Fremming jparker@keyescsd.org	2816 Park Avenue, Merced, CA 95348-3375
Community of Denair	Dennis Findley	Denair Municipal Advisory council	209-669-8560		3850 N. Gratton Rd, P.O. Box 217, Denair CA 95316
Denair CSD	Gaylon Wade			gwade@denaircsd.org	
Community of Del Rio					
Community of Westley	Coleen Sanguinetti	Westly Community Services District	209-892-7953	coleen@gvni.com	PO Box 26, Crows Landing CA 95313
Community of Riverdale	Kelly Murphy	Riverdale Park Tract Community Services District	209-537-1214		PO Box 26, Modesto, CA 95358
Community of Monterey Park	Franisco Diaz	Monterey Park Tract Community Services District	209-499-1113	daiz@hotmail.com	PO Box 1301, Ceres, CA 95307
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Community of Hickman					
Community of Empire					
Community of Riverdale	Kelly Murphy	Riverdale Park Tract Community Services District	209-537-1214		PO Box 26, Modesto, CA 95358
Irrigation and Water Districts					
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Modesto Irrigation District	Walt Ward	Assistant GM - Water Operations	209-526-7459	walterw@mid.org	1231 Eleventh St. Modesto, CA 95354 or PO Box 4060, Modesto, CA 95352
Eastside Irrigation District	Al Rossini Joe Marcotte	Retired	209-874-3739	ewd@jbmi.com jbm@jbmi.com	
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Merced Irrigation District	Tom Stephens	Water Resources Specialist	209-722-5761	tstephens@mercedid.org	744 W 20th St. Merced, CA 95340
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Ballico Community Water Service District	Manuel Jimenez	Board President	209-648-6366	manuelj1976@yahoo.com	P.O. Box 255, Ballico, CA 95303
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Counties					
Stanislaus County	Matt Machado Sonya Harrigfeld Juan Gonzalez Dave Leemon	Stanislaus County Public Works Director Director of Environmental Resources Associate Planner, Community Development Department	209-525-6550 209-525-6770 209-525-6330	machadom@stancounty.com sharigf@envres.org gonzalezj@stancounty.com	1716 Morgan Rd, Modesto CA 95358 3800 Cornucopia Way, Suite C, Modesto, CA 95358 1010 Tenth Street, Suite 3400, Modesto, CA 95354
Merced County	Ron Rowe	Environmental Health Specialist	209-381-1097	rrowe@co.merced.ca.us	2222 M St. Merced, CA 95340
Others					
Stanislaus County Farm Bureau	Wayne Zipser Tom Orvis	Executive Director Government Affairs Director	209-522-7278 209-522-7278	WayneZ@stanfarmbureau.org tomo@stanfarmbureau.org	1201 L Street, Modesto, CA 9354 / P.O. Box 3070, Modesto, CA 95353 1201 L Street, Modesto, CA 9354 / P.O. Box 3070, Modesto, CA 95353
Friends of the Tuolumne	Allison Boucher			aboucher@bendbroadband.com	1900 NE 3rd Street, Ste 106, PMB 314, Bend, OR 97701
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Native American Tribe(s)					
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Tuolumne River Trust	Patrick Koepele		209-588-8636 209-815-2200 (cell)	Patrick.Koepele	
Nature Conservancy	Laura Jensen		916-642-8068 415-533-8167 (cell)	Laura.Jensen@TNC.org	
Nature Conservancy	Jeanne Brantigan			jbrantigan@TNC.ORG padillaengineering@yahoo.com	
River Partners (RD 2092, aka Dos Rios)	Julie Rentner	Regional Director - Central Valley	(209) 521-1700 ext 23	jrentner@riverpartners.org	912 11th Street, Suite LL2, Modesto, CA 95354
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RD 1602 (aka Del Puerto)	Dan Roberts				
RD 2100					

IRWMP Stakeholder Contact List

7/9/2013

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RD 2031 (aka Elliot)	William Lyons, Jr				
RD 2102					
Local Government Commission	Laura Podolsky	Project Manager	916-448-1198 x311	lpodolsky@lgc.org	1303 J Street, Ste 250, Sacramento, CA 95814
Salida Sanitary Sewer District	Mike Gilton	District Manager	545-4987	mgilton@salidasanitary.net	P.O. Box 445, Salida, CA 95368
Empire Sanitary Sewer District	Don Hankins	District Clerk	522-3687 (office)	empiresanitary@sbcglobal.net	
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East Stanislaus Resources Conservation District	Chester Anderson	Watershed Coordinator, Middle San Joaquin Watershed	209-581-7558	esrcdwater@gmail.com Chester Anderson	3800 Cornucopia Way, Suite E, Modesto, CA 95358
Modesto citizen	Wayne Bridegroom			bridegroom@gmail.com	
MCDC Board Member	Denny Jackman	Modesto Community Development Corporation	209-343-4174	dennyj@clearwire.net	504 Laurel Avenue, Modesto, CA 95351
Modesto citizen	Jesse Roseman		510-220-6927	jessetroseman@gmail.com	
Self-Help Enterprises	Felipe Casas?	Community Development Specialist	559-802-1688	felipec@selfhelpenterprises.org	P.O. Box 6520, Visalia, CA 93290
Self-Help Enterprises	Eddie Ocampo			EddieO@selfhelpenterprises.org	
Neighboring IRWM Regions					
Merced	Hicham Eltal	MAGPI Chairman	209-722-5761	heltal@mercedid.org	P.O. Box 2288, Merced, CA 95344
Westside-San Joaquin	Ara Azhderian	Water policy Administrator (SLDMWA)	209-826-9696	ara.azhderian@sldmwa.org	
Tuolumne-Stanislaus	Pete Kampa John Mills	General Manager (Tuolumne Utilities District)	209-532-5536 209-532-0432	pkampa@tuolumneutilities.com sixbit@sonnet.com	P.O. Box 1160, Columbia, CA 95310
Eastern San Joaquin	Mel Lytle	Water Resources Coordinator (San Joaquin County Public Works)	209-468-3089	mlytle@sjgov.org	
Yosemite-Mariposa	Pat Garcia Brenda Ostrom	District Manager (Mariposa County Resource Conservation District) Project Manager (Mariposa County Resource)	209-966-3431 209-966-8432	mcrd@sti.net bostrom@sti.net	5900 Fairgrounds Road 9P.O. Box 746), Mariposa, CA 95338
Mokelumne/Amador/Calaveras (MAC)	Rob Alcott		707-785-1008	ralcott@aol.com	

Appendix H



Public Workshop – March 16, 2011

You're invited to a community workshop...

Help us prepare the East Stanislaus Integrated Regional Water Management Plan!

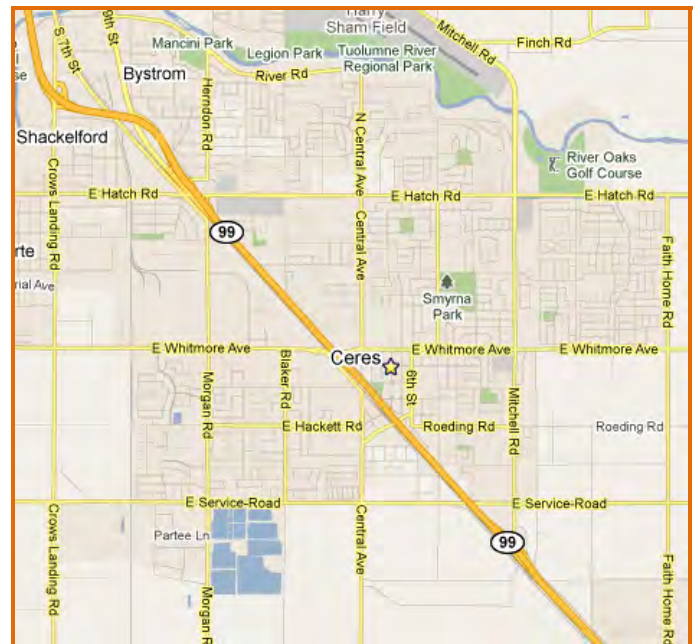
Working together to manage surface and groundwater resources



Snacks and Beverages will be provided!

WHEN: Wednesday, March 16 – 5:30 p.m.

WHERE: Ceres Community Center
2701 4th Street, Ceres



- Learn about Integrated Regional Water Management Planning;
- Hear a presentation on the process for preparing the plan;
- Explore possible regional visions, goals and objectives;
- Learn how you can participate.

For more information on the workshop, contact:

Jim Alves
Associate Civil Engineer
City of Modesto
(209) 571-5557 or jalves@modestogov.com

This meeting is sponsored by:

ESRWMG

**EAST STANISLAUS REGIONAL
WATER MANAGEMENT GROUP**

Uste esta invitado a un taller para la comunidad ...

Ayudenos a preparar el plan de Administración Integral del agua regional del este del condado de Stanislaus!

Trabajemos juntos para administrar los recursos locales del agua de superficie y agua subterránea

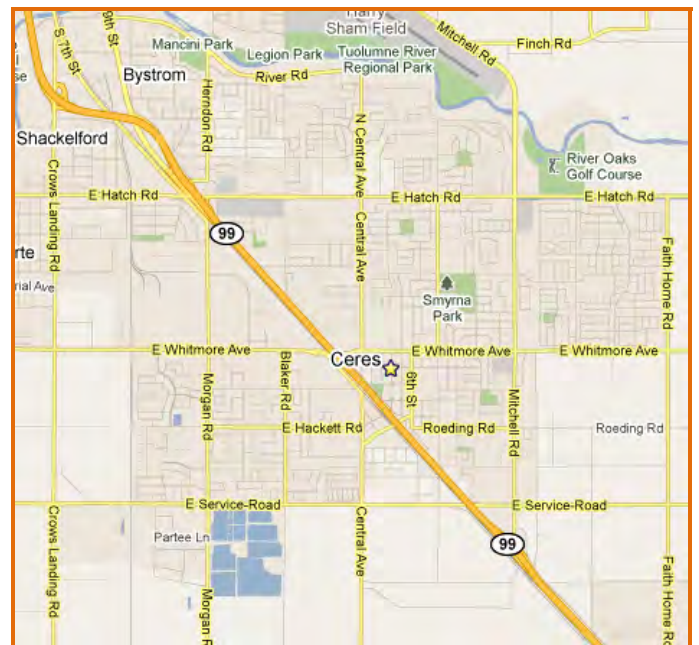


- Aprenda lo relacionado con el planeamiento de la administración integral del agua regional;
- Escucharemos una presentación acerca del proceso de la preparación del plan;
- Examinaremos posibles visiones regionales, metas y objetivos;
- Aprenda como usted puede participar.

Habrá refrescos y antojitos!

FECHA: El miércoles 16 de marzo del 2011 a las 5:30 de la tarde

LUGAR: El centro de la comunidad de la ciudad de Ceres. 2701 4th Street, Ceres



Para más información sobre el taller favor de ponerse en contacto con:

Jim Alves

Ingeniero Civil Asociado
de la ciudad de Modesto
tel. (209) 571-5557 or correo electronic
jalves@modestogov.com

Esta junta es patrocinada por:

ESRWMG (Por sus siglas en inglés)

**EAST STANISLAUS REGIONAL
WATER MANAGEMENT GROUP**

East Stanislaus Integrated Regional Water Management Plan

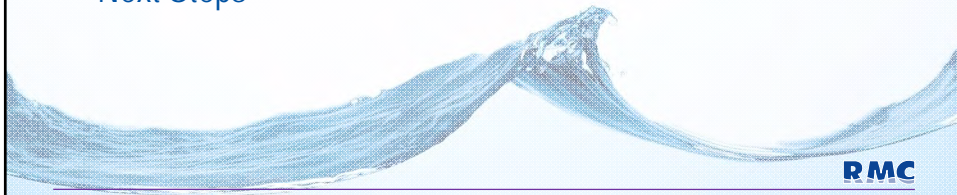


January 26, 2011

*Innovative Solutions for
Water and the Environment*

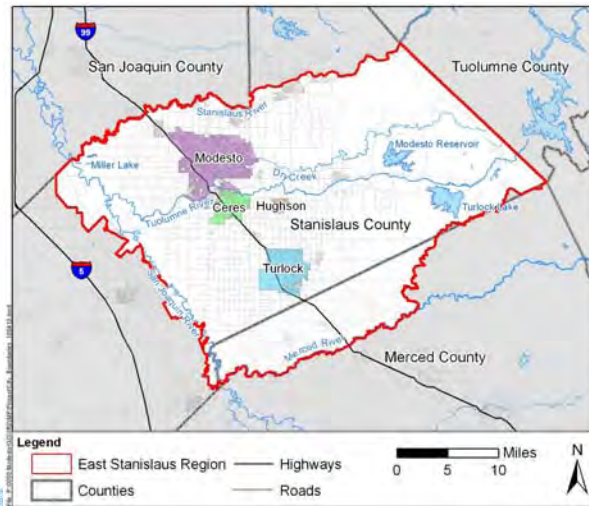
Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- East Stanislaus Region
- East Stanislaus IRWM Planning Process
- Governance and Public Involvement
- Next Steps



Introductions

- City of Modesto
- City of Hughson
- City of Ceres
- City of Turlock



Meeting Agenda

- Introductions
- **Summary of Integrated Regional Water Management Program**
- East Stanislaus Region
- East Stanislaus IRWM Planning Process
- Governance and Public Involvement
- Next Steps

An Integrated Regional Water Management (IRWM) Plan is...

- A planning document
- A description of water-related resources, challenges, goals, and solutions
- An opportunity for regional partnerships and coordination
- Facilitating to State funding

RMC

An IRWM Plan is not...

- A substitute for local planning
- A decrease in agency responsibilities or autonomy
- A policy document
- Comprehensive project documentation

RMC

The Purpose of an IRWM Plan is to...

- Develop regional understanding
- Identify water resources solutions
- Reflect the regional needs
- Maximize benefits through integration of water management strategies
- Leverage regional resources through partnerships
- Be eligible for State funding through the IRWM grant program



RMC

Contributors Include...

- Water and Wastewater Agencies
- Counties
- Cities
- Public Groups
- Private Organizations
- Members of the Public



RMC

An IRWM Plan and Process Helps by...

- Consolidating information
- Encouraging discussion among stakeholders
- Evaluating projects on a regional scale
- Increasing chances of project implementation
 - Combining projects
 - Implementation funding

RMC

Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- **East Stanislaus Region**
- East Stanislaus IRWM Planning Process
- Governance and Public Involvement
- Next Steps

RMC

An IRWMP Region is...

- Defined by those organizations creating it
- Defined by water management issues and potential solutions
- Not restricted to political boundaries
- Typically within a State Hydrologic Area

The East Stanislaus Region Includes...

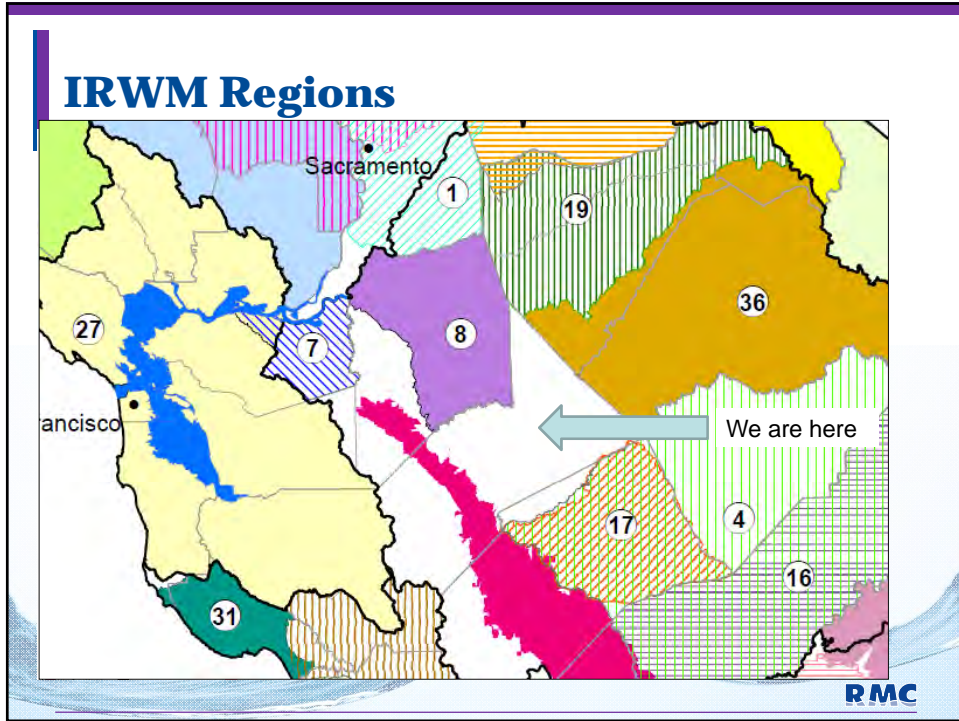
- Portions of Stanislaus and Merced Counties
- Cities of Modesto, Hughson, Turlock, Ceres, Patterson, Newman, Riverbank, Waterford, and Oakdale
- Communities of Keyes, Denair, Del Rio, Riverdale, Grayson, Hickman, Empire, Salida, Hilmar, Delhi, and Keys
- Turlock Irrigation District, Modesto Irrigation District, Eastside Irrigation district, Oakdale Irrigation District, and Merced irrigation District

RMC

IRWM Funding Areas Coincide with State Hydrologic Regions



RMC



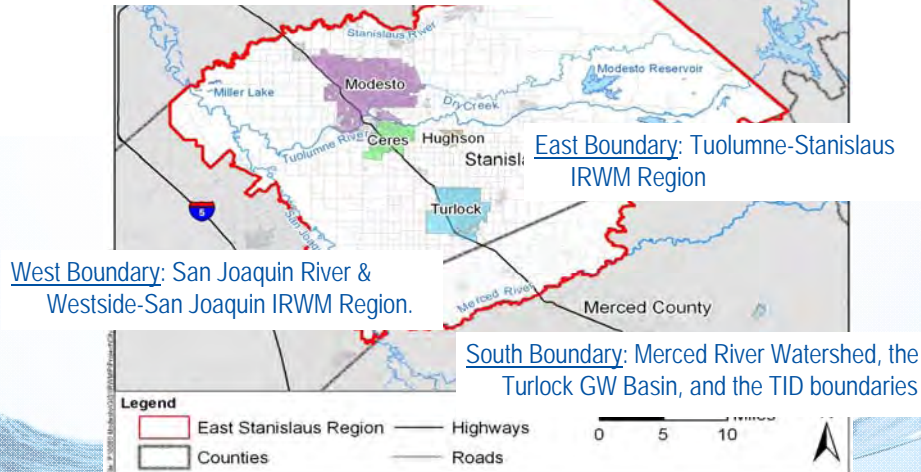
East Stanislaus IRWM Planning Process

- The cities of Modesto, Hughson, Ceres and Turlock signed an MOU committing to the development of an IRWM Plan
- Formed the East Stanislaus Region and associated Regional Water Management Group

A detailed map of the East Stanislaus IRWM Region, showing Stanislaus County and its neighbors: San Joaquin, Calaveras, Tuolumne, Merced, and Mariposa counties. A legend identifies the IRWM Regions: East Stanislaus (red outline), No IRWM Region (white), Central California (green), Eastern San Joaquin (yellow), Merced (orange), Westside - San Joaquin (blue), and Tuolumne-Stanislaus (purple). An inset map shows the location of the East Stanislaus region within California. A scale bar and north arrow are also present. The RMC logo is in the bottom right corner.

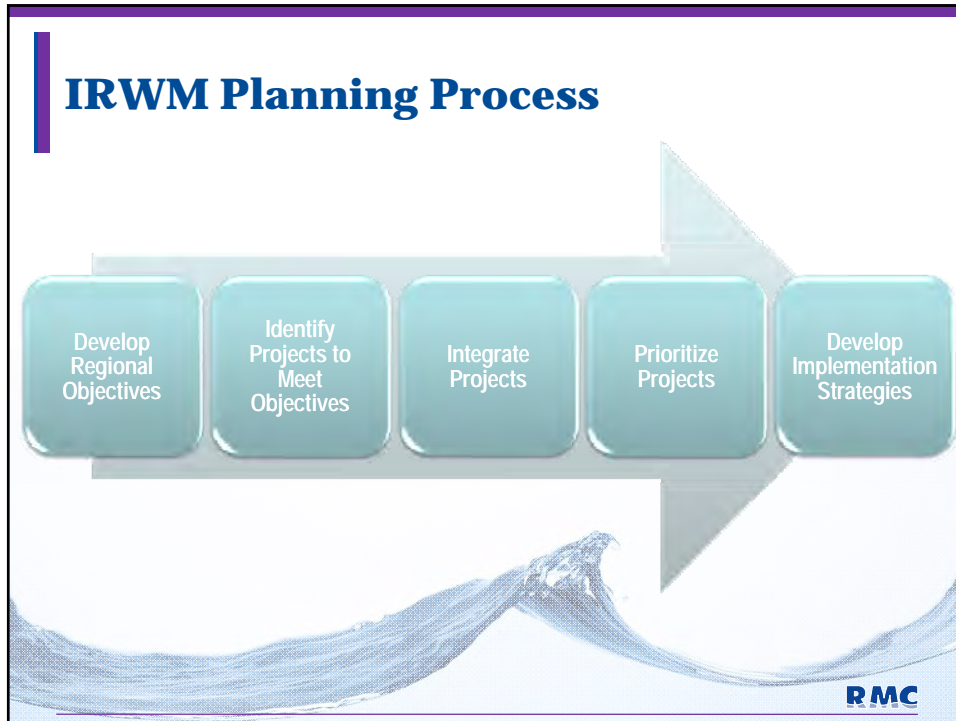
East Stanislaus Regional Boundaries

North Boundary: Stanislaus River, Modesto Groundwater Basin, and portion of Stanislaus County border



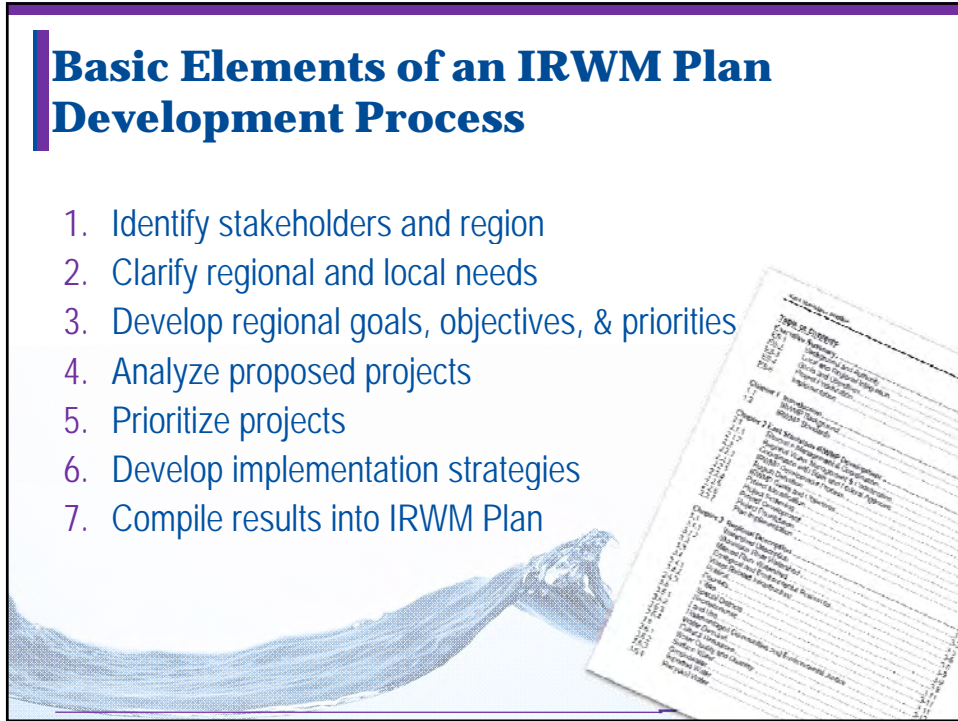
Meeting Agenda

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- Next Steps



Basic Elements of an IRWM Plan Development Process

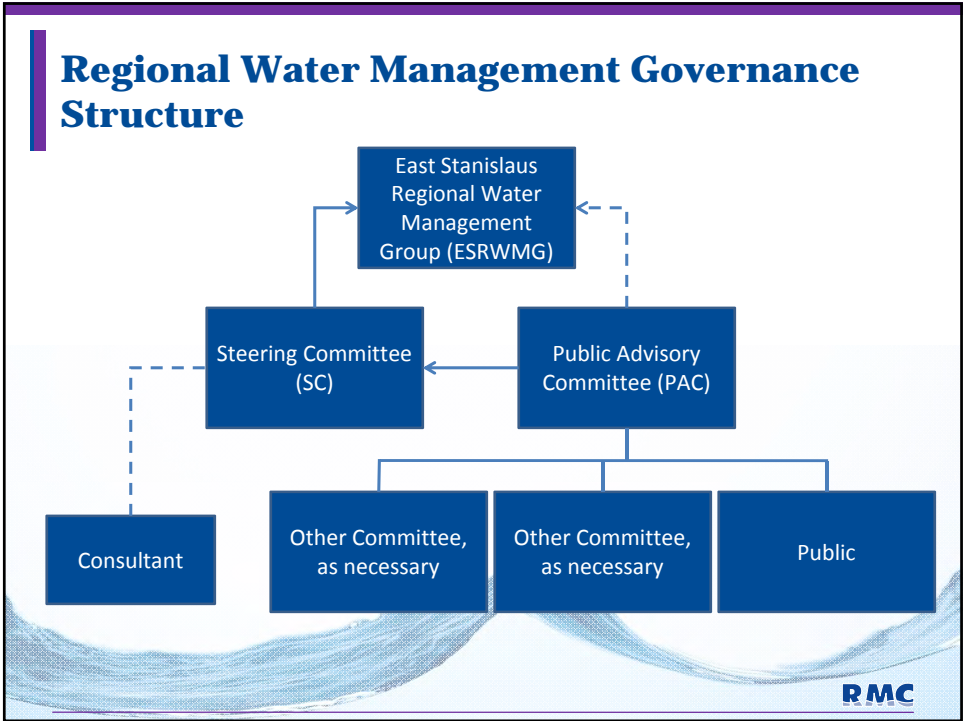
1. Identify stakeholders and region
2. Clarify regional and local needs
3. Develop regional goals, objectives, & priorities
4. Analyze proposed projects
5. Prioritize projects
6. Develop implementation strategies
7. Compile results into IRWM Plan



Meeting Agenda

- Introductions
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- Next Steps





Public Involvement

- Cooperation and coordination among regional stakeholders promotes regionalization
- Input and comments from stakeholders maximizes benefits
- Two levels of public involvement:
 - Attendance at open ESRWMG and Steering Committee meetings
 - Public Advisory Committee (PAC) meetings

You can become a member of the PAC

RMC

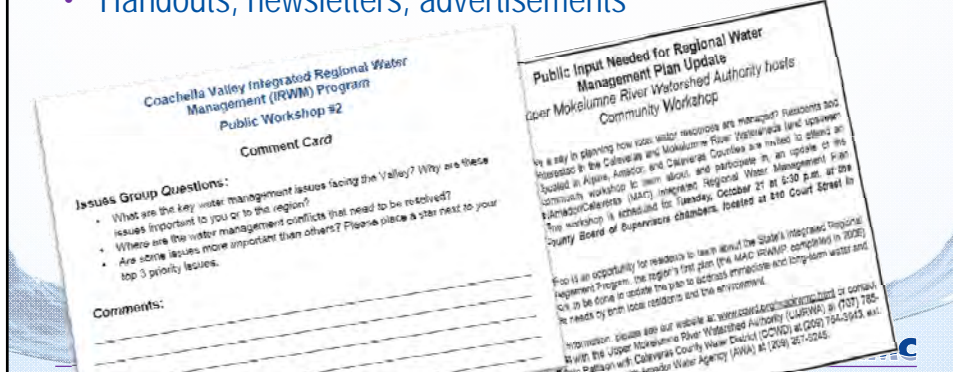
Methods to Provide Input & Obtain Information

- ESRWVG, Steering Committee, and PAC meetings
- East Stanislaus IRWM planning website (to be developed)



Methods to Provide Input & Obtain Information

- ESRWVG, Steering Committee, and PAC meetings
- East Stanislaus IRWM planning website (to be developed)
- Handouts, newsletters, advertisements



Methods to Provide Input & Obtain Information

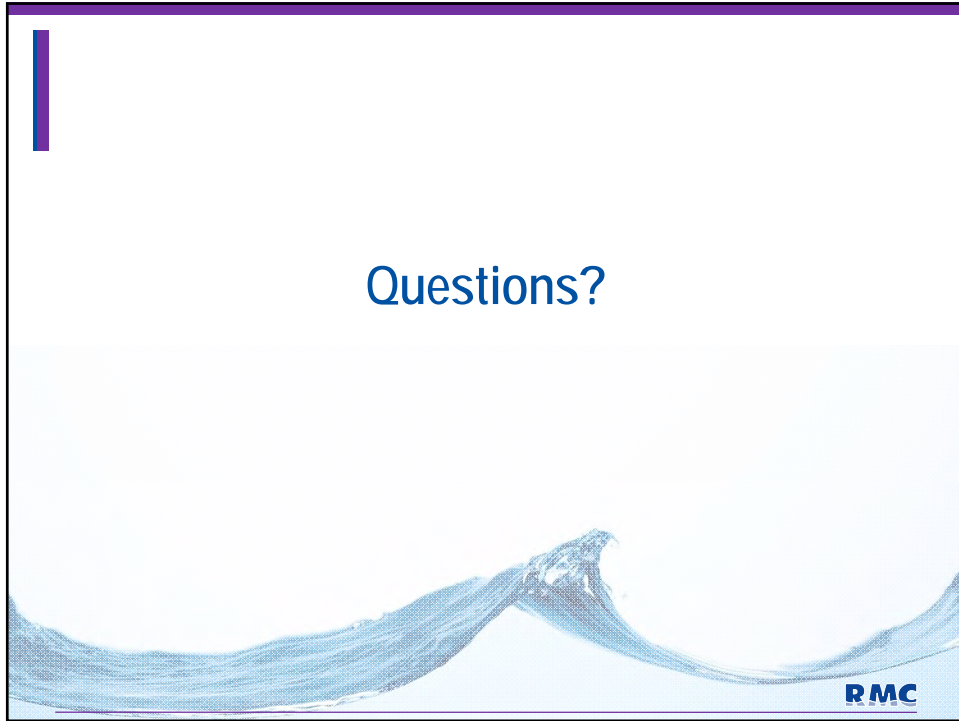
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RMC

Contact Information

Jim Alves
City of Modesto
209-571-5557
jalves@modestogov.com

RMC



What is an Integrated Regional Water Management Plan?

An IRWM Plan is:



- ◆ A planning document
- ◆ A description of water-related resources, challenges, goals, and solutions
- ◆ An opportunity for regional partnerships and coordination

An IRWM Plan is NOT:



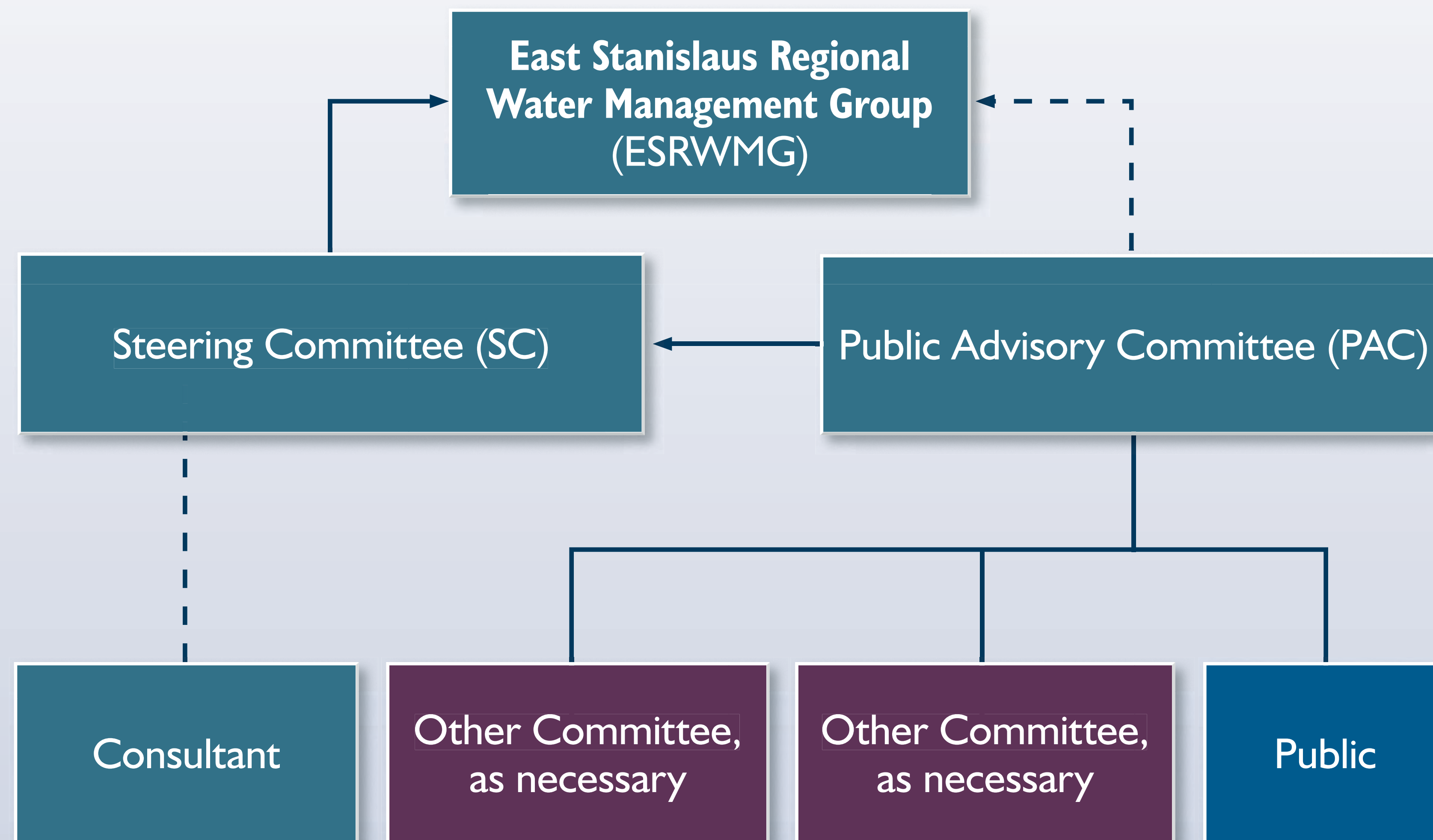
- ◆ Substitute for local planning
- ◆ Decrease in agency responsibilities or autonomy
- ◆ A policy document
- ◆ Comprehensive project documentation

The Purpose of an IRWM Plan is to...

- ◆ Develop an understanding of water resources issues from a regional perspective
- ◆ Identify water resources solutions
- ◆ Reflect the regional needs
- ◆ Maximize benefits through integration of water management strategies
- ◆ Leverage regional resources through partnerships
- ◆ Facilitate funding



Regional Water Management Governance Structure



The ESRWGMG...

- ◆ Includes one member from each MOU signatory
- ◆ Members are from Cities of Ceres, Hughson, Modesto and Turlock
- ◆ Acts as the lead voice in the IRWM planning and implementation process
- ◆ Facilitates communication, cooperation and education between member agencies
- ◆ Facilitates implementation of the IRWMP and overall planning process
- ◆ Provides oversight to both the Steering Committee and Public Advisory Committee

The Public Advisory Committee...

- ◆ Is equivalent to a stakeholder committee that provides input and recommendations to the Steering Committee and ESRWGMG
- ◆ Helps develop project prioritization methodologies
- ◆ Helps screen and rank projects
- ◆ Contributes to methodology for inclusion of projects in grant applications
- ◆ Receives direction and tasks to complete from the Steering Committee
- ◆ Is made of non-governmental organizations, environmental groups, community organizations, the County, Regional Board, disadvantaged communities and others

The Steering Committee...

- ◆ Leads preparation and implementation of the IRWM Plan and future updates of the Plan.
- ◆ Manages contracts, information / databases, reporting
- ◆ Manages the IRWM Plan development and implementation
- ◆ Coordinates with the Public Advisory Committee
- ◆ Presents unresolved issues/work tasks to the Public Advisory Committee
- ◆ Manages the East Stanislaus IRWMP website
- ◆ Coordinates distribution and posting of materials
- ◆ Conveys Public Advisory Committee's recommendations to the ESRWGMG



Frequently Asked Questions

How is IRWM different than what came before?

In general, IRWM involves looking at water management issues from a multitude of perspectives as diverse stakeholders engage one another. That process can yield multi-benefit projects that meet several entities' goals and objectives in a more cost effective manner than each entity acting on its own. Previously, water management entities tended to work with a narrow focus on their service area and primary function, sometimes competing against similar efforts to resolve similar issues or advancing duplicative efforts.

Why is IRWM important to me? Why should I participate?

IRWM operates on the principle that each stakeholder holds a piece of the water management solution for their region and that the best solutions require better communication and understanding of regional issues than has previously occurred. The more partners involved in an IRWM, the higher the potential for better water management solutions.

In addition to the IRWM grant, are there other sources to fund a project?

Yes, while recent State bond funding measures have provided a large amount of grant funding specifically for IRWM plans and implementation, there are other opportunities for projects. Various state grant and loan programs, administered by DWR and other state agencies, can provide funding, including: FloodSAFE, urban streams, local groundwater assistance, stormwater quality, rivers and parkways, and state revolving fund loans. Federal funding may also be available for some types of projects. Local financing will make up the largest portion of funding in many regions. The IRWM plan should serve as a strategic investment plan for all sources of funding.



What's the current state of IRWM planning?

IRWM planning regions now cover approximately 82% of the area of the State, an increase of 28% in five years. Planning regions include approximately 98% of the population in California, an increase of 4% in five years. IRWM planning regions vary in size. Some cover an entire hydrologic region of the State. In other hydrologic regions there are multiple IRWM planning regions. The largest IRWM planning region is approximately 12.5 M acres and the smallest about 170,000 acres. The enclosed map presents the current IRWM planning regions in the State.

What is the relationship between local planning and IRWM planning?

Local planning is important and will continue as not all water resource management issues are regional in nature. In fact, sound local planning helps generate regional issues and objectives that can benefit from integrated solutions.

What do people involved in IRWM planning regions say?

Opinions about IRWM vary, but there is broad agreement on some of the factors that lead to successful implementation of the IRWM.

- ◆ IRWM efforts are long term.
- ◆ IRWM efforts yield unprecedented coordination and cooperation.
- ◆ One of the most valuable outcomes of IRWM efforts are the relationships formed between diverse stakeholders.

How does someone get involved?

DWR's web site contains contact information for current IRWM efforts (see resources section). If an IRWM effort does not currently exist in your area, you can begin to identify other water management entities in your area to begin the conversation or you can contact one of DWR's regional contacts to begin to connect to others in your area. ☞

Benefits of IRWM

As indicated in the CWP Update 2009, IRWM is a key initiative to ensuring reliable water supplies in the future. IRWM helps communities and regions incorporate sustainable actions into their water management efforts.

A main focus of IRWM planning is diversification of a region's water portfolio so that multiple resource management strategies are employed in meeting future water and water quality needs of all sectors. This diversification should help regions to better prepare to face an uncertain future of water availability and water use; while protecting and improving water quality and the environment.

As a key initiative in the CWP, IRWM is a long term approach to water management in California. As IRWM evolves, DWR seeks to encourage planning efforts that are collaborative and use broad stakeholder participation to gain the input that leads to diversity of water management strategies. Such planning efforts can live well into the future beyond current state funding incentives. ☞



Contacts

For more information on Integrated Regional Water Management, please contact us at:

DWR_IRWM@water.ca.gov

Integrated Regional Water Management

What is IRWM?

Integrated Regional Water Management (IRWM) is a collaborative effort to manage all aspects of water resources in a region. IRWM differs from traditional approaches to water resource management by integrating all facets of water supply, water quality, waste water treatment, and flood and storm water management.

IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives

of all the entities involved through mutually beneficial solutions.

IRWM is an example of integrated resource planning, which began in the late 1980s in the electric power industry as a comprehensive approach to resource management and planning. When applied to water management, integrated resource planning is a systems approach that explores the cause-and-effect relationships between different aspects of water resource management, with an understanding that changes in the management of one aspect of water re-

sources can affect others. Because water resources are often not confined to the boundaries of a single water management agency, a consensus-based, cross-jurisdictional, regional approach provides an opportunity to formulate comprehensive solutions to water resource issues within a region.

The methods used in the IRWM include a range of water resource management strategies, which relate to water supply, water quality, water use efficiency, operational flexibility, and stewardship of land and natural resources. ☞

Background

Although IRWM planning has roots in integrated resource planning, recent developments have caused a surge in IRWM activity in California.

The Integrated Regional Water Management Act of 2002 (Senate Bill 1672, Costa) amended the California Water Code (CWC) to add §10530 to encourage local agencies to work cooperatively to manage local and imported water supplies to improve the quality, quantity, and reliability of those supplies. While this act provided the authority for IRWM plans, it gave little guidance or incentive for IRWM planning or implementation.

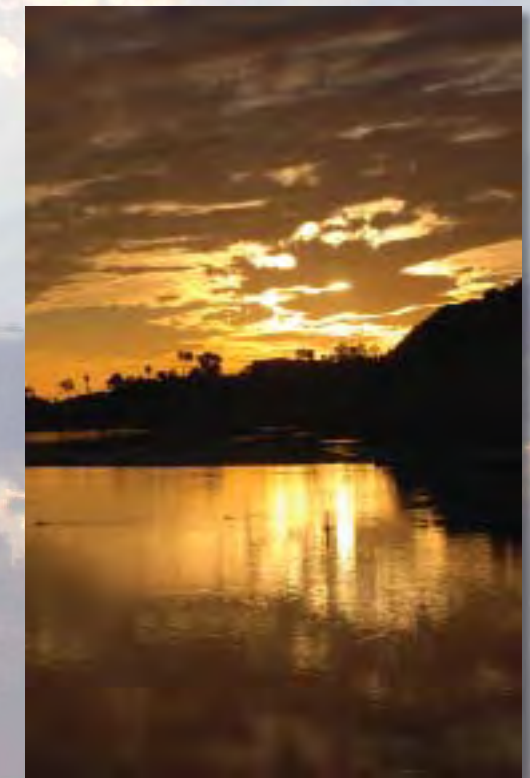
In November 2002, California voters passed Proposition 50, the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002, which provided \$500,000,000 (CWC §79560-79565) to fund competitive grants for projects consistent with an adopted IRWM plan. The grant program was run as a joint effort between the Department of Water Resources (DWR) and the State Water Resources Control Board to provide both planning and implementation grants to IRWM efforts.

The incentive provided by this funding, as well as the direction provided in grant program guidelines, were major drivers for progress in IRWM over the last several years.

In December 2005, DWR released the California Water Plan (CWP) Update, 2005, which names the IRWM as a key initiative to ensure reliable water supplies.

In November 2006, California voters passed Proposition 84, the Safe Drinking Water, Water Quality, and Supply, Flood Control, River and Coastal Protection Bond Act of 2006. Proposition 84 provides \$1,000,000,000 for IRWM planning and implementation. At the same time, California voters also passed Proposition 1E, the Disaster Preparedness and Flood Prevention Bond Act of 2006, which provides, among other actions, \$300,000,000 for storm water projects that reduce flood damage and are consistent with an IRWM plan.

In October 2009, DWR released the CWP Pre-Final Draft, Update 2009, which emphasizes the need for integrated regional water management. As stated in the Highlights volume, "IRWM provides a critical framework for actions to address the un-



certainties presented by climate change as well as other risks to California's water future." The first objective in the implementation chapter (Volume 1, Chapter 7) is to promote, improve, and expand integrated regional water management. ☞

Integrated Regional Water Management
2009 Region Acceptance Process
IRWM Regions
FINAL 11/23/09



Legend		
[Blue Box] Select Water Bodies	[Yellow Box] (15) Kern County*	[Pink Box] (33) Southern Sierra*
[White Box] Prop 84 Funding Area Regions	[Purple Box] (16) Madera*	[Light Blue Box] (34) Tahoe-Sierra
[Black Box] County Boundaries	[Orange Box] (17) Merced*	[Light Green Box] (35) Tule*
[Green Box] (1) American River Basin	[Red Box] (18) Mojave	[Light Purple Box] (36) Tuolumne-Stanislaus
[Yellow Box] (2) Antelope Valley	[Green Box] (19) Mokelumne/Amador/Calaveras	[Light Blue Box] (37) Upper Feather River Watershed
[Dark Green Box] (3) Borrego Valley (revised)	[Orange Box] (20) Monterey Peninsula, Carmel Bay, So. Monterey Bay	[Light Green Box] (38) Upper Kings Basin Water Forum
[Light Green Box] (4) Central California*	[Light Green Box] (21) North Coast	[Light Green Box] (39) Upper Pit River Watershed
[Light Green Box] (5) Coachella Valley	[Light Green Box] (22) Northern Sac Valley - Four County Group*	[Light Green Box] (40) Upper Sacramento-McCloud
[Light Green Box] (6) Cosumnes American Bear Yuba	[Light Green Box] (23) Pajaro River Watershed	[Light Green Box] (41) Upper Santa Clara River
[Light Green Box] (7) East Contra Costa County	[Light Green Box] (24) Poso Creek*	[Light Green Box] (42) Upper Santa Margarita
[Light Green Box] (8) Eastern San Joaquin	[Light Green Box] (25) Sacramento Valley*	[Light Green Box] (43) Watersheds Coalition of Ventura County
[Light Green Box] (9) Gateway Region	[Light Green Box] (26) San Diego	[Light Green Box] (44) Westside - San Joaquin
[Light Green Box] (10) Greater Los Angeles County	[Light Green Box] (27) San Francisco Bay Area	[Light Green Box] (45) Westside (Yolo, Solano, Napa, Lake, Colusa)
[Light Green Box] (11) Greater Monterey County	[Light Green Box] (28) San Luis Obispo	[Light Green Box] (46) Yuba County
[Light Green Box] (12) Imperial	[Light Green Box] (29) Santa Ana Watershed Project Authority	
[Light Green Box] (13) Inyo-Mono	[Light Green Box] (30) Santa Barbara Countywide	
[Light Green Box] (14) Kaweah River Basin*	[Light Green Box] (31) Santa Cruz County	
	[Light Green Box] (32) So. Orange County Watershed Management Area	

* Denotes Region Conditionally Approved

Notes:
1) Hatch and Dot symbols are shown where there is a boundary overlap
2) Numbers shown are for reference purposes only and correspond to internal DWR RAP submittal identifications.
3) Region boundaries shown are those proposed by each applicant as submitted to DWR for the 2009 RAP on April 29, 2009, or as revised and submitted to DWR following the 2009 RAP interview (as of October 22, 2009.)

Resources

- California Water Plan and Updates: <http://www.waterplan.water.ca.gov/>
- IRWM Grant Program: <http://www.water.ca.gov/irwm/>
- FloodSAFE: <http://www.floodsafe.water.ca.gov/>
- Other DWR Grant programs: <http://www.water.ca.gov/nav/nav.cfm?loc=t&id=103>
- State Water Board Financial Assistance: http://www.waterboards.ca.gov/water_issues/programs/grants_loans

Region Acceptance Process

In 2009, DWR went through a Region Acceptance Process (RAP) to accept regions into the IRWM Grant Program. Forty six regions submitted applications, and after a thorough review and interview process, DWR approved 36 regions, and conditionally approved 10 other regions. The map above shows those regions that have been approved or conditionally approved by DWR. The DWR IRWM web site contains more specific information on the RAP. ☞

SIGN-UP SHEET FOR EMAIL AND NEWSLETTER UPDATES

NAME	AGENCY	PHONE NUMBER	EMAIL ADDRESS	ADDRESS
Michael Brinton	Ceres	538-5630	ci.ceres.ca.us michael.brinton@	
Alex Cantatore	Turlock Journal	634-9141	acantatore@ turlockjournal.com	138 S. Center St. Turlock, CA 95380
Thom Clark	City of Hughson	883-0811	tclark@hughson .org	
Debbie Liebersbad	Turlock ID	883-8428	dcliebersbad @tid.org	P.O. Box 949 Turlock, CA. 95381
Carrie Cardoza	Cardoza + Assoc.	581-2274	carrie@ gucardoza. com	2020 Stanford Ave #11-3 Mod CA 95350

IRWMP WORKSHOP SIGN-IN SHEET

	NAME	AGENCY	ADDRESS	PHONE #	EMAIL ADDRESS
1	Camie Cardoza	Cardoza	302 Tree Crest Cir. ^{Oak.} 95301	581-2274	camie@opcardoza.com
2	Jack Doo	"	P.O. Box 822, Denair 95316	648-4287	jpdoojr@shcglobal.net
3	Keslie Dundas	RMC	200 N. Main, Walnut Cr.	925-627-4100	kdundas@rmcwater.com
4	Jim	Modesto	Modesto City Hall	209-571-5557	jakes@modestogov.com
5	GLENN PRASAD	CITY MODESTO	—	209 571 5149	gprasad@modestogov.com
6	DAVID A. FELIX	"	"	(209) 577-5488	DFELIX@MODESTOGOV.COM
7	Rich Ulla	" "	"	577-5215	ru_@ModestoGas.com
8	DAN MADSEN	C.D.T.	156 S. BROADWAY	209 668-5890	
9	Alex Cantatore	Turlock Jamb	138 S. Center St. Turlock	209 634 9141	acantatore@turlockjournal.com
10	Dave Richardson	RMC	2001 N. Main St. Walnut Creek	(925) 627-4100	d Richardson@rmcwater.com
11	Debbie Lieberski	TID	PO Box 949, Turlock, CA.	(209) 883-8428	dclieberski@tid.org
12	Thom Clark	Hughson		883-0811	tclark@hughson.org
13	Sheila Cumberland	Ceres	2720 Second St Ceres	538-5764	Sheila.Cumberland@ci.ceres.ca.us
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Public Workshop - April 12, 2012

You're invited to a community workshop...

Help us prepare the East Stanislaus Integrated Regional Water Management Plan! Submit projects for inclusion in the Plan!

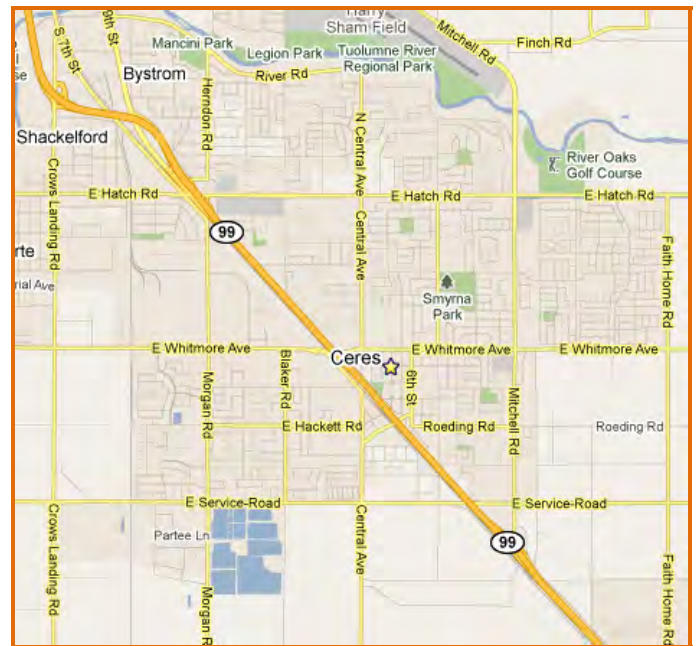
Working together to manage surface and groundwater resources



Snacks and Beverages will be provided!

WHEN: Thursday, April 12th – 6 p.m.

WHERE: Ceres Community Center
2701 4th Street, Ceres



- Learn about Integrated Regional Water Management Planning;
- Hear a presentation on the process for preparing the Plan;
- Discover how to submit water resource projects for inclusion in the Plan;
- Learn how you can participate.

For more information on the workshop, contact:

Jim Alves
Associate Civil Engineer
City of Modesto
(209) 571-5557 or jalves@modestogov.com

This meeting is sponsored by:



East Stanislaus Regional Water Management Partnership

Uste esta invitado a un taller para la comunidad ...

Ayudenos a preparar el plan de Administración Integral del agua regional del este del condado de Stanislaus! Somete proyectos para la inclusión en el Plan!

Trabajemos juntos para administrar los recursos locales del agua de superficie y agua subterránea

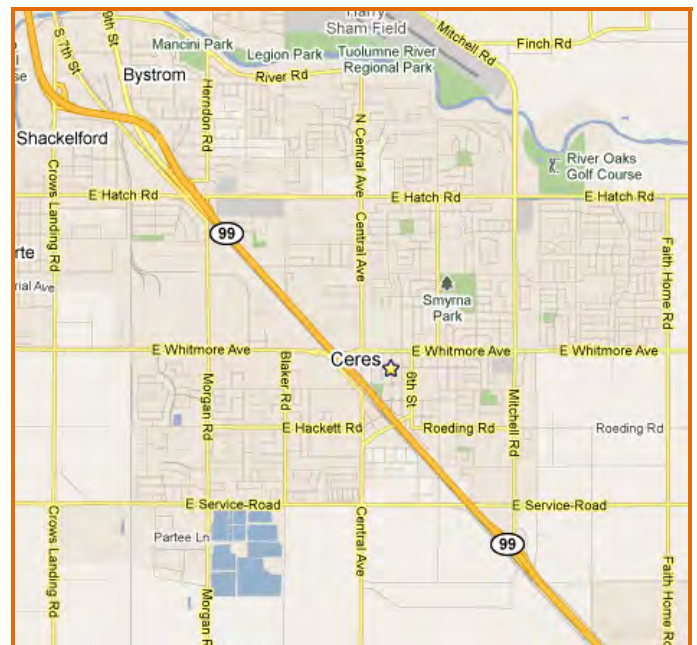


- Aprenda lo relacionado con el planeamiento de la administración integral del agua regional;
- Escucharemos una presentación acerca del proceso de la preparación del plan;
- Descubra cómo someter proyectos de recursos de agua para su inclusión en el Plan;
- Aprenda cómo usted puede participar.

Habrá refrescos y antojitos!

FECHA: El jueves 12 de abril del 2012 a las 6 de la tarde

LUGAR: El centro de la comunidad de la ciudad de Ceres. 2701 4th Street, Ceres



Esta junta es patrocinada por:



(Por sus siglas en inglés)
East Stanislaus Regional Water
Management Partnership

Para más información sobre el taller favor de ponerse en contacto con:

Jim Alves

Ingeniero Civil Asociado
de la ciudad de Modesto
tel. (209) 571-5557 or correo electronic
jalves@modestogov.com

**NOTICE OF PUBLIC MEETING
CITIES OF MODESTO, TURLOCK, CERES, HUGHSON**

**PUBLIC MEETING FOR PROJECT SOLICITATION FOR THE EAST STANISLAUS
INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) PLAN. THE MEETING WILL
DISCUSS THE DEVELOPMENT OF AN IRWM PLAN FOR INTEGRATING WATER
PROJECTS AND WATER RESOURCE MANAGEMENT AND PROJECT SUBMITTAL FOR
INCLUSION IN THAT PLAN.**

NOTICE IS HEREBY GIVEN that a public meeting will be held by the Cities of Modesto, Turlock, Ceres and Hughson on behalf of the East Stanislaus Regional Water Management Partnership at 6:00 PM on April 12, 2012, at the Ceres Community Center, 2701 Fourth St., Ceres, California, for the purpose of notifying and informing the public on the upcoming project solicitation period for submittal of projects for inclusion in the East Stanislaus Integrated Regional Water Management Plan.

All interested persons are invited to attend the public meeting at the above time and place to learn about and participate in the preparation of the East Stanislaus Integrated Regional Water Management Plan (IRWMP) and contribution of projects and/or programs that will meet the goals and objectives of the East Stanislaus Region. This meeting is an opportunity for residents to learn about the State's IRWM Program and the upcoming work to be done to prepare the plan to address immediate and long-term water and wastewater needs by both local residents and the environment, and about the process that will be used for submitting projects for inclusion in the East Stanislaus IRWMP

If you have any questions, please call Jim Alves in the Capital Planning Group of the Utility Planning and Projects Department, City of Modesto at (209) 571-5557 or (TDD) 526-9211, any weekday from 8:30 a.m. to 5:30 p.m.




East Stanislaus Integrated Regional Water Management Plan

Presenters:
 Leslie Dumas – RMC Water and Environment
 Jim Alves – City of Modesto


April 12, 2012

Meeting Agenda



- Introductions
- Summary of Integrated Regional Water Management Program
- East Stanislaus Region and Planning Process
- Project Solicitation Process



Introductions – Meet the ESRWMP



- City of Modesto
- City of Hughson
- City of Ceres
- City of Turlock

Meeting Agenda

- Introductions
- **Summary of Integrated Regional Water Management Program**
- East Stanislaus Region and Planning Process
- Project Solicitation Process



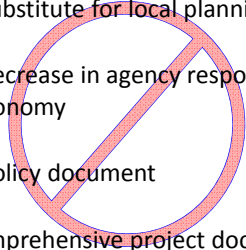

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- A description of water-related resources, challenges, goals, and solutions
- An opportunity for regional partnerships and coordination
- Requirement for some State funding






An IRWM Plan is not...

- A substitute for local planning
- A decrease in agency responsibilities or autonomy
- A policy document
- Comprehensive project documentation



The Purpose of an IRWM Plan is to...

- Develop regional understanding
- Identify water resources solutions
- Reflect the regional needs
- Maximize benefits through integration of water management strategies
- Leverage regional resources through partnerships
- Be eligible for State funding through the IRWM grant program


Contributors Include...

- Water and Wastewater Agencies
- Counties
- Cities
- Public Groups
- Private Organizations
- Members of the Public

An IRWM Plan and Process Helps by...

- Consolidating information
- Encouraging discussion among stakeholders
- Evaluating projects on a regional scale
- Increasing chances of project implementation
 - Combining projects to maximize benefits and reduce cost
 - Implementation funding




Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- **East Stanislaus Region and Planning Process**
- Project Solicitation Process





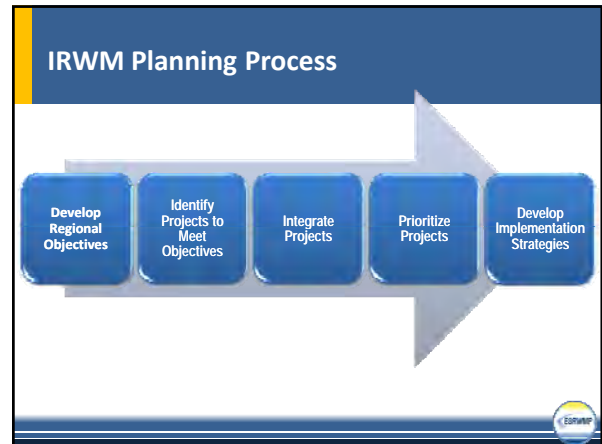
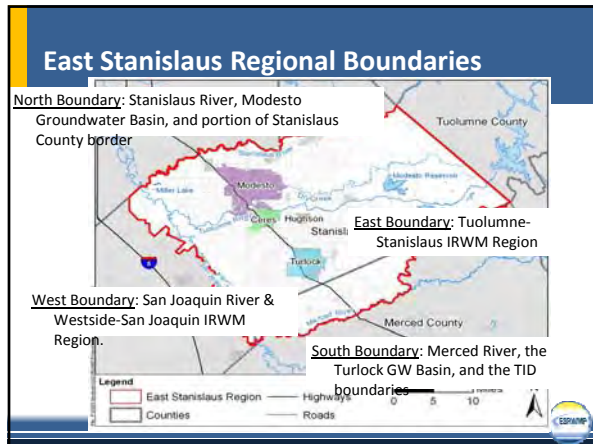
The East Stanislaus Region Includes...

- Portions of Stanislaus and Merced Counties
- Cities of Modesto, Hughson, Turlock, Ceres, Patterson, Newman, Riverbank, Waterford, and Oakdale
- Communities of Keyes, Denair, Del Rio, Riverdale, Grayson, Hickman, Empire, Salida, Hilmar, Delhi, and Keys
- Turlock Irrigation District, Modesto Irrigation District, Eastside Irrigation District, Oakdale Irrigation District, and Merced Irrigation District



IRWM Regions



- ### Identified Issues and Conflicts
- Water supply reliability
 - Drinking water quality
 - Water quality protection
 - Groundwater overdraft / contamination / recharge
 - Protection and enhancement of aquatic, riparian, and watershed resources
 - Water-related needs of disadvantaged communities
 - Flood protection
 - Recycled water use
 - Water conservation
 - Aging infrastructure

- ### Identified Regional Goals
- Water Supply
 - Flood Protection
 - Water Quality
 - Environmental Protection and Enhancement
 - Regional Communication and Cooperation
 - Economic and Social Responsibility

Water Supply Goal

To protect existing water supplies and water rights, and improve regional water supply reliability.

Flood Protection Goal

To ensure flood protection strategies are developed and implemented through a collaborative process, utilizing both local and watershed-wide approaches designed to maximize opportunities for comprehensive water resource management.

Water Quality Goal

To protect and improve water quality for beneficial uses consistent with regional interests and the RWQCB Basin Plan in cooperation with local, state and federal agencies, and regional stakeholders.



Environmental Protection and Enhancement Goal

To protect the environmental resources of the Stanislaus, Tuolumne, Merced and San Joaquin River watersheds by identifying, promoting and implementing opportunities to assess, restore and enhance natural resources of these watersheds



Regional Communication and Cooperation Goal

To implement and promote this IRWM Plan through regional communication, cooperation, and education.



Economic and Social Responsibility Goals

To promote development and implementation of projects, programs and policies that are socially impartial and economically sound.



IRWM Planning Process




Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- East Stanislaus Region
- East Stanislaus IRWM Planning Process
- **Project Solicitation Process**



Project Solicitation Process

- The East Stanislaus IRWMP must contain a list of projects that contribute to meeting the Plan Goals and Objectives
- Projects are submitted by agencies, cities, and other stakeholders through an open and public project solicitation process
- Submit projects between 4/2/12 and 5/7/12




How to Submit a Project – Two ways

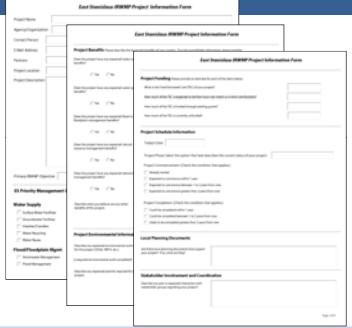

1. Go to the East Stanislaus IRWM website (www.eaststanirwm.org) and click on the Projects tab or use this link: <http://irwm.rmcwater.com/es/login.php>

OR

2. Fill out hard copy form and send it to Jim Alves at the City of Modesto. The form is available upon request from Jim Alves





Project Solicitation Form



Methods to Provide Input & Obtain Information

- ESRWMP, Steering Committee, and PAC meetings

Methods to Provide Input & Obtain Information

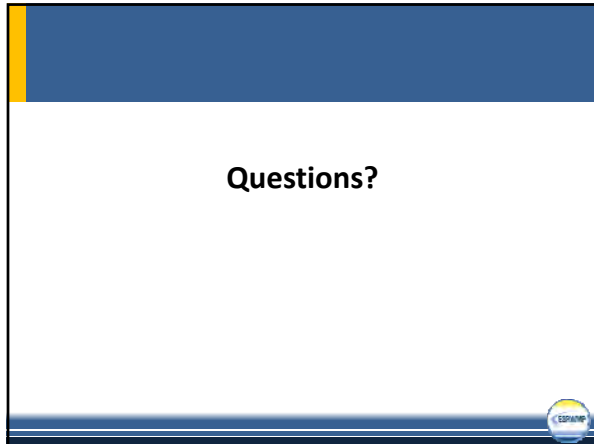
- ESRWMP, Steering Committee, and PAC meetings
- East Stanislaus IRWM website – www.eaststanirwm.org

Contact Information

Jim Alves
 City of Modesto
 209-571-5557
jalves@modestogov.com





4/12/12

IRWMP WORKSHOP SIGN-IN SHEET

	NAME	AGENCY	MAILING ADDRESS	PHONE #	EMAIL ADDRESS
1	Jeremy Dumas	City of Ceres		538-5717	
2	Michael Brinton	Ceres			
3	Jack Doo	Cardozat Assoc		648-4287	
4	Jim Alves	Modesto			javalves@modesto9ca.com
5	Patrick Koopke	Tuolumne River Trust	829 13 th St, Modesto 95354	588-8636	patrick@tuolumne.org
6	Joe Marcotte	Eastside Water District		491-0371	jbm@jbm.com
7	HENRY BENNIAS	KCSD		668 8341	
8	Mike Willett	Patterson		895-8065	mwillett@ci.patterson.ca.us
9	Debbie Lieberstil	Turlock ID		209-888-8428	dcliebers@tdo tid.org
10	Leslie Dumas	RMC			ldumas@rmcwater.com
11	LEE FRENKINS	FPP&P	2816 PARK AVE, MCKINLEY 95350	209 723-2040	lfrenking@fppeng.com
12	Thom Clark	Hughson			
13					
14					
15					
16					
17					
18					
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20					
21					
22					
23					



Meeting Minutes

East Stanislaus Integrated Regional Water Management Plan

Subject: Public Workshop

Prepared By: Leslie Dumas/RMC

Date/Time: April 12, 2012 / 6:00 p.m.

Location: Ceres Community Center
Ceres, CA

Attendees: Jeremy Damas, Mike Brinton (City of Ceres); Jim Alves (City of Modesto); Leslie Dumas, (RMC); Patrick Koepele (Tuolumne River Trust); Joe Marcotte (Eastside Water District); Henry Benavidews(Keyes CSD); Mike Willett (City of Patterson); Debbie Liebersbach (Turlock Irrigation District); Lee Fremming (Fremming Parson and Pecchenino); Thom Clark City of Hughson); Jack Doo/Cardoza & Associates

Project Number: 0080-009

1. Purpose of Meeting

- Provide update on IRWMP development status
- Introduce project solicitation form and website
- Kick-off project solicitation period
- Discuss planning grant application

2. Discussion Summary

- Jim Alves opened the meeting at 6:09 p.m. He introduced himself and asked the group to introduce themselves. Alves gave a summary of the Integrated Regional Water Management Program, the East Stanislaus Region and planning process and the project solicitation process. Alves then facilitated a slide show that was included in the handouts.
- The group of attendees, which included representatives from groups attending for the first time, was invited by Alves to partner with the East Stanislaus IRWM in applying for grant funds. "If you've got water issues, this is the place to be," said Alves.
- Groups he was directly seeking participation from included irrigation districts, environmental groups, counties and disadvantaged communities.
- The following are some questions Alves answered:
 - Patrick Koepele asked why the triangle piece of property directly north of the East Stanislaus Region was not included. Alves said it was not believed to be part of the watershed and so it was not a good fit. He also mentioned the area is sparsely populated and did not share the same water source/concerns as the rest of the region.
 - Debbie Liebersbach asked why the Merced side of the region did not follow the river. Alves replied that the overlap was a result of the ESIRWM region following the Turlock Irrigation District (TID) service area boundary at that location. He noted that the Merced IRWM Region did not have an issue with the two Regions overlapping and that the two regions have agreed to work together on water issues in this overlapping area. Leslie Dumas also pointed out other overlaps that existing between IRWM regions in the State and noted they were not unusual.

- Patrick Koepele asked who makes decisions for the Region. Alves said the Region is a partnership of the four cities: Modesto, Turlock, Ceres and Hughson, and that members from these four regions form the East Stanislaus Regional Water Management Partnership (ESRWMP). Under the ESRWMP are several committees, including the Steering Committee (SC) and Public Advisory Committee (PAC). These committees are where the work is being done. As far as the Steering Committee and the Public Advisory Committee, he said it was best to be on both committees if possible.

- Alves handed the presentation off to Leslie Dumas at 6:38 p.m. She discussed the IRWM planning process and identified issues and conflicts. Dumas also identified the Regional goals, which included goals for:
 - Water supply
 - Flood protection
 - Water Quality
 - Environmental Protection and Enhancement
 - Regional Communication and Cooperation, and
 - Economic and Social Responsibility.She noted projects to be submitted for inclusion in the IRWMP need to address and support at least one of the goals.

- Dumas then also asked for participants to consider and submit projects for inclusion in the IRWM Plan. “We’re here today to identify projects to meet goals. Give me your projects.”

- While a project can be submitted in hard-copy form, Dumas said it was preferred that projects be submitted through the East Stanislaus IRWM website – www.eaststanirwm.org -- as the project will automatically be entered into the organization’s database.

- Dumas also said the ES IRWM region and DWR are looking for projects which touch multiple goals: “double bang for the bucks,” and projects which benefit disadvantaged communities.

- Alves offered to help in completing the application. “Give us a call and we can walk you through it,” he said.

- Joe Marcotte asked, “Help me understand the role of this group? Must we go through this group.” Dumas described further how the IRWM program operates and their overall directive, and noted that if you want funding through the IRWM program, your project must be in an IRWM Plan. But being in the IRWM Plan does not preclude you from seeking funding elsewhere.

- Alves stressed the importance of benefiting disadvantaged communities. Dumas added, if you have a project that enhances a DAC, that puts you to the top of the list in the grant funding arena.

- Patrick Koepele asked who decides what projects are in the plan. Dumas noted that all projects submitted will be in the IRWM Plan, provided they meet the minimum requirements, but that only the strongest projects would be included in grant applications. The scoring system for prioritizing the projects was explained and it was noted that a mix of key factors, including an environmental element and flood protection, were important to a high score. The goal of compiling the grant applications is to put together a package that will score the highest. The right mix was needed to maximize the points.

City of Modesto - Integrated Regional Water Management Planning

Public Workshop Minutes

- It was asked if the Region had a good chance to get Planning Grant funds. Dumas said there was approximately \$13 million in requests, with \$9 million to be funded, so the Region's chances were good.
- The meeting was concluded at 7:45 p.m.

Public Workshop – September 11, 2013

**DECLARATION OF PUBLICATION
(C.C.P. S2015.5)**

**COUNTY OF STANISLAUS
STATE OF CALIFORNIA**

I am a citizen of the United States and a resident Of the County aforesaid; I am over the age of Eighteen years, and not a party to or interested In the above entitle matter. I am a printer and Principal clerk of the publisher of **THE MODESTO BEE**, printed in the City of **MODESTO** , County of **STANISLAUS** , State of California, daily, for which said newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of **STANISLAUS** , State of California, Under the date of **February 25, 1951, Action No. 46453**; that the notice of which the annexed is a printed copy, has been published in each issue there of on the following dates, to wit:

Sep 09, 2013

NOTICE OF PUBLIC MEETING
CITIES OF MODESTO, TURLOCK,
CERES, HUGHSON

PUBLIC MEETING FOR THE DRAFT EAST STANISLAUS INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) PLAN. THE MEETING WILL PRESENT THE DRAFT IRWM PLAN FOR INTEGRATING WATER PROJECTS AND WATER RESOURCE MANAGEMENT AND WILL DISCUSS ITS ADOPTION AND IMPLEMENTATION.

NOTICE IS HEREBY GIVEN that a public meeting will be held by the Cities of Modesto, Turlock, Ceres and Hughson on behalf of the East Stanislaus Regional Water Management Partnership at 6:00 PM on September 11, 2013, at the Ceres Community Center, 2701 Fourth St., Ceres, California, for the purpose of notifying and informing the public about the release of the Public Draft of the East Stanislaus Integrated Regional Water Management.

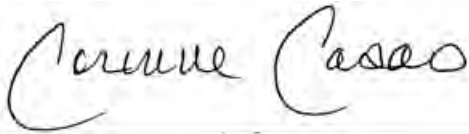
All interested persons are invited to attend the public meeting at the above time and place to learn about and participate in the review of the Draft East Stanislaus Integrated Regional Water Management Plan (IRWMP). This meeting is an opportunity for residents to learn about the State's IRWM Program, to see a presentation summarizing the Draft IRWMP, and to discuss its future implementation to address immediate and long-term water and wastewater needs by both local residents and the environment. A copy of the East Stanislaus IRWMP can be obtained on the project website at <http://www.eaststanirwm.org/documents/>. To request a hard copy of the plan or if you have any questions, please call Jim Alves in the Capital Planning Group of the Utility Planning and Projects Department, City of Modesto at (209) 571-5557 or (TDD) 526-9211, any weekday from 8:00 a.m. to 5:00 p.m.
Pub Dates 9/9/13

I certify (or declare) under penalty of perjury
That the foregoing is true and correct and that
This declaration was executed at

MODESTO, California on

September 9th, 2013

(By Electronic Facsimile Signature)



Carmine Casco

**DECLARATION OF PUBLICATION
(C.C.P. S2015.5)**

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STATE OF CALIFORNIA**

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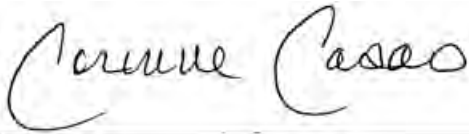
Sep 09, 2013

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(By Electronic Facsimile Signature)



NOTICE OF PUBLIC DRAFT
EAST STANISLAUS INTEGRATED
REGIONAL WATER MANAGEMENT
PLAN

NOTICE IS HEREBY GIVEN that the public draft of the East Stanislaus Integrated Regional Water Management Plan (IRWMP) is available for review. It can be downloaded at the East Stanislaus IRWMP website: <http://www.eaststanirwm.org/Documents/>. To request a hard copy, please contact Jim Alves in the Capital Planning Group of the Utility Planning and Projects Department, City of Modesto at (209) 571-5557 or (TDD) 526-9211, any weekday from 8:00 a.m. to 5:00 p.m.

A public workshop presenting the draft East Stanislaus IRWMP will be held on September 11, 2013 at 6:00 pm at the City of Ceres Community Center, located at 2701 4th Street in Ceres, CA. Comments on the IRWMP are requested by September 30, 2013 via email to jalves@modestogov.com or mailed to: Jim Alves, Utility Planning and Projects Department, P.O. Box 642, Modesto, CA 95353
Pub Dates 09/09/2013

You're invited to a community workshop...

Come hear about the Draft East Stanislaus Integrated Regional Water Management Plan!

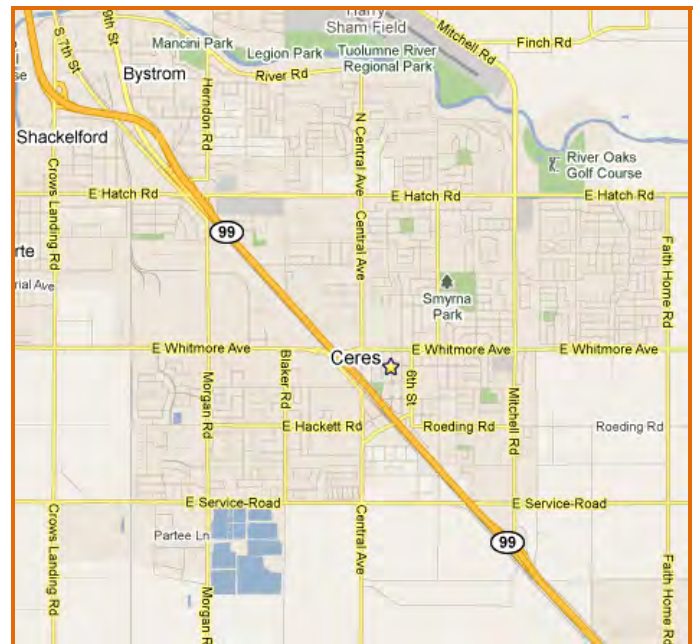
Working together to manage surface and groundwater resources



Snacks and Beverages will be provided!

WHEN: Wednesday, September 11th – 6 p.m.

WHERE: Ceres Community Center
2701 4th Street, Ceres



- Learn about Integrated Regional Water Management Planning
- Hear a presentation on Draft IRWM Plan
- Learn what happens next
- Discuss the future of IRWM planning in the East Stanislaus Region

For more information on the workshop, contact:

Jim Alves
Associate Civil Engineer
City of Modesto
(209) 571-5557 or jalves@modestogov.com

This meeting is sponsored by:



East Stanislaus Regional Water Management Partnership



East Stanislaus Integrated Regional Water Management Plan

Presenters:
 Jim Alves – City of Modesto
 David Richardson & Leslie Dumas – RMC Water and Environment

September 11, 2013



Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- East Stanislaus Region and the Planning Process
- Next Steps



Introductions

- ESRWMP Members
 - City of Modesto
 - City of Hughson
 - City of Ceres
 - City of Turlock
- Consultant
 - RMC Water and Environment

Meeting Agenda

- Introductions
- **Summary of Integrated Regional Water Management Program**
- East Stanislaus Region and Planning Process
- Next Steps




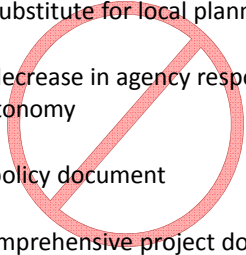
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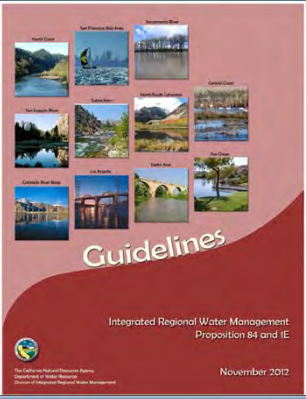
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- Reflect the regional needs
- Maximize benefits through integration of water management strategies
- Leverage regional resources through partnerships
- Be eligible for funding through the IRWM grant program





IRWMPs are prepared to meet DWR's IRWM Guidelines (Nov 2012)



Contributors Include...

- Water and Wastewater Agencies
- Counties
- Cities
- Public Groups
- Private Organizations
- Members of the Public






Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- **East Stanislaus Region and Planning Process**
- Next Steps




East Stanislaus IRWMP Planning Process





Outline of the East Stanislaus IRWMP

<p>Chapter 1 Introduction</p> <p>1.1 IRWMP Overview</p> <p>1.2 Regional Water Management Group</p> <p>1.3 IRWMP Development</p> <p>1.4 IRWMP Adoption</p> <p>Chapter 2 ESRWM Region</p> <p>2.1 Region Description</p> <p>2.2 Water Resource Status</p> <p>Chapter 3 Climate Change</p> <p>3.1 Introduction</p> <p>3.2 Statewide Observation and Projections</p> <p>3.3 Legislative and Policy Context</p> <p>3.4 Regional Climate Change Projections and Impacts</p> <p>3.5 Regional Water Resource Vulnerabilities</p> <p>3.6 Climate Change Adaptation and Mitigation</p> <p>3.7 Plans for Further Data Gathering</p> <p>Chapter 4 ESRWM Governance, Coordination and Outreach</p> <p>4.1 Governance</p> <p>4.2 Stakeholder Involvement and Outreach</p> <p>4.3 Public Forums</p> <p>4.4 Coordination with Other/Neighboring IRWMP</p> <p>4.5 Regions</p> <p>4.5 Coordination with State/Federal Agencies</p>	<p>Chapter 5 Vision, Goals, and Objectives</p> <p>5.1 Regional Conflicts and Issues</p> <p>5.2 Region's Vision for Water Resources Management</p> <p>5.3 Region Goals & Objectives</p> <p>5.4 Resource Management Strategies</p> <p>5.5 Relation to Statewide Priorities</p> <p>5.6 Relation to Regulatory Programs</p> <p>5.7 Relation to Local Water Planning</p> <p>5.8 Relation to Local Flood Control Planning</p> <p>5.9 Relation to Local Land Use Planning</p> <p>Chapter 6 The Projects</p> <p>6.1 Project Solicitation</p> <p>6.2 Project Review and Integration</p> <p>6.3 Project Prioritization</p> <p>6.4.1 Plan Implementation Benefits and Impacts</p> <p>6.4.2 Project/Program Impacts and Benefits</p> <p>Chapter 7 Technical Analysis and Data Management</p> <p>7.1 Technical Analysis</p> <p>7.2 Data Management</p> <p>Chapter 8 Plan Implementation</p> <p>8.1 Implementation Process</p> <p>8.2 Financing Plan</p> <p>8.3 Plan Performance and Monitoring</p> <p>8.4 Plan Updates</p> <p>Chapter 9 References</p>
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Chapter 1 - Introduction




Introduction

- Describes the purpose of the IRWMP
- Introduces the East Stanislaus Regional Water Management Partnership
- Explains that each DWR Plan Standard is addressed
- Lists entities that adopted the IRWMP

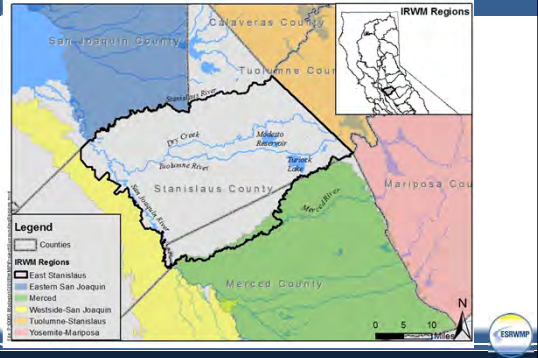
Plan Standard	East Stanislaus IRWMP Chapter to Reference
Governance	3.1, 3.2
Region Description	2.1, 2.2, 2.3
Objectives	4.1, 4.2, 4.3, 4.5
Resource Management	
Strategies	4.4
Integration	5.2
Project Review Process	5.1, 5.2, 5.3
Impacts and Benefits	5.4
Plan Performance and Monitoring	7.1, 7.3, 7.4
Data Management	6.2
Finance	7.2
Technical Analysis	6.1
Relation to Local Water Planning	4.7, 4.8
Relation to Local Land Use Planning	4.9
Stakeholder Involvement	3.2
Coordination	3.3, 3.4
Climate Change	2.3, 5.2



Chapter 2 – ESIRWM Region



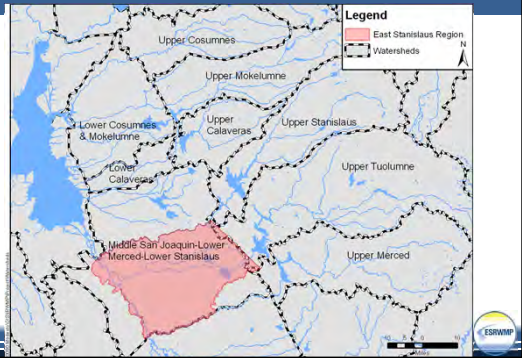
Chapter 2 Describes the Region Boundaries



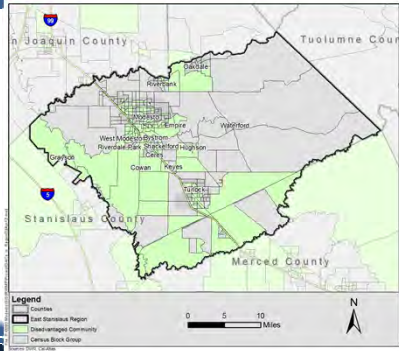
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- Cities of Modesto, Hughson, Turlock, Ceres, Riverbank, Waterford, and Oakdale
- Communities of Keyes, Denair, Del Rio, Riverdale, Grayson, Hickman, Empire, Salida, Hilmar, Delhi, and Keys
- Turlock Irrigation District, Modesto Irrigation District, Eastside Irrigation District, Oakdale Irrigation District, and Merced Irrigation District

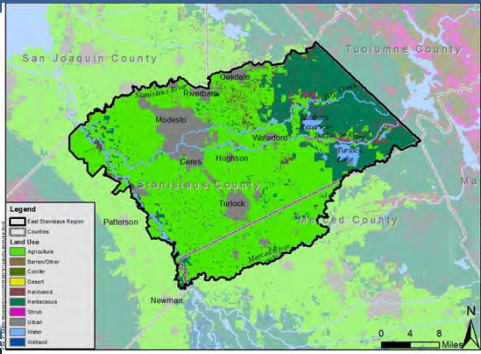
Chapter 2 Describes Characteristics of the Region



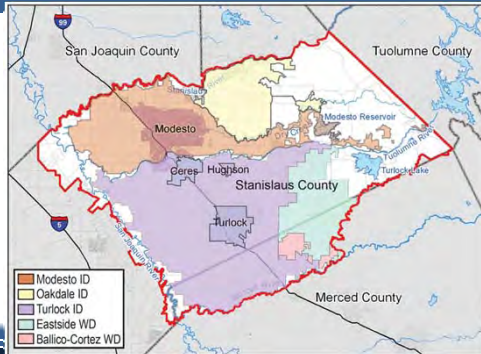
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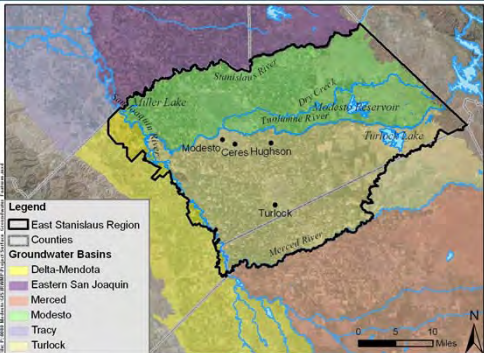
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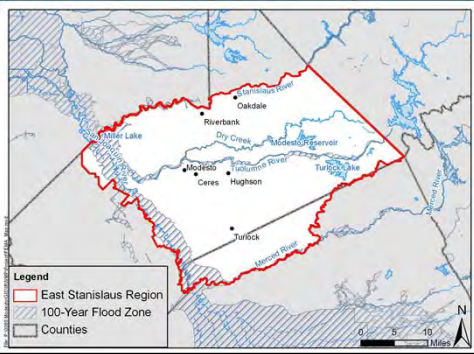
Chapter 2 Describes Characteristics of the Region



Chapter 2 Describes Characteristics of the Region




Chapter 2 Describes Characteristics of the Region



Chapter 2 Summarizes Water, Wastewater, and Recycled Water in the Region

- Water supplies and demands
- Wastewater treatment and collection
- Potential for recycled water use (e.g. North Valley Regional Recycled Water Project)
- Water quality

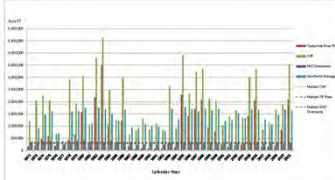
Chapter 3 – Climate Change




Climate change is Adding New Uncertainties to Water Resources Planning

Undiversified water supply portfolio. Water supplies primarily from:

- Modesto and Turlock Subbasins
- Tuolumne River



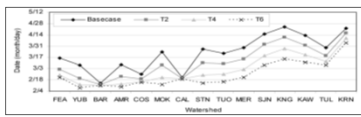

From MID 2012 Agricultural Water Management Plan Update



Climate change is Adding New Uncertainties to Water Resources Planning

Potential Impacts:


- Reduced surface water availability
- Reduced groundwater supply reliability
- Potential increase in groundwater overdraft
- Declining water quality
- Loss of riparian habitat, wetlands and other sensitive natural communities
- Reduced hydroelectric generation capacity

Climate Change Adaptation & Mitigation

Climate adaptation includes:

- **Adaptation strategies** (policies, programs or other actions) that bolster resilience
- **Mitigation strategies** (best management practices or other measures) to reduce GHG emissions.




Adaptation and Mitigation Strategies

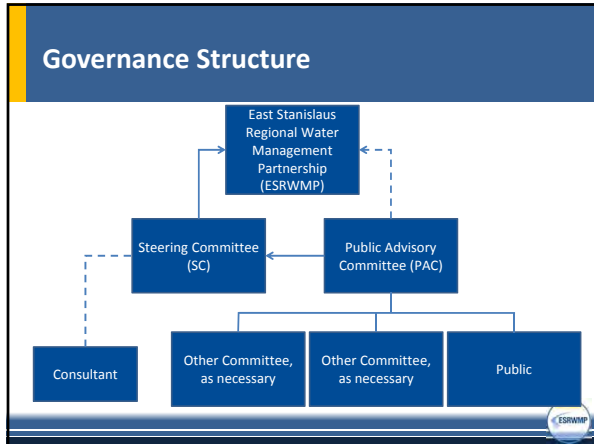
Resource Management Strategies can be applied as climate change adaptation and mitigation strategies:

- Reduce Water Demand
- Improve Operational Efficiency and Transfers
- Increase Water Supply
- Improve Water Quality
- Urban Runoff Management
- Practice Resource Stewardship
- Improve Flood Management



Chapter 4 – Governance, Coordination, and Outreach






ESRWMP and Committees

ESRWMP	Steering Committee	Public Advisory Committee
<ul style="list-style-type: none">• Elected officials from four ESRWMP member agencies• Facilitates communication, cooperation, and education between member agencies• Provides oversight to SC and PAC• Meetings are held as needed	<ul style="list-style-type: none">• Leads preparation and implementation of the IRWMP• ESRWMP members actively managing projects (ESRWMP staff)• Manages contracts, databases, and reporting• Manages budgets and schedules• Conveys PAC recommendations to the ESRWMP	<ul style="list-style-type: none">• Provides input and recommendations to ESRWMP and SC• Open to all• First tier of decision making• Develops project prioritization methodologies• Helps screen, integrate, and rank projects

Chapter 5 – Vision, Goals, and Objectives


Shared Issues and Conflicts

- Water supply reliability
- Drinking water quality
- Water quality protection
- Groundwater overdraft / contamination / recharge
- Protection and enhancement of aquatic, riparian, and watershed resources
- Water-related needs of disadvantaged communities
- Flood protection
- Recycled water use
- Water conservation
- Aging infrastructure



The East Stanislaus Region's IRWM Vision

Integrate projects to provide multiple benefits, resolve identified issues and conflicts, and meet the regional goals and objectives to achieve water reliability and sustainability and flood protection while protecting and enhancing the environment and regional economies and culture.



Identified Regional Goals

Water Supply
Protect existing water supplies and water rights, and improve regional water supply reliability.

Flood Protection
Ensure flood protection strategies are developed and implemented through a collaborative process, utilizing both local and watershed-wide approaches designed to maximize opportunities for comprehensive water resource management.

Water Quality
Protect and improve water quality for beneficial uses consistent with regional interests and the RWQCB Basin Plan in cooperation with local, state and federal agencies and regional stakeholders.



Identified Regional Goals


Environmental Protection and Enhancement
Protect the environmental resources of the Stanislaus, Tuolumne, Merced and San Joaquin River watersheds by identifying, promoting and implementing opportunities to assess, restore and enhance natural resources of these watersheds.

Regional Communication and Cooperation
Implement and promote this IRWM Plan through regional communication, cooperation, and education.

Economic and Social Responsibility
Promote development and implementation of projects, programs and policies that are socially impartial and economically sound.




Chapter 6 – The Projects




Project Solicitation and Prioritization

- Project Solicitation implemented with April 12, 2012 workshop
- Call for Projects closed on June 10, 2012
- 28 projects submitted
 - 2 were combined/integrated
 - 17 denoted 'Ready-to-Proceed' → prioritized
 - 10 denoted 'Conceptual'




Projects that were Prioritized

- SRWA Regional Surface Water Supply Project
- Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection
- Dos Rios Floodplain and Riparian Habitat Restoration
- DAC & Native American Outreach and Technical Assistance
- Non-Potable Water System
- Integrated Stormwater Resources Management and Groundwater Augmentation Plan
- Monterey Park Tract
- Regional Water Needs Assessment
- Municipal Well No. 41
- Water Storage Reservoir NW
- Dennett Dam Removal
- Online Data Management System
- Regional County Island Sewer Connection Study
- Arsenic Mitigation Project
- Regional Surface Water Treatment Plan Pipeline Turnout
- Water Well No. 9
- 7th Street LID Storm Drainage Improvements
- Well No. 9 Arsenic Treatment Facility




Chapter Summarizes Impacts and Benefits from Plan Implementation

- Potential impacts and benefits by project type (e.g., groundwater, conservation, wastewater)
- Impacts and benefits associated with plan implementation at the regional and interregional scales
- Benefits and impacts to Disadvantaged Community (DACs), Environmental Justice-Related Concerns, and Native American Tribal Communities



Chapter 7 – Technical Analysis and Data Management




Prepared Using Sound Technical Documents

- IRWM Plan developed using:
 - Urban Water Management Plans (UWMPs)
 - Water Supply Plans
 - Draft Regional Flood Management Plan
 - EIRs/EISs
 - Feasibility Studies
 - General Plans




Chapter 7 Describes

- Why the information is good for use in developing the IRWM Plan
- Identified data gaps in regional understanding
- Notes no additional focused models or studies were performed
- Identifies recommended additional studies
- Project-specific studies supporting technical feasibility of projects summarized in Table 6-2



Chapter 7 also Addresses Data Management

- Presents list of data that may be collected during plan implementation
- Summarizes Regional data needs
 - Most data gaps are in unincorporated areas
 - Identifies data gaps
 - Summarizes studies to fill data gaps
- Discusses data dissemination – website, meetings and workshops, uploads to state databases
- Describes state database compatibility



Chapter 7 also Addresses Data Management

- Describes data collection and storage
 - What is currently being done
 - Identifies regional data management system (DMS)
 - Individual stakeholders and project proponents responsible for data collection, review, management



Chapter 8 – Plan Implementation

Potential Funding Sources for IRWMP Implementation

- Capacity fees
- User fees and rates
- General or Capital Improvement Funds
- Bonded Debt Service
- Grants
- Low-Interest Loans

Chapter 8 Summarizes:

- Plan performance monitoring
- Individual project proponents do project-specific monitoring plans
- Project-specific monitoring plans submitted to ESRWMP for review
- Outlines ESRWMP role in project performance monitoring
- Describes how data will be used to improve the IRWM Plan



Long-Term Maintenance Activities

Activity	Frequency*
ESRWMP Meetings (financing, regional water resources issues, other)	Quarterly
Project Solicitation, Review, Integration and Prioritization	Annually
Plan and Project Monitoring and Performance	Annually
IRWM Plan Review and Update	Every 5 years
Outreach	Quarterly

*Frequencies identified are **minimum** frequencies




Meeting Agenda

- Introductions
- Summary of Integrated Regional Water Management Program
- East Stanislaus Region
- East Stanislaus IRWM Planning Process
- **Next Steps**




Next Steps

- Finalize and Adopt the IRWMP
- Begin implementation of the IRWMP
- Prepare for Funding Opportunities



Questions?





**East Stanislaus Integrated
Regional Water Management Plan**



Meeting Minutes

East Stanislaus Integrated Regional Water Management Plan

Subject: Public Workshop

Prepared By: Leslie Dumas/RMC
September 11, 2013/6:00 p.m.

Date/Time:

Location: Ceres Community Center
Ceres, CA

Attendees: Mike Brinton (City of Ceres); Jim Alves (City of Modesto); Leslie Dumas & Dave Richardson (RMC); Debbie Liebersbach, Tom Her & Brad Koehn (Turlock Irrigation District); Michael Riddell & Jill Anderson (City of Riverbank); Maria Encinas (City of Patterson); Bryan Whitemyer (City of Oakdale); Julie Rentner (RiverPartners)

Project Number: 0080-009

1. Purpose of Meeting

- Provide overview on Public Draft East Stanislaus Integrated Regional Water Management Plan (ESIRWMP)
- Provide overview of next steps in completing and adopting the IRWMP

2. Discussion Summary

- Jim Alves opened the meeting at 6:07 p.m. He introduced himself and asked the group to introduce themselves. Jim gave a summary of the history of the East Stanislaus Integrated Regional Water Management Program, and then turned the meeting over Dave Richardson. Dave gave an overview of the East Stanislaus Region and planning process. Leslie Dumas then followed Dave in the presentation and summarized key information for each chapter of the draft East Stanislaus IRWMP. Hard copies of the IRWM Highlights document and CDs containing the Draft IRWM Plan were made available to attending stakeholders. Stakeholders were informed that all documents are also available on the IRWM website (eaststanirwm.org) and that Draft Plan comments are due to Jim by the end of September.
- The following are some questions asked during the workshop:
 - Is the County involved? – Jim responded that the County has been invited to participate multiple times, as have other organizations. Jim stated that though some agencies, such as Oakdale and Riverbank, had shown interest and participated early in the process, reduced staffing levels and loss of primary contacts appeared to be the culprits for these agencies not continuing participation, though some communication via email has recently been re-established. For the County, Jim stated the lack of a centralized water resources responsibility appeared to be the main reason that the IRWM has been unsuccessful in attracting a County staff person from any one department to attend meetings and participate at any level. They (the County) have primarily been lacking in staff with primary water resources responsibilities and linked funding to support participation. It was suggested that now would be a good time to revisit the County regarding this program as they have just finished meeting on the proposed groundwater export ordinance. Jim stated that the County is involved with the ongoing Regional Flood Management Plan (RFMP) effort and sees this as a positive and potential tie-in to also becoming active in the IRWM. Jim will also contact Mr. Riddell regarding some contacts with the County.

- Can anyone submit a project? – Jim responded that anyone can submit a project for consideration in the IRWMP. He anticipates that the next call for projects will be in the late winter or early spring of 2014. Leslie noted that the plan has been designed to allow for regular call for projects and updates without requiring the plan to be re-adopted.
 - How does one participate in the IRWMP process? – There are multiple ways to participate in the planning process, including being signatory to the MOU and participating on the East Stanislaus Regional Water management Partnership (the regional water management group), participating on the Public Advisory Committee (PAC) or being a stakeholder and getting information updates and attending the public workshops. It was noted that the PAC includes members of all types, including representatives from a neighboring IRWM region (Mike Willett from Patterson).
 - Joint projects – Jim noted that he is communicating with the adjacent regions and that inter-regional projects, such as the North Valley Regional Recycled Water Project, are definitely welcome. The information regarding the projects just needs to be coordinated between the two regions.
 - Correlation with Regional Flood Management Plan (RFMP) – Leslie noted that the first few draft sections of the RFMP that have been release and were compared with the draft ESIRWMP, and the results were favorable (that is, the draft plan sections correlated). Julie noted that the 100-year flood plain was recently remapped, and that we'll want to update the ESIRWMP to reflect the new work once it was done.
- The meeting was concluded at 8:00 p.m.

Appendix I



**East Stanislaus Integrated Regional Water Management Plan
Project Information Form**



The East Stanislaus Integrated Regional Water Management (IRWM) Planning Region was approved by the California Department of Water Resources (DWR) as an official IRWM planning region on September 1, 2011. The Cities of Modesto, Turlock, Ceres and Hughson signed a memorandum of understanding (MOU) to create the East Stanislaus Regional Water Management Partnership (ESRWMP), and have initiated development of the East Stanislaus Integrated Regional Water Management Plan (IRWMP). We are seeking projects to be included in the East Stanislaus IRWMP.

If you have a project that you would like to be included in the East Stanislaus IRWMP, please complete the following project information form (either in hard copy or electronically online at www.eaststanirwm.org). Project information can be submitted electronically through the ESRWMP IRWM Project Database at the web address above. If you do not have internet access, please mail or hand-deliver one copy of your application to:

Jim Alves
City of Modesto Public Works Department
1010 Tenth Street, Suite 4600
P.O. Box 642
Modesto, CA 95353

For consideration and inclusion in the East Stanislaus IRWMP, project information forms MUST BE submitted by 5:00 P.M. on June 10, 2012.

Form Instructions

Projects submitted for consideration will be separated into three categories: Concept Projects, Preliminary Design Complete, and Ready-to-Proceed (RTP) Projects. RTP Projects consist of projects that are ready or close to being ready for implementation. They can be construction projects, research projects, or studies, but must be developed enough to have detailed budget and schedule information available and most planning, design and environmental documentation (if required) must be complete. Concept Projects are projects that are at a conceptual level and require additional project development before being implementation-ready. Preliminary Design Complete projects are further developed than the Concept Projects, but not yet ready for implementation. Concept Projects, Preliminary Design Complete projects, and RTP Projects will be included in the IRWMP, but Concept Projects will not be considered for inclusion in applications for funding through DWRs IRWM Grant Program.

For Concept Projects, basic project information is necessary, so please fill out Part 1 of this application. For Preliminary Design Complete and RTP Projects, more extensive and complete project information is required, so please fill out both Parts 1 and 2 of this application.

Important Items to Note Regarding Future Grant Funding

- This project solicitation process is for the purpose of compiling projects to be included in the East Stanislaus IRWMP, not for the purpose of applying to DWR for IRWM grant funding at this time.
- Per DWR's IRWM Guidance, all project proponents with projects included in an IRWM grant application must adopt the IRWM Plan.

East Stanislaus Integrated Regional Water Management Plan
Project Information Form



- At this time, DWR anticipates having Round 2, Proposition 84 IRWM Implementation Grant solicitation in the Fall of 2012. In order to be eligible for grant funding, the East Stanislaus IRWMP will likely require adoption; and in order for projects to be eligible for funding, they must be included in the adopted IRWMP.
- Submitting your project for consideration for inclusion in the East Stanislaus IRWMP now will make it eligible for future IRWM grant cycles. However, inclusion of your project in the IRWMP will not guarantee it grant funding.
- Projects submitted for consideration through this project solicitation process will be prioritized; only the top-ranked projects and those meeting required application criteria will likely get submitted for IRWM implementation grant funding. Projects may move up through the ranking process over time as they are further developed or as DWR and/or the East Stanislaus region's goals and objectives, and program preferences change.

Thank you for your participation. If you have questions or comments, please visit our website at <http://www.eaststanirwm.org/> or contact Jim Alves, Associate Engineer at the City of Modesto, at jalves@modestogov.com or (209) 571-55572.



Project Name: [Click here to enter text.](#)

Lead Agency: [Click here to enter text.](#)

Minimum Requirements

If the Proposed Project does not meet the following requirements, it will not be considered for inclusion in the East Stanislaus IRWMP:

- *The Project must be within the boundaries of the East Stanislaus IRWM Planning Region or include part of the East Stanislaus IRWM Planning Region.*
- *The Project must meet at least one of the East Stanislaus Region's Goals & Objectives listed below. Check all that apply.*
- *The Project must fulfill at least one of the DWR's Resource Management Strategies and one of DWR's Statewide Priorities.*

East Stanislaus IRWM Regional Goals and Objectives

Water Supply Goal - To protect existing water supplies and water rights, and improve regional water supply reliability

Water Supply Objectives

- Provide a variety of water supply sources, Including recycled water, to meet all current and future demands (urban, agricultural and the environment) under various hydrologic conditions.
- Protect existing water rights.
- Implement water conservation plans for both urban and agricultural uses.
- Support monitoring and research to improve understanding of water supplies and needs.
- Address conveyance infrastructure needs.

Flood Protection Goal - To ensure flood protection strategies are developed and implemented through a collaborative process, utilizing both local and watershed-wide approaches designed to maximize opportunities for comprehensive water resource management

Flood Protection Objectives

- Develop outlines of regional projects and plans necessary to protect infrastructure from flooding and erosion from the 100-year event.
- Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed.
- Develop approaches for adaptive management that minimizes maintenance requirements and protects water quality and availability while preserving and enhancing ecologic and stream functions, as appropriate.
- Provide community benefits beyond flood protection, such as public access, open space, recreation, agricultural preservation, and economic development.
- Protect, restore, and enhance the natural ecological and hydrologic functions of rivers, creeks, streams and their floodplains.



Water Quality Goal - To protect and improve water quality for beneficial uses consistent with regional interests and the RWQCB Basin Plan in cooperation with local, state and federal agencies and regional stakeholders

Water Quality Objectives

- Meet or exceed all applicable water quality regulatory standards.
- Deliver agricultural water to meet water quality guidelines established by stakeholders.
- Aid in meeting Total Maximum Daily Loads established, or to be established, for the Tuolumne River watershed.
- Protect surface waters and groundwater basins from contamination and threat of contamination.
- Manage existing land uses while preserving or enhancing environmental habitats.
- Minimize impacts from storm water through implementation of Best Management Practices, Low Impact Development or other similar projects.
- Promote programs and projects to reduce the quantity and improve the quality of urban and agricultural runoff.
- Promote and support regional monitoring to further understanding of water quality issues.

Environmental Protection and Enhancement Goal - To protect the environmental resources of the Stanislaus, Tuolumne, Merced and San Joaquin River watersheds by identifying, promoting and implementing opportunities to assess, restore and enhance natural resources of these watersheds

Environmental Protection and Enhancement Objectives

- Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.
- Minimize adverse effects on biological and cultural resources, including riparian habitats, habitats supporting sensitive plant or animal species, and archaeological sites when implementing strategies and projects.
- Identify opportunities for open spaces, trails and parks along creeks and other recreational projects in the watershed to be incorporated with water supply, water quality, or flood protection projects.
- Contribute to the long-term sustainability of agricultural, commercial, industrial, and urban land uses and activity within the basin.
- Identify opportunities to protect, enhance, or restore habitat to the support all watersheds in the Region in conjunction with water supply, water quality, or flood protection projects.
- Support projects to understand, protect, improve and restore the region's ecological resources.



Regional Communication and Cooperation Goal - To implement and promote this IRWM Plan through regional communication, cooperation, and education

Regional Communication and Cooperation Objectives

- Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities.
- Build relationships with State and Federal regulatory agencies and other water forums and agencies to facilitate permitting of water-related projects and ensure continued consistency with state water plans.
- Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies in water management strategies and to maximize benefits from water-related projects.
- Maintain avenues of communication with the general public and offering opportunities to provide feedback on the IRWM and water-related projects through the regional websites and other public forums.
- Identify opportunities for public education about water supply, water quality, flood management, and environmental protection.
- Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.

Economic and Social Responsibility Goal - To promote development and implementation of projects, programs, and policies that are socially impartial and economically sound

Economic and Social Responsibility Objectives

- Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.
- Develop cost-effective multi-benefit projects.
- Consider disproportionate community impacts to ensure environmental justice.
- Maximize economies of scale and governmental efficiencies.
- Protect cultural resources.
- Reduce energy use and/or use of renewable resources where appropriate.

Resource Management Strategies

A Resource Management Strategy (RMS) is a project, program, or policy that helps local agencies and governments manage their water and related resources. Place a check by the RMS that your project employs.

Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

East Stanislaus Integrated Regional Water Management Plan
Project Information Form



Improve Operational Efficiency

- Conveyance – Delta
- Conveyance – Regional/local
- System Reoperation
- Water Transfers

Increase Water Supply

- Conjunctive Management & Groundwater Storage
- Desalination
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage – CALFED
- Surface Storage – Regional/local

Improve Water Quality

- Drinking Water Treatment and Distribution
- Groundwater Remediation/Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Salt and Salinity Management
- Urban Runoff Management

Improve Flood Management

- Flood Risk Management

Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants and Water Pricing)
- Ecosystem Restoration
- Forest Management
- Recharge Area Protection
- Water-Dependent Recreation
- Watershed Management

**East Stanislaus Integrated Regional Water Management Plan
Project Information Form**



Other Strategies

- Crop Idling for Water Transfers
- Dewvaporation or Atmospheric Pressure Desalination
- Fog Collection
- Irrigated Land Retirement
- Rainfed Agriculture
- Waterbag Transport/Storage Technology

Statewide Priorities

Please check all that apply.

- Drought Preparedness
- Use and Reuse Water More Efficiently
- Climate Change Response Actions
- Expand Environmental Stewardship
- Practice Integrated Flood Management
- Protect Surface Water and Groundwater Quality
- Improve Tribal Water and Natural Resources
- Ensure Equitable Distribution of Benefits

Project Info

Project Info

Project Name: [Click here to enter text.](#)

Organization: [Click here to enter text.](#)

Project Location / Coordinates

Latitude: [Click here to enter text.](#)

Longitude: [Click here to enter text.](#)

Contact

Primary Contact

Name: [Click here to enter text.](#)

Agency/Organization: [Click here to enter text.](#)

Title: [Click here to enter text.](#)

Email Address: [Click here to enter text.](#)

Phone Number: [Click here to enter text.](#)

**East Stanislaus Integrated Regional Water Management Plan
Project Information Form**



Secondary Contact

Name: Click here to enter text.

Agency/Organization: Click here to enter text.

Title: Click here to enter text.

Email Address: Click here to enter text.

Phone Number: Click here to enter text.

Description

Description

Project Category: Choose from Dropdown List

Project Type: Choose from Dropdown List

Project Description: Click here to enter text.

Pilot / Demonstration Project: Choose from Dropdown List *If yes, please explain.*

Click here to enter text.

Project Status (% complete): Click here to enter text.

Project Partners

Please list any project partners and their role in the project.

Click here to enter text.

Other Stakeholders

Please list any stakeholders to the project, including the name of the stakeholder and type (e.g. water supply purveyor, wastewater agency, flood control agency, local government, special district, power utility, State/federal/regional agency, school/university, environmental stewardship organization, community/civic organization, agriculture, Native American tribe, disadvantaged community, other).

Click here to enter text.



Benefits

Please select the primary benefit provided by the project. Choose ONLY one.

- 1. Water Supply: Protect existing water supplies and water rights, and improve regional water supply reliability.
- 2. Water Quality: Protect and improve water quality for beneficial uses consistent with regional interests and the RWQCB Basin Plan in cooperation with local, state, and federal agencies and regional stakeholders.
- 3. Environmental Protection and Enhancement: Protect the environmental resources of the Stanislaus, Tuolumne, Merced, and San Joaquin River watersheds by identifying, promoting and implementing opportunities to assess, restore and enhance natural resources of these watersheds.
- 4. Flood Protection: Ensure flood protection strategies are developed and implemented through a collaborative process, utilizing both local and watershed-wide approaches designed to maximize opportunities for comprehensive water resources management.
- 5. Regional Communication and Cooperation: Implement and promote the East Stanislaus IRWM Plan through regional communication, cooperation, and education.
- 6. Economic and Social Responsibility: Promote development and implementation of projects, programs, and policies that are socially impartial and economically sound.

Does your project help the region meet additional benefits? If yes, please describe the benefits as applicable.

Water Supply Benefits: [Click here to enter text.](#)

Water Quality Benefits: [Click here to enter text.](#)

Environmental Benefits: [Click here to enter text.](#)

Flood Management Benefits: [Click here to enter text.](#)

Regional Communication and Cooperation Benefits: [Click here to enter text.](#)

Economic and Social Responsibility Benefits: [Click here to enter text.](#)

Describe any steps taken to provide multiple benefits from your project.

[Click here to enter text.](#)

East Stanislaus Integrated Regional Water Management Plan
Project Information Form



Feasibility

Project Start Date: [Click here to enter a date.](#)

Planning: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Feasibility Study: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

EA/EIR/EIR: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Pre-Project Monitoring: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Design: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Environmental Permits: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Building/Other Permits: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Construction/Implementation: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Post Project Monitoring: Choose from Dropdown List **Estimated Completion:** [Click here to enter a date.](#)

Describe Environmental, Building and Other Permits Required for the Project.

[Click here to enter text.](#)

Cost/Funding

Project Funding

Year Basis for Estimates (2012\$?): [Click here to enter text.](#)

Total Estimated Capital Cost: \$ [Click here to enter text.](#)

Estimated Annual O&M Cost: \$ [Click here to enter text.](#)

Estimated Life of Project: [Click here to enter text.](#)

Replacement Part: [Click here to enter text.](#)

Estimated Replacement Cost: \$ [Click here to enter text.](#)

Year of Replacement: [Click here to enter text.](#)

Replacement Part: [Click here to enter text.](#)

Estimated Replacement Cost: \$ [Click here to enter text.](#)

Year of Replacement: [Click here to enter text.](#)

**East Stanislaus Integrated Regional Water Management Plan
Project Information Form**



Replacement Part: Click here to enter text.

Estimated Replacement Cost: \$ Click here to enter text.

Year of Replacement: Click here to enter text.

Total Estimated Project Cost: \$ Click here to enter text.

Local Funding: \$ Click here to enter text.

Source of Local Funding: Click here to enter text.

Total Cost Funding through Existing Grants: \$ Click here to enter text.

Total Estimated Cost Currently Unfunded: \$ Click here to enter text.

Project Cost Breakdown

Please enter estimated costs. If unknown, please state so.

Land Purchase / Easement	Click here to enter text.
Planning	Click here to enter text.
Design	Click here to enter text.
Environmental Review	Click here to enter text.
Permits	Click here to enter text.
Construction / Implementation	Click here to enter text.
Environmental Mitigation / Compliance	Click here to enter text.
Construction / Project Management	Click here to enter text.
Other	Click here to enter text.
Total	Click here to enter text.

Other Considerations

Disadvantaged Communities (DACs)

A DAC is a community with an annual median household income that is less than 80% of the Statewide annual median household income. Does your project help address critical water supply and water quality needs of DACs within the East Stanislaus Region?

Choose from Dropdown List *If yes, please describe which community(ies), how the project addresses its critical needs, and how the DACs were included in the planning or development of the project.*

Click here to enter text.



Native American Tribal Communities

Does your project help address critical water supply and water quality needs of Native American Tribal Communities within the East Stanislaus Region?

Choose from Dropdown List *If yes, please describe which tribe(s), how the project addresses its critical needs, and how the tribe(s) were included in the planning or development of the project.*

Click here to enter text.

Climate Change / Greenhouse Gas Emission Reduction

Does your project consider and/or address the effects of climate change on the region?

Choose from Dropdown List *If yes, please explain how.* Click here to enter text.

Does your project reduce greenhouse gas emissions?

Choose from Dropdown List *If yes, please explain how and show how much (provide calculation).* Click here to enter text.

Performance, Monitoring, and Data Management

What data will be collected from the project or monitoring of the project? Click here to enter text.

How will the data be disseminated/shared with the region? Click here to enter text.

How will the data be maintained? Click here to enter text.

Technical Feasibility

Is your project technically feasible; please describe? Click here to enter text.

What documents can you provide that demonstrate/document this technical feasibility?
Click here to enter text.

Are there data gaps that require additional studies to develop the project? Click here to enter text.

**East Stanislaus Integrated Regional Water Management Plan
Project Information Form**



If you are submitting a Ready-to-Proceed (RTP) project for consideration for inclusion in the East Stanislaus IRWMP, please be aware of the following as it relates to receiving future grant funding:

1. Conflict of Interest

All participants are subject to State and Federal conflict of interest laws, including business and financial disclosure provisions. Failure to comply will result in a grant application being rejected.

2. Confidentiality

Once a grant application is submitted to DWR, privacy rights and confidentiality protections are waived.

3. Labor Code Compliance

Should grant funding be received from DWR, the entity receiving funding must adopt and enforce a labor compliance program pursuant to California Labor Code §1771.5(b).

4. CEQA/NEPA Compliance

Project funded under the IRWM grant program must be compliant with the California Environmental Quality Act (CEQA). The recipient of grant funds must demonstrate that it is or has a plan to be compliant with all applicable CEQA and National Environmental Policy Act (NEPA) requirements. A schedule of when environmental documents will be completed is required.

5. Monitoring Requirements

Projects that affect water volume and quality shall include a monitoring component that allows the integration of data into State-wide monitoring efforts, including, but not limited to, the Surface Water Ambient Monitoring Program (SWAMP) and the Groundwater Ambient Monitoring and Assessment (GAMA) Program carried out by the State Water Resources Control Board.

6. Groundwater Management Plan Compliance

For groundwater management and recharge projects and for projects with potential groundwater impacts, the applicant or the project proponent responsible for such projects must demonstrate that either:

- They have prepared and implemented a Groundwater Management Plan (GWMP) in compliance with CWC §10753.7
- They participate or consent to be subject to a GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a)
- The Proposal includes development of a GWMP that meets the requirements of CWC §10753.7 which will be completed within 1-year of the grant application submittal date. In the event that a grant solicitation is a 2-step process, DWR will use the due date of the Step 2 application to begin the 1-year compliance period
- They conform to the requirements of an adjudication of water rights in the subject groundwater basin



7. **Local Plan Consistency**

Any watershed protection activities must be consistent with the applicable, adopted, local watershed management plans and the applicable Regional Water Quality Control Plan (Basin Plan) adopted by the Regional Water Quality Control Board.

8. **Requirements for Urban Water Suppliers**

An Urban Water Supplier is a supplier, either publicly or privately owned, that provides water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually (CWC § 10617). Urban water suppliers must comply with the following:

- **Urban Water Management Planning Act Compliance** – Water suppliers who were required by the Urban Water Management Planning Act (CWC § 10610 *et seq.*) to submit an Urban Water Management Plan (UWMP) to DWR must have submitted a complete UWMP to be eligible for IRWM Grant Program funding. Applicants and project proponents that are urban water suppliers and have projects that would receive funding through the IRWM grant program must have a complete UWMP by the time a grant is awarded to be eligible to receive funding.
- **AB1420 Compliance** – AB1420 (Stats. 2007, ch.628) conditions the receipt of a water management grant or loan, including IRWM grant funds and IRWM related water management funding such as SWFM funds, by urban water suppliers on the implementation of California Urban Water Conservation Council (CUWCC) best management practices (BMPs). Urban water suppliers who are applicants or project proponents in a grant application for either funding source must supply additional information as required by DWR’s Water Use and Efficiency Branch (WUEB) <http://www.owue.water.ca.gov/finance/index.cfm>. An urban water supplier may be eligible for a water management grant or loan if it demonstrates that it has or is implementing or scheduling the implementation of BMPs. Urban water suppliers applying to use grant funds for implementation of BMPs must ensure they have submitted all the necessary information per the WUEB instructions.
- **CWC § 529.5 Compliance** - Requires on or after January 1, 2010, any urban water supplier applying for state grant funds for wastewater treatment projects, water use efficiency projects, drinking water treatment projects, or for a permit for a new or expanded water supply, shall demonstrate that they meet the water meter requirements in CWC § 525 *et seq.*

Appendix J



Project Summary (June 2012)

Project Information			
proj_id	1305	1310	1312
proj_creatorName	Clark, Thomas	Casas, Felipe	Alves, Jim
Project Name	Non-Potable Water System	Monterey Park Tract Community Safe Drinking Water Project	SRWA Regional Surface Water Supply Project
Organization	City of Hughson	Monterey Park Tract Community Services District	City of Modesto on behalf of the SRWA
Project Category	Ready to Proceed	Preliminary Design Complete	Preliminary Design Complete
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	<p>This project will reduce the demand on the potable water system by using two existing water wells with water quality issues to irrigate City and Hughson School District turf areas. It will take approximately 54 acres of turf area off of the potable system and instead irrigate the turf areas with water that is currently non-compliant for drinking water. It will supply about 1,500 gallons per minute to these turf areas and reduce the potable water demand by the same amount. This will alleviate the need to treat water from the two wells to drinking water standards. In addition to the treatment avoidance savings, which benefits all users of the potable water system, the non-potable water will be priced at substantially reduced rates, benefiting school district and parks department expenditures, which ultimately saves money for residents.</p> <p>Work is mainly underground distribution piping to turf areas with some modification to existing wells.</p>	<p>The project will construct a connection between the City of Ceres water system and the Monterey Park Tract water system. The project will provide a source of safe source of drinking water for the residents of Monterey Park Tract.</p>	<p>This project consists of a new 29 mgd water treatment plant and downstream transmission mains that would treat surface water supplied from the TID via the Tuolumne River to the proposed treatment plant site near Fox Grove. An Infiltration Gallery in the Tuolumne River has already been constructed by the TID. A pump station would be constructed to convey water from the infiltration gallery to the proposed treatment plant and treated water would be conveyed via transmission mains to the City's of Modesto, Ceres and Turlock, providing a conjunctive use strategy and reducing reliance on groundwater sources. The project is proposing an intertie transmission pipe between the existing MID transmission main, located north of Greer Road, to the proposed SRWA facilities to strengthen reliability for water customers through an ability to convey treated water from one water system to the other in the instance that either the MID or SRWA treatment plants are off line for any reason.</p>
Pilot/Demonstration Project			
Project Status (% complete)	100		25
Project Coordinates_Lat	37.600344	37.526284	37.616611
Project Coordinates_Lng	-120.853007	-121.010335	-120.840597
Map Area	Photo of City and Turf Areas 4-13-12.pdf	polygon_drawn_1337282208467.kml	polygon_drawn_1338312144372.kml
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources	✓	✓	✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			✓
Protect existing water rights			✓
Implement water conservation plans for both urban and agricultural uses			
Support monitoring and research to improve understanding of water supplies and needs			
Address conveyance infrastructure needs	✓	✓	✓
Flood Protection Objectives			

Project Summary

Project Information			
proj_id	1305	1310	1312
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements			
Provide community benefits beyond flood protection			
Protect/ restore/ and enhance the natural ecological and hydrologic functions			✓
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards	✓	✓	✓
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination			✓
Manage existing land uses while preserving or enhancing environmental habitats			
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			
Promote and support regional monitoring to further understanding of water quality issues			✓
Environmental Protection and Enhancement Objectives			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			✓
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin	✓	✓	✓

Project Summary

Project Information			
proj_id	1305	1310	1312
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			✓
Support projects to understand/ protect/ improve and restore the region's ecological resources			
Regional Communication and Cooperation Objectives			
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.			✓
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			
Build relationships with State and Federal regulatory agencies and other water forums and agent			✓
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an			✓
Maintain avenues of communication with the general public and offering opportunities to provide			✓
Identify opportunities for public education about water supply/ water quality/ flood management			✓
Economic and Social Responsibility Objectives			
Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.		✓	✓
Develop cost-effective multi-benefit projects.	✓		✓
Consider disproportionate community impacts to ensure environmental justice.		✓	
Maximize economies of scale and governmental efficiencies.		✓	✓
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.			
Resource Management Strategies			
Reduce Water Demand	Urban Water Use Efficiency	Urban Water Use Efficiency	

Project Summary

Project Information			
proj_id	1305	1310	1312
Improve Operational Efficiency and Transfers	System Reoperation	Water Transfers	
Increase Water Supply	Recycled Municipal Water		Conjunctive Management & Groundwater Storage
Improve Water Quality	Matching Quality to Use	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution
Improve Flood Management			
Practice Resource Stewardship	Economic Incentives (Loans, Grants, and Water Pricing)		
Other Strategies			
Statewide Priorities			
Statewide Priorities	Use and Reuse Water More Efficiently	Use and Reuse Water More Efficiently	Drought Preparedness,Climate Change Response Actions,Expand Environmental Stewardship
Project Benefits			
Primary Benefit	Water Supply	Water Quality	Water Supply
Explanation of Primary Benefit	Reduces demand on the potable water system and avoids costly water treatment.	The current water supplied by the Monterey Park Tract CSD exceeds the maximum contaminant levels(MCL) for nitrates and arsenic, and the secondary MCLs for manganese and total dissolved solids. The project will result in a source of water, for the Monterey Park Tract water system, that meets MCL standards.	Project would provide a higher quality and more reliable water source in addition to practicing conjunctive water use strategies by utilizing a secondary water source to groundwater supply which, diversifies urban water supplies.
Water Supply Benefits		The project will provide a dependable supply of potable water for Monterey Park Tract residents.	Use of new water supply from TID reduces the amount of groundwater extraction by urban users, thus preserving this resource for other users of the aquifer as well as providing some drought contingency through passive groundwater banking.

Project Summary

Project Information			
proj_id	1305	1310	1312
Water Quality Benefits	Frees up capital funding for treatment of constituents in other City water wells. Hughson is currently under a Cease and Desist Order from the State to stop supplying water with high arsenic levels.		Surface water supplies are generally of better quality than groundwater sources and with treatment of the TID water sources a more reliable quality of water can be obtained for urban users than is available from groundwater sources.
Environmental Benefits			The project would allow the TID to pursue it's desire to convey up to 100 cfs of surface water down the Tuolumne River thus providing benefits to river fisheries and other uses upstream of the existing Infiltration Gallery near Fox Grove.
Flood/Stormwater Management Benefits			
Community Stewardship Benefits	Real cost savings to residents and Hughson Unified School District		

Project Summary

Project Information			
proj_id	1305	1310	1312
Steps to be taken to Provide multiple benefits	Water treatment cost avoidance while providing turf irrigation with higher quality water than surface water (weed free).		
Feasibility			
Project Start Date		9/1/2011	
Planning Status	N/A	Completed	In Progress
Estimated Date of Completion			2013
Feasibility Status	N/A	Completed	Completed
Estimated Date of Completion			2006
Environmental Assessment Status	N/A	In Progress	Completed
Estimated Date of Completion		8/31/2012	2006
Pre-Project Monitoring Status	N/A	Not Started	Completed
Estimated Date of Completion			2000
Design Status	Completed	Not Started	In Progress
Estimated Date of Completion		11/21/2012	2014
Environmental Permits Status	N/A	Not Started	In Progress
Estimated Date of Completion		11/30/2012	2013
Building/Order Permits Status	N/A	Not Started	Not Started
Estimated Date of Completion			2016
Construction/Implementation Status	Not Started	Not Started	Not Started
Estimated Date of Completion		6/30/2014	2018
Post Project Monitoring Status	N/A	Not Started	Not Started
Estimated Date of Completion			2019
Describe Environmental Permits Required for the Project		The project will require at most a mitigated Negative Declaration as work will take place in existing county right-of-ways.	A permit was obtained for construction of the Infiltration Gallery within the Tuolumne River and which was completed in 2001. A permit to operate the Treatment Plant will be required prior to plant operation.
Describe Other Permits (e.g./ Encroachment/ Building) Required for the Project			Encroachment permits on County and City rights of way will be required for construction of transmission mains to Modesto, Ceres and Turlock. Building permits will be required for construction of the water treatment plant.
Project Workplan/Schedule			

Project Summary

Project Information			
proj_id	1305	1310	1312
Planning Documents	NOE non-potable.v1.pdf		
Project Costs			
Total Project Cost	\$440,000	\$2,245,969	\$150,000,000
Local Funded	\$65,000		
Funded through existing grants		\$2,220,269	
Currently Unfunded	\$375,000	\$25,700	\$150,000,000
Project Cost Breakdown			
Land Purchase/Easement		\$50,000	\$1,500,000
Planning Cost			\$2,100,000
Project Design Cost	\$40,000		\$10,000,000
Environmental Review Cost			\$375,000
Permits Cost			\$25,000
Construction/Implementation Cost	\$375,000	\$1,348,600	\$120,000,000
Environmental Mitigation/Compliance Cost			\$1,000,000
Construction/Project Management Cost	\$25,000	\$289,949	\$15,000,000
Other Cost		\$557,420	
Specify Other Cost		City capacity fees, bridge loan fees and interest, city water installation, and contingency	
Total Cost	\$440,000	\$2,245,969	\$150,000,000
Other Considerations			
Disadvantaged Communities			
Address Critical Water Supply and Water Quality Needs	No	Yes	Yes
Explain how the project addresses critical water supply and water quality needs		The project will help Monterey Park Tract, a DAC, pursue a project to obtain safe drinking water. The current water source does not meet safe drinking water MCLs.	Project would provide a new water supply to the Cities of Modesto (specifically South Modesto), Turlock, and Ceres which have disadvantage areas and communities within their existing City Limits, General Plan Areas and SOI's.
What Community		Monterey Park Tract	
How were the DACs included in the planning or development of the project?		Monterey Park Tract CSD is the lead agency in the project	The DAC's are included in the IRWM outreach efforts under which this project has been submitted.
Native American Tribal Communities			
Address critical water supply and quality needs of Native American Tribal	No		No
Explain how address critical water supply and quality needs of Native American Tribal			

Project Summary

Project Information			
proj_id	1305	1310	1312
What tribe(s)?			
How were the tribe(s) included in the planning or development of the project?			Native American tribes have been contacted as part of the IRWM Regional Plan effort and encouraged to participate which includes the solicitation, ranking and prioritizing of projects.
Climate Change/Greenhouse Gas Emissions Reduction			
Does (will) your project consider and/or address the effects of climate change on the region?	No	No	Yes
How does (will) your project consider and/or address the effects of climate change on the region?			Through the EIR documentation process.
Does (will) your project reduce greenhouse gas emissions?	Yes	Yes	No
How does (will) your project reduce greenhouse gas emissions?	Reduces electrical generation needs by eliminating water treatment at well heads.	Currently, Monterey Park Tract residents must drive to the City of Ceres to purchase drinking water. Construction of this project will reduce the driving that Monterey Park Tract residents must do to obtain drinking water.	
Performance, Monitoring and Data Management			
What data will be collected from the project or monitoring of the project?		Water quality and water usage	As part of the treatment plant design and operation a variety of raw and treated water quality data will be collected.
How will the data be disseminated/shared with the region?		Reports	
How will the data be maintained?		District staff will take monthly water usage readings and compare to past water usage. Water quality analysis will occur as required by State.	Data will be analyzed, stored and reported to the State as necessary.
Project Contact Information			
Primary Contact Name	Thom Clark	Francisco Diaz	Jim Alves
Primary Contact Agency	City of Hughson	Monterey Park Tract Community Services District	City of Modesto
Primary Contact Title	Community Development Director	Board President	Associate Civil Engineer
Primary Contact Email	tclark@hughson.org	diaz_f4@hotmail.com	jalves@modestogov.com
Primary Contact Phone	(209) 883-0811 Ext:	(209) 499-1113 Ext:	(209) 571-5557 Ext:
Secondary Contact Name	Bryan Whitemyer	Felipe Casas	Dan Madden
Secondary Contact Agency/Organization	City of Hughson	Self-Help Enterprises	City of Turlock
Secondary Contact Title	City Manager	Community Development Specialist	Municipal Services Director
Secondary Contact Email	bwhitemyer@hughson.org	felipec@selfhelpenterprises.org	DMadden@turlock.ca.us
Secondary Contact Phone	(209) 883-4055 Ext:	(559) 802-1688 Ext:	(209) 668-5599 Ext: 4401
Project Partners	Hughson Unified School District - Has signed ten-year agreement to use the potable water system to irrigate District turf areas.	Monterey Park Tract Community Services District - Lead Agency, City of Ceres - Will provide water to Monterey Park Tract CSD.	City of Turlock - SRWA Joint Powers Authority Member, City of Ceres - SRWA Joint Powers Authority Member, City of Modesto - SRWA Joint Powers Authority Member

Project Summary

Project Information			
proj_id	1305	1310	1312
Other Stakeholders			
Stakeholder Outreach Description			The City of Hughson is a stakeholder as a potential future partner and customer of treated water.

Project Summary

Project Information			
proj_id	1325	1328	1331
proj_creatorName	Strand, William	Clark, Thomas	Clark, Thomas
Project Name	Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project	Water Well No. 9	7th Street Low Impact Development (LID) Storm Drainage Improvements
Organization	City of Modesto	City of Hughson	City of Hughson
Project Category	Ready to Proceed	Preliminary Design Complete	Preliminary Design Complete
Project Type	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply	Infrastructure - Stormwater/Flood Management
Project Description	<p>The project uses LID Techniques to convey storm water to Garrison Park, provide water quality treatment, infiltrate stormwater, and recharge the groundwater aquifer. The project will reduce stormwater flows to the wastewater treatment plant, the number of Sanitary Sewer Overflows, and improve water quality for Dry Creek, and the Lower Tuolumne River (303d water bodies).</p> <p>Located in the fully developed northwest portion of Modesto which has no positive storm drainage system, the project is a cost effective and LID Alternative to constructing detention basins in undeveloped portions of the city and constructing miles of storm drains. Twenty failed dry wells and three sanitary sewer cross connections will be removed. A centralized water quality device will be used to treat stormwater prior to infiltration in a 6.8 acre foot underground retention system. The project renovates the highly utilized park with a new baseball field, multipurpose field, basketball court, and site furnishings.</p>	<p>Construction of a 1,200 gallon per minute municipal water well, including all necessary appurtenances such as pumping, piping, and emergency power. This well is intended to be used in conjunction with a major municipal water blending facility.</p>	<p>Construct Low Impact Development storm water facility on existing street with inadequate drainage facilities and no outlet to detention/retention basin. Project will avoid the need for a basin, thereby avoiding conversion of farmland for that purpose.</p>
Pilot/Demonstration Project			
Project Status (% complete)	100		
Project Coordinates_Lat	37.665707	37.587745	37.594172
Project Coordinates_Lng	-121.023363	-120.867763	-120.860939
Map Area	polygon_drawn_1337798884563.kml	polygon_drawn_1338917674223.kml	polygon_drawn_1337814282896.kml
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources		✓	
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			
Protect existing water rights			
Implement water conservation plans for both urban and agricultural uses			
Support monitoring and research to improve understanding of water supplies and needs			
Address conveyance infrastructure needs			
Flood Protection Objectives			

Project Summary

Project Information			
proj_id	1325	1328	1331
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed	✓		✓
Develop approaches for adaptive management that minimizes maintenance requirements			
Provide community benefits beyond flood protection			✓
Protect/ restore/ and enhance the natural ecological and hydrologic functions			
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards		✓	
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination			
Manage existing land uses while preserving or enhancing environmental habitats			
Minimize impacts from storm water			✓
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhancement			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin			

Project Summary

Project Information			
proj_id	1325	1328	1331
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			
Support projects to understand/ protect/ improve and restore the region's ecological resources			
Regional Communication and Cooper			
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.			
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			
Build relationships with State and Federal regulatory agencies and other water forums and agent			
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an			
Maintain avenues of communication with the general public and offering opportunities to provide			
Identify opportunities for public education about water supply/ water quality/ flood management			
Economic and Social Responsibility O			
Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.	✓		
Develop cost-effective multi-benefit projects.			
Consider disproportionate community impacts to ensure environmental justice.			
Maximize economies of scale and governmental efficiencies.			
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.			✓
Resource Management Strategies			
Reduce Water Demand			

Project Summary

Project Information			
proj_id	1325	1328	1331
Improve Operational Efficiency and Transfers			
Increase Water Supply			
Improve Water Quality		Drinking Water Treatment and Distribution	
Improve Flood Management	Flood Risk Management		Flood Risk Management
Practice Resource Stewardship			Land Use Planning
Other Strategies			
Statewide Priorities			
Statewide Priorities	Practice Integrated Flood Management	Use and Reuse Water More Efficiently	Practice Integrated Flood Management
Project Benefits			
Primary Benefit	Water Quality	Water Supply	Flood Protection
Explanation of Primary Benefit	The project removes stormwater to sewer cross connections which Wastewater Master Plan has identified as causing the sewer system to surcharge leading to SSO's. This project will remove three sanitary sewer cross connections.		
Water Supply Benefits	Recharges aquifer with water currently being conveyed to the wastewater treatment plan.		

Project Summary

Project Information			
proj_id	1325	1328	1331
Water Quality Benefits			
Environmental Benefits			
Flood/Stormwater Management Benefits	Reduces street flooding, removes suspended sediment.		
Community Stewardship Benefits		Will reduce rate payer costs by eliminating water treatment facility requirements, once connected to the blending facility.	Avoids unnecessary conversion of farmland to urban stormwater retention basin use.

Project Summary

Project Information			
proj_id	1325	1328	1331
Steps to be taken to Provide multiple benefits	The projects rehabilitates the baseball field and turf areas of Garrison Park which are in poor shape. The Parks Department currently does not have funds to rehabilitate the park.		
Feasibility			
Project Start Date			
Planning Status	Completed	Completed	N/A
Estimated Date of Completion			
Feasibility Status	Completed	N/A	N/A
Estimated Date of Completion			
Environmental Assessment Status	Completed	N/A	N/A
Estimated Date of Completion			
Pre-Project Monitoring Status	Completed	N/A	N/A
Estimated Date of Completion			
Design Status	Completed	Not Started	Not Started
Estimated Date of Completion		4/15/2013	10/30/2013
Environmental Permits Status	Completed	N/A	N/A
Estimated Date of Completion			
Building/Order Permits Status	Not Started	N/A	N/A
Estimated Date of Completion			
Construction/Implementation Status	Not Started	Not Started	Not Started
Estimated Date of Completion		9/15/2014	4/15/2013
Post Project Monitoring Status	Not Started	N/A	N/A
Estimated Date of Completion			
Describe Environmental Permits Required for the Project	The project is identified in the City of Modesto Wastewater Master Plan EIR (SCH No. 2006052076)		No environmental permits required. Categorical exemption applies to existing street.
Describe Other Permits (e.g./ Encroachment/ Building) Required for the Project	Grading Permit, Encroachment Permit		None required.
Project Workplan/Schedule	Modesto Area 2 - Schedule.pdf		

Project Summary

Project Information			
proj_id	1325	1328	1331
Planning Documents	Final_PDR_Modesto_Area_2_reduced.pdf		
Project Costs			
Total Project Cost	\$3,203,020	\$825,000	\$380,000
Local Funded	\$203,020	\$200,000	\$50,000
Funded through existing grants			
Currently Unfunded	\$3,000,000	\$805,000	\$330,000
Project Cost Breakdown			
Land Purchase/Easement			
Planning Cost			
Project Design Cost		\$125,000	\$60,000
Environmental Review Cost			
Permits Cost		\$10,000	
Construction/Implementation Cost	\$2,562,416	\$600,000	\$300,000
Environmental Mitigation/Compliance Cost			
Construction/Project Management Cost	\$640,064	\$80,000	\$20,000
Other Cost		\$10,000	
Specify Other Cost			
Total Cost	\$3,202,480	\$825,000	\$380,000
Other Considerations			
Disadvantaged Communities			
Address Critical Water Supply and Water Quality Needs	Yes		
Explain how the project addresses critical water supply and water quality needs	Reducing SSO's in a DAC.		
What Community	Census Tract 14 in Stanislaus County.		
How were the DACs included in the planning or development of the project?	Project is completely within the DAC. Two public workshops have been held.		
Native American Tribal Communities			
Address critical water supply and quality needs of Native American Tribal	No		
Explain how address critical water supply and quality needs of Native American Tribal			

Project Summary

Project Information			
proj_id	1325	1328	1331
What tribe(s)?			
How were the tribe(s) included in the planning or development of the project?			
Climate Change/Greenhouse Gas Emissions			
Does (will) your project consider and/or address the effects of climate change on the region?	Yes		
How does (will) your project consider and/or address the effects of climate change on the region?	Reduces the amount of stormwater being treated by the wastewater treatment plant.		
Does (will) your project reduce greenhouse gas emissions?	Yes		Yes
How does (will) your project reduce greenhouse gas emissions?	Reduces the amount of stormwater being treated by the wastewater treatment plant, reducing energy demands.		Eliminates the need for storm water pumping, thereby eliminating electrical use.
Performance, Monitoring and Data Management			
What data will be collected from the project or monitoring of the project?	Pre and post project: SSO's, stormwater maintenance, first flush grab samples of water upstream of system catch basins.		
How will the data be disseminated/shared with the region?	Annual Report.		
How will the data be maintained?	Updated annually.		
Project Contact Information			
Primary Contact Name	David Felix	Thom Clark	Thom Clark
Primary Contact Agency	City of Modesto	City of Hughson	City of Hughson
Primary Contact Title	Project Manager	Community Development Director	Community Development Director
Primary Contact Email	dfelix@modestogov.com	tclark@hughson.org	tclark@hughson.org
Primary Contact Phone	(209) 571-5801 Ext:	(209) 883-4054 Ext:	(209) 883-4054 Ext:
Secondary Contact Name	William Wong	Bryan Whitemyer	Bryan Whitemyer
Secondary Contact Agency/Organization	City of Modesto	City of Hughson	City of Hughson
Secondary Contact Title		City Manager	City Manager
Secondary Contact Email	wwong@modestogov.com	bwhitemyer@hughson.org	bwhitemyer@hughson.org
Secondary Contact Phone	(209) 571-5801 Ext:	(209) 883-4054 Ext:	(209) 883-4054 Ext:
Project Partners			

Project Summary

Project Information			
proj_id	1325	1328	1331
Other Stakeholders			
Stakeholder Outreach Description	<p>A public open house was held during the Preliminary Design Phase at Fremont Elementary School (1220 W. Orangeburg Ave.) on August 27, 2009.</p> <p>A public open house for Phase 1 design was held December 8, 2010 at Garrison Elementary School (1811 Teresa St.).</p>		

Project Summary

Project Information			
proj_id	1334	1335	1338
proj_creatorName	Cooke, Michael	Cooke, Michael	Clark, Thomas
Project Name	Municipal Well #41	Water Storage Reservoir NW	Well No. 9 Arsenic Treatment Facility
Organization	City of Turlock	City of Turlock	City of Hughson
Project Category	Preliminary Design Complete	Preliminary Design Complete	Preliminary Design Complete
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	To install a new municipal supply well to address water needs in the recently annexed West Turlock area and in the developing Turlock Regional Industrial Park.	To install a new one million gallon above ground water storage reservoir to address water needs in the recently annexed West Turlock area and in the developing Turlock Regional Industrial Park.	This project will treat ground water from future Well No. 9 to eliminate arsenic and connect the well to a centralized blending facility to ensure water quality meets State standards. The treatment process includes a polymer mixing tank, solids discharge tank, and necessary appurtenances to complete the treatment process and connect piping to the blending facility located at another site.
Pilot/Demonstration Project			
Project Status (% complete)	90	35	15
Project Coordinates_Lat	37.506594	37.506798	37.587745
Project Coordinates_Lng	-120.898361	-120.894928	-120.867999
Map Area			polygon_drawn_1337903887886.kml
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources	✓	✓	
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft		✓	
Protect existing water rights	✓	✓	
Implement water conservation plans for both urban and agricultural uses		✓	
Support monitoring and research to improve understanding of water supplies and needs		✓	
Address conveyance infrastructure needs		✓	
Flood Protection Objectives			

Project Summary

Project Information			
proj_id	1334	1335	1338
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements			
Provide community benefits beyond flood protection			
Protect/ restore/ and enhance the natural ecological and hydrologic functions			
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards	✓	✓	✓
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination	✓	✓	
Manage existing land uses while preserving or enhancing environmental habitats			
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhancement			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin	✓	✓	✓

Project Summary

Project Information			
proj_id	1334	1335	1338
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			
Support projects to understand/ protect/ improve and restore the region's ecological resources			
Regional Communication and Cooper			
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.			
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			
Build relationships with State and Federal regulatory agencies and other water forums and agent		✓	
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an		✓	
Maintain avenues of communication with the general public and offering opportunities to provide		✓	
Identify opportunities for public education about water supply/ water quality/ flood management		✓	
Economic and Social Responsibility O			
Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.	✓	✓	
Develop cost-effective multi-benefit projects.	✓	✓	
Consider disproportionate community impacts to ensure environmental justice.			
Maximize economies of scale and governmental efficiencies.	✓	✓	
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.		✓	
Resource Management Strategies			
Reduce Water Demand	Urban Water Use Efficiency	Urban Water Use Efficiency	

Project Summary

Project Information			
proj_id	1334	1335	1338
Improve Operational Efficiency and Transfers	Conveyance Regional/Local	Conveyance Regional/Local	
Increase Water Supply	Conjunctive Management & Groundwater Storage	Conjunctive Management & Groundwater Storage, Surface Storage Regional/Local	
Improve Water Quality	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution
Improve Flood Management			
Practice Resource Stewardship	Land Use Planning	Land Use Planning	
Other Strategies			
Statewide Priorities			
Statewide Priorities	Drought Preparedness, Use and Reuse Water More Efficiently, Protect Surface Water and Natural Resources, Ensure Equitable Distribution of Benefits	Drought Preparedness, Use and Reuse Water More Efficiently	Use and Reuse Water More Efficiently
Project Benefits			
Primary Benefit	Water Supply	Water Supply	Water Quality
Explanation of Primary Benefit	Provides an additional source of water supply for the City of Turlock and ensures the use of drinking water that complies with all federal and state drinking water standards. This will allow for the closure of individual shallow wells that supply water to some of the area's residents.	Provides additional reliability of water supply for the City of Turlock and ensures the use of drinking water that complies with all federal and state drinking water standards. This will allow for the closure of individual shallow wells that supply water to some of the area's residents.	
Water Supply Benefits	Provides an additional source of water supply for the City of Turlock and ensures the use of drinking water that complies with all federal and state drinking water standards. This will allow for the closure of individual shallow wells that supply water to some of the area's residents.	Improves reliability of water supply for the City of Turlock and ensures the use of drinking water that complies with all federal and state drinking water standards. This will allow for the closure of individual shallow wells that supply water to some of the area's residents. Will also improve water distribution pressure to aid in fire suppression.	

Project Summary

Project Information			
proj_id	1334	1335	1338
Water Quality Benefits	Provides an additional source of water supply for the City of Turlock and ensures the use of drinking water that complies with all federal and state drinking water standards. This will allow for the closure of individual shallow wells that supply water to some of the area's residents.	Improves reliability for additional source of water supply for the City of Turlock and ensures the use of drinking water that complies with all federal and state drinking water standards. This will allow for the closure of individual shallow wells that supply water to some of the area's residents.	
Environmental Benefits			
Flood/Stormwater Management Benefits			
Community Stewardship Benefits			

Project Summary

Project Information			
proj_id	1334	1335	1338
Steps to be taken to Provide multiple benefits	The project will allow for the closure of an agricultural well on the property as well as allow for other properties in the area to connect to the municipal water supply. Further, area industries will have a supply of water for food processing and fire suppression.	The project will allow for the closure of an agricultural well on the property as well as allow for other properties in the area to connect to the municipal water supply. Further, area industries will have a supply of water for food processing and fire suppression.	
Feasibility			
Project Start Date	5/7/2012	5/7/2012	
Planning Status	Completed	Completed	Completed
Estimated Date of Completion	3/1/2012	3/1/2012	
Feasibility Status		In Progress	N/A
Estimated Date of Completion	7/31/2012	7/31/2012	
Environmental Assessment Status	In Progress	In Progress	N/A
Estimated Date of Completion	7/31/2012	7/31/2012	
Pre-Project Monitoring Status	Not Started	In Progress	N/A
Estimated Date of Completion	6/30/2012	6/30/2012	
Design Status	In Progress	In Progress	N/A
Estimated Date of Completion	10/31/2012	10/31/2012	
Environmental Permits Status	In Progress	In Progress	N/A
Estimated Date of Completion	10/31/2012	10/31/2012	
Building/Order Permits Status	Not Started	Not Started	N/A
Estimated Date of Completion	12/3/2012	12/3/2012	
Construction/Implementation Status	Not Started	Not Started	Not Started
Estimated Date of Completion	6/3/2013	6/3/2012	1/30/2015
Post Project Monitoring Status	Not Started	Not Started	N/A
Estimated Date of Completion	9/6/2013	9/6/2012	
Describe Environmental Permits Required for the Project	California DPH requires an Initial Study and a Negative Declaration.	California DPH requires an Initial Study and a Negative Declaration.	
Describe Other Permits (e.g./ Encroachment/ Building) Required for the Project	California DPH must approve Application for a Domestic Water Supply Permit Amendment. As a public works project, the City Engineer will oversee design and construction.	California DPH must approve Application for a Domestic Water Supply Permit Amendment. As a public works project, the City Engineer will oversee design and construction.	
Project Workplan/Schedule			

Project Summary

Project Information			
proj_id	1334	1335	1338
Planning Documents			
Project Costs			
Total Project Cost	\$1,500,000	\$4,500,000	\$3,595,000
Local Funded	\$500,000	\$1,000,000	\$250,000
Funded through existing grants			
Currently Unfunded	\$1,000,000	\$3,500,000	\$3,345,000
Project Cost Breakdown			
Land Purchase/Easement	\$35,000	\$35,000	
Planning Cost	\$10,000	\$20,000	
Project Design Cost	\$200,000	\$600,000	
Environmental Review Cost	\$10,000	\$10,000	\$35,000
Permits Cost	\$5,000	\$20,000	
Construction/Implementation Cost	\$1,175,000	\$3,665,000	\$45,000
Environmental Mitigation/Compliance Cost			
Construction/Project Management Cost	\$75,000	\$250,000	
Other Cost			
Specify Other Cost			
Total Cost	\$1,510,000	\$4,500,000	\$80,000
Other Considerations			
Disadvantaged Communities			
Address Critical Water Supply and Water Quality Needs	Yes	No	
Explain how the project addresses critical water supply and water quality needs	Additional supply of water that complies with all state and federal standards in West Turlock	Improves reliability of water supply that complies with all state and federal standards in West Turlock	
What Community			
How were the DACs included in the planning or development of the project?		Smart Valley Places Leadership Program.	
Native American Tribal Communities			
Address critical water supply and quality needs of Native American Tribal	No	No	
Explain how address critical water supply and quality needs of Native American Tribal			

Project Summary

Project Information			
proj_id	1334	1335	1338
What tribe(s)?			
How were the tribe(s) included in the planning or development of the project?			
Climate Change/Greenhouse Gas Emissions			
Does (will) your project consider and/or address the effects of climate change on the region?	Yes	Yes	
How does (will) your project consider and/or address the effects of climate change on the region?	CEQA	CEQA	
Does (will) your project reduce greenhouse gas emissions?	No		
How does (will) your project reduce greenhouse gas emissions?			
Performance, Monitoring and Data Management			
What data will be collected from the project or monitoring of the project?	Operational data - water quality and water supply	Operational data - water quality and water supply	
How will the data be disseminated/shared with the region?	Reports	Reports.	
How will the data be maintained?	City staff.	City staff.	
Project Contact Information			
Primary Contact Name	Dan Madden	Dan Madden	Thom Clark
Primary Contact Agency	City of Turlock	City of Turlock	City of Hughson
Primary Contact Title	Municipal Services Director	Municipal Services Director	Community Development Director
Primary Contact Email	dmadden@turlock.ca.us	dmadden@turlock.ca.us	tclark@hughson.org
Primary Contact Phone	(209) 668-5599 Ext: 4401	(209) 668-5599 Ext: 4401	(209) 883-4045 Ext:
Secondary Contact Name	Michael Cooke	Michael Cooke	Bryan Whitemyer
Secondary Contact Agency/Organization	City of Turlock	City of Turlock	City of Hughson
Secondary Contact Title	Regulatory Affairs Manager	Regulatory Affairs Manager	City Manager
Secondary Contact Email	mcooke@turlock.ca.us	mcooke@turlock.ca.us	bwhitemyer@hughson.org
Secondary Contact Phone	(209) 668-5599 Ext: 4418	(209) 668-5599 Ext: 4418	(209) 883-4054 Ext:
Project Partners			

Project Summary

Project Information			
proj_id	1334	1335	1338
Other Stakeholders		Agriculture (farm, ranch) - Blue Diamond Growers	
Stakeholder Outreach Description			

Project Summary

Project Information			
proj_id	1340	1342	1346
proj_creatorName	Clark, Thomas	Fremming, Lee	Dumas, Leslie
Project Name	Regional Surface Water Treatment Plant Pipeline Turnout	Arsenic Mitigation Project	DAC and Native American Outreach and Technical Assistance
Organization	City of Hughson	Keyes Community Services District	ESRWMP
Project Category	Preliminary Design Complete	Preliminary Design Complete	Ready to Proceed
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Plan Development
Project Description	<p>This project is a water piping turnout on the supply line for the Regional Surface Water Treatment Plant, located just east of the city limits. Although the City of Hughson has recently dropped out of the regional project for financial reasons, treated surface water will still be available to the city on a purchase basis. The Surface Water Plant will be delivering water to the Cities of Ceres and Modesto at high pressures of about 90 psi, thereby eliminating the need for a booster pump to tie into the city's water delivery system. A 24 inch casing was installed with the Euclid Bridge construction project over the Turlock Irrigation District canal, enabling a 14 inch diameter pipe to be installed through the existing casing to connect to the city distribution system.</p> <p>Project includes site acquisition, flow control and pressure reducing valves, valve vault structures and appurtenances, chlorine residual monitoring station, metering station, power supply, & control/SCADA system.</p>	Construction of arsenic treatment facilities, water transmission and distribution lines and modifications to existing water supply wells.	This project will provide for focused and extended outreach to DAC and Native American communities and to provide technical assistance to these communities for the development and submittal of projects that directly support them for inclusion in the East Stanislaus IRWMP.
Pilot/Demonstration Project			
Project Status (% complete)		20	100
Project Coordinates_Lat	37.60869	37.554921	37.629573
Project Coordinates_Lng	-120.851498	-120.912566	-120.873962
Map Area	polygon_drawn_1337967884165.kml	polygon_drawn_1338311035760.kml	
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources	✓		
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			
Protect existing water rights			
Implement water conservation plans for both urban and agricultural uses			
Support monitoring and research to improve understanding of water supplies and needs			
Address conveyance infrastructure needs	✓		
Flood Protection Objectives			

Project Summary

Project Information			
proj_id	1340	1342	1346
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements			
Provide community benefits beyond flood protection			
Protect/ restore/ and enhance the natural ecological and hydrologic functions			
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards	✓	✓	
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination			
Manage existing land uses while preserving or enhancing environmental habitats			
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhancement			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin	✓		

Project Summary

Project Information			
proj_id	1340	1342	1346
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			
Support projects to understand/ protect/ improve and restore the region's ecological resources			
Regional Communication and Cooper			
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.			
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			✓
Build relationships with State and Federal regulatory agencies and other water forums and agent			
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an			✓
Maintain avenues of communication with the general public and offering opportunities to provide			✓
Identify opportunities for public education about water supply/ water quality/ flood management			
Economic and Social Responsibility O			
Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.		✓	
Develop cost-effective multi-benefit projects.			
Consider disproportionate community impacts to ensure environmental justice.			
Maximize economies of scale and governmental efficiencies.	✓		
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.			
Resource Management Strategies			
Reduce Water Demand			

Project Summary

Project Information			
proj_id	1340	1342	1346
Improve Operational Efficiency and Transfers			
Increase Water Supply			
Improve Water Quality	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution	
Improve Flood Management			
Practice Resource Stewardship			Economic Incentives (Loans, Grants, and Water Pricing)
Other Strategies			
Statewide Priorities			
Statewide Priorities	Use and Reuse Water More Efficiently	Ensure Equitable Distribution of Benefits	Ensure Equitable Distribution of Benefits
Project Benefits			
Primary Benefit	Water Supply	Water Quality	Regional Communication and Cooperation
Explanation of Primary Benefit		The addition of arsenic treatment will bring the drinking water into compliance with all applicable mandates and requirements of Title 22.	This project will provide outreach to DACs and Native American Communities in the East Stanislaus IRWM region. It will also provide technical assistance to these communities to assist them in identifying and developing projects for inclusion in the ESIRWM Plan
Water Supply Benefits	Use of surface water for domestic drinking water reduces the need for pumping groundwater.		

Project Summary

Project Information			
proj_id	1340	1342	1346
Water Quality Benefits			
Environmental Benefits			
Flood/Stormwater Management Benefits			
Community Stewardship Benefits	Reduces groundwater pumping thereby protecting local water wells.		This project will help DACs and Native American communities find their voice in managing regional water resources

Project Summary

Project Information			
proj_id	1340	1342	1346
Steps to be taken to Provide multiple benefits			
Feasibility			
Project Start Date		5/3/2004	6/4/2012
Planning Status	Completed	Completed	Completed
Estimated Date of Completion			
Feasibility Status	Completed	Completed	N/A
Estimated Date of Completion			
Environmental Assessment Status	N/A	Completed	N/A
Estimated Date of Completion			
Pre-Project Monitoring Status	N/A	N/A	N/A
Estimated Date of Completion			
Design Status	Completed	Not Started	N/A
Estimated Date of Completion		9/30/2013	
Environmental Permits Status	N/A	N/A	N/A
Estimated Date of Completion			
Building/Order Permits Status	N/A	Not Started	N/A
Estimated Date of Completion		9/30/2012	
Construction/Implementation Status	Not Started	Not Started	Not Started
Estimated Date of Completion	6/30/3016	1/15/2015	
Post Project Monitoring Status	N/A	N/A	Not Started
Estimated Date of Completion			
Describe Environmental Permits Required for the Project			None are required
Describe Other Permits (e.g./ Encroachment/ Building) Required for the Project		Encroachment permit for water lines, building permit for arsenic treatment site construction.	None are are required
Project Workplan/Schedule			DAC Outreach.docx,DAC Outreach Schedule.pdf

Project Summary

Project Information			
proj_id	1340	1342	1346
Planning Documents			
Project Costs			
Total Project Cost	\$450,000	\$8,600,000	\$30,480
Local Funded	\$50,000		\$3,613
Funded through existing grants			
Currently Unfunded	\$400,000		\$30,480
Project Cost Breakdown			
Land Purchase/Easement	\$75,000	\$150,000	
Planning Cost		\$440,000	
Project Design Cost		\$630,000	
Environmental Review Cost		\$50,000	
Permits Cost		\$50,000	
Construction/Implementation Cost	\$320,000	\$6,630,000	
Environmental Mitigation/Compliance Cost		\$0	
Construction/Project Management Cost	\$55,000	\$600,000	
Other Cost		\$50,000	\$30,480
Specify Other Cost		Miscellaneous unknown costs	implementation costs
Total Cost	\$450,000	\$8,600,000	\$30,480
Other Considerations			
Disadvantaged Communities			
Address Critical Water Supply and Water Quality Needs		Yes	Yes
Explain how the project addresses critical water supply and water quality needs		Keyes is a DAC	this project directly outreaches to DACs and aids them in identifying and developing projects for inclusion in the ESIRWMP
What Community		Keyes Community Services District	DACs within the region
How were the DACs included in the planning or development of the project?		The project is solely for Keyes CSD	
Native American Tribal Communities			
Address critical water supply and quality needs of Native American Tribal		No	Yes
Explain how address critical water supply and quality needs of Native American Tribal			this project directly outreaches to DACs and aids them in identifying and developing projects for inclusion in the ESIRWMP

Project Summary

Project Information			
proj_id	1340	1342	1346
What tribe(s)?			native American communities in the region
How were the tribe(s) included in the planning or development of the project?			
Climate Change/Greenhouse Gas Emissions			
Does (will) your project consider and/or address the effects of climate change on the region?		Yes	No
How does (will) your project consider and/or address the effects of climate change on the region?			
Does (will) your project reduce greenhouse gas emissions?			
How does (will) your project reduce greenhouse gas emissions?			
Performance, Monitoring and Data Management			
What data will be collected from the project or monitoring of the project?		None	Documentation of outreach; projects identified; communities directly worked with
How will the data be disseminated/shared with the region?			Projects identified and supported will be submitted for inclusion in the IRWMP
How will the data be maintained?			continued ongoing outreach
Project Contact Information			
Primary Contact Name	Thom Clark	Lee Fremming	Leslie Dumas
Primary Contact Agency	City of Hughson	Fremming, Parson & Pecchenino	RMC Water & Environment
Primary Contact Title	Community Development Director	District Engineer	Project Manager
Primary Contact Email	tclark@hughson.org	lfremming@fppeng.com	ldumas@rmcwater.com
Primary Contact Phone	(209) 883-4054 Ext:	(209) 723-2066 Ext:	(925) 627-4100 Ext:
Secondary Contact Name	Bryan Whitemyer	Michelle Harris	Jim Alves
Secondary Contact Agency/Organization	City of Hughson	Keyes Community Services District	City of Modesto
Secondary Contact Title	City Manager	Office Manager	Associate Civil Engineer
Secondary Contact Email	bwhitemyer@hughson.org	mharris@keyescsd.com	jalves@modestogov.com
Secondary Contact Phone	(209) 883-4054 Ext:	(209) 668-8341 Ext:	(209) 571-5557 Ext:
Project Partners	Cities of Turlock, Ceres and Modesto		City of Modesto - City of Hughson, City of Turlock - City of Ceres

Project Summary

Project Information			
proj_id	1340	1342	1346
Other Stakeholders	Water supplier/purveyor - Turlock Irrigation District		
Stakeholder Outreach Description			

Project Summary

Project Information			
proj_id	1347	1348	1349
proj_creatorName	Dumas, Leslie	Dumas, Leslie	Dumas, Leslie
Project Name	Online Data Management System	Regional County Island Sewer Connection Study	Regional Water Needs Assessment
Organization	ESRWMP	ESRWMP	ESRWMP
Project Category	Ready to Proceed	Ready to Proceed	Ready to Proceed
Project Type	Monitoring	Research	Research
Project Description	This project will create a consolidated, web-based data management system to facilitate the collection and analysis of data, monitoring and reporting, and easier access to data.	This project will identify areas of Stanislaus County that are currently on septic systems and (1) evaluate the potential impacts of septic systems on the underlying groundwater basin and (2) determine if these septic systems should be improved and/or connected to either centralized or satellite collection and treatment systems in order to protect groundwater quality. This study will help with the evaluation and long-term management of the underlying groundwater basins, a primary source of potable water in the East Stanislaus Region.	This project will develop a region-wide demand projection that will cover both areas currently evaluated under existing Urban Water Management Plans (UWMPs) and areas outside urban water management planning requirements. This task will use existing plans and demand projections, including UWMPs and land use plans (such as General Plans), to develop the regional demand projection which will, in turn, contribute to the understanding and management of local water supplies.
Pilot/Demonstration Project			
Project Status (% complete)	100	100	100
Project Coordinates_Lat	37.629573	37.629573	37.629573
Project Coordinates_Lng	-120.873962	-120.873962	-120.873962
Map Area			
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources			✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			✓
Protect existing water rights			
Implement water conservation plans for both urban and agricultural uses			✓
Support monitoring and research to improve understanding of water supplies and needs			✓
Address conveyance infrastructure needs			
Flood Protection Objectives			

Project Summary

Project Information			
proj_id	1347	1348	1349
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements			
Provide community benefits beyond flood protection			
Protect/ restore/ and enhance the natural ecological and hydrologic functions			
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards			
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination		✓	
Manage existing land uses while preserving or enhancing environmental habitats			
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhanc			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin			

Project Summary

Project Information			
proj_id	1347	1348	1349
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			
Support projects to understand/ protect/ improve and restore the region's ecological resources			
Regional Communication and Cooper			
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.			✓
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			
Build relationships with State and Federal regulatory agencies and other water forums and agent			
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an	✓		
Maintain avenues of communication with the general public and offering opportunities to provide	✓		✓
Identify opportunities for public education about water supply/ water quality/ flood management			
Economic and Social Responsibility O			
Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.			
Develop cost-effective multi-benefit projects.			
Consider disproportionate community impacts to ensure environmental justice.			
Maximize economies of scale and governmental efficiencies.	✓		
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.			
Resource Management Strategies			
Reduce Water Demand			Urban Water Use Efficiency

Project Summary

Project Information			
proj_id	1347	1348	1349
Improve Operational Efficiency and Transfers			
Increase Water Supply			Conjunctive Management & Groundwater Storage
Improve Water Quality		Groundwater Remediation/Aquifer Remediation	
Improve Flood Management			
Practice Resource Stewardship	Watershed Management		
Other Strategies			
Statewide Priorities			
Statewide Priorities	Climate Change Response Actions,Improve Tribal Water and Natural Resources	Protect Surface Water and Natural Resources	Drought Preparedness,Use and Reuse Water More Efficiently
Project Benefits			
Primary Benefit	Regional Communication and Cooperation	Water Quality	Water Supply
Explanation of Primary Benefit	This online database will facilities data sharing, promoting data sharing to support decision making.	This project will identify areas in the county that are on septic systems that are currently contributing to or have the potential to contribute to groundwater impacts, and will work to identify solutions to mitigating and remediating, if possible, these groundwater quality impacts.	This project will provide a comprehensive analysis of water demands within the ESIRWM region. It will incorporate the demands of unincorporated areas and areas with less than 3,000 connections (not requiring to complete UWMPs) with those of larger areas in the region to provide a regional assessment of water supply needs. This information will then be used to inform local and regional water supply management programs.
Water Supply Benefits			

Project Summary

Project Information			
proj_id	1347	1348	1349
Water Quality Benefits			
Environmental Benefits			This project will also incorporate the water needs of environmental resources in the evaluation.
Flood/Stormwater Management Benefits			
Community Stewardship Benefits	An online database will facilities regional watershed management		

Project Summary

Project Information			
proj_id	1347	1348	1349
Steps to be taken to Provide multiple benefits			This project includes a public education component, providing important information regarding the importance of water supply conservation and resource management.
Feasibility			
Project Start Date	6/4/2012	6/4/2012	6/4/2012
Planning Status	Completed	Completed	Not Started
Estimated Date of Completion			
Feasibility Status	N/A	Not Started	N/A
Estimated Date of Completion			
Environmental Assessment Status	N/A	N/A	N/A
Estimated Date of Completion			
Pre-Project Monitoring Status	N/A	In Progress	N/A
Estimated Date of Completion			
Design Status	N/A	N/A	N/A
Estimated Date of Completion			
Environmental Permits Status	N/A	N/A	N/A
Estimated Date of Completion			
Building/Order Permits Status	N/A	N/A	N/A
Estimated Date of Completion			
Construction/Implementation Status	N/A	N/A	N/A
Estimated Date of Completion			
Post Project Monitoring Status	N/A	Not Started	N/A
Estimated Date of Completion			
Describe Environmental Permits Required for the Project	no permits are required	No permits are required for this project	This is a study, therefore no permits will be required.
Describe Other Permits (e.g./ Encroachment/ Building) Required for the Project	no permits are required	No permits are required for this project	This is a study, therefore no permits will be required.
Project Workplan/Schedule	Online Data Management System Work Plan.docx,Online Data Management System Schedule.pdf	Regional County Island Sewer Connection Study Work Plan.docx,Regional County Island Sewer Connection Study Schedule.pdf	Regional Water Needs Assessment Work Plan.docx,Regional Water Needs Assessment Schedule.pdf

Project Summary

Project Information			
proj_id	1347	1348	1349
Planning Documents			
Project Costs			
Total Project Cost	\$100,200	\$95,515	\$78,255
Local Funded			
Funded through existing grants			
Currently Unfunded	\$100,200	\$95,515	\$78,255
Project Cost Breakdown			
Land Purchase/Easement			
Planning Cost		\$95,515	\$78,255
Project Design Cost			
Environmental Review Cost			
Permits Cost			
Construction/Implementation Cost			
Environmental Mitigation/Compliance Cost			
Construction/Project Management Cost			
Other Cost	\$100,200		
Specify Other Cost	database software purchase, data input and intranet mounting		
Total Cost	\$100,200	\$95,515	\$78,255
Other Considerations			
Disadvantaged Communities			
Address Critical Water Supply and Water Quality Needs	Yes	Yes	Yes
Explain how the project addresses critical water supply and water quality needs	The online database will provide DACs with data access to allow for project development	Some of the areas to be studied under this project are DACs or are contributing to groundwater quality impacts in areas where there are groundwater wells serving DACs.	This project will document the water supply needs of DACs in the region. This will help to inform them and the ESRWMP regarding projects that may be implemented to ensure long-term water supply reliability for these areas.
What Community	ESIRWM region DACs	Some of the unincorporated county areas are DACs.	DACs in ESRWM region.
How were the DACs included in the planning or development of the project?			They will be incorporated/interviewed as part of the project.
Native American Tribal Communities			
Address critical water supply and quality needs of Native American Tribal	Yes	No	
Explain how address critical water supply and quality needs of Native American Tribal	The online database will provide DACs with data access to allow for project development		This project will document the water supply needs of Native American communities in the region. This will help to inform them and the ESRWMP regarding projects that may be implemented to ensure long-term water supply reliability for these areas.

Project Summary

Project Information			
proj_id	1347	1348	1349
What tribe(s)?	ESIRWM region native American communities		Native American tribes in the ESIRWM region
How were the tribe(s) included in the planning or development of the project?			They will be incorporated/interviewed as part of the project.
Climate Change/Greenhouse Gas Emissions			
Does (will) your project consider and/or address the effects of climate change on the region?	No	No	Yes
How does (will) your project consider and/or address the effects of climate change on the region?			As part of this project, the potential impacts of climate change on water supplies will be considered in evaluating issues regarding water supplies.
Does (will) your project reduce greenhouse gas emissions?			No
How does (will) your project reduce greenhouse gas emissions?			
Performance, Monitoring and Data Management			
What data will be collected from the project or monitoring of the project?	% complete	Groundwater quality data will be collected, along with the identification of the location and construction of private supply wells that may be impacted by septic systems.	Data collected as part of the project will be compiled into a report at the end of the project. This report will be publically available once completed.
How will the data be disseminated/shared with the region?	online data access	The data will be incorporated into a report that will be publically available.	The report resulting from the project will be publically available and posted on the ESIRWM website.
How will the data be maintained?	ESIRWMP administrator	This is a one-time data collection activity; therefore, no data will require maintenance.	This is a one-time data collection activity. No data maintenance will be required.
Project Contact Information			
Primary Contact Name	Leslie Dumas	Leslie Dumas	Leslie Dumas
Primary Contact Agency	RMC Water & Environment	RMC Water and Environment	RMC Water & Environment
Primary Contact Title	Project Manager	Project Manager	Project Manager
Primary Contact Email	LDumas@rmcwater.com	Ldumas@rmcwater.com	Ldumas@rmcwater.com
Primary Contact Phone	(925) 627-4100 Ext:	(925) 627-4100 Ext:	(925) 627-4100 Ext:
Secondary Contact Name	Jim Alves	Jim Alves	Jim Alves
Secondary Contact Agency/Organization	City of Modesto	City of Modesto	City of Modesto
Secondary Contact Title	Associate Civil Engineer	Associate Civil Engineer	Associate Civil Engineer
Secondary Contact Email	Jalves@modestogov.org	jalves@modestogov.org	JAlves@modestogov.org
Secondary Contact Phone	(209) 571-5557 Ext:	(209) 571-5557 Ext:	(209) 571-5557 Ext:
Project Partners	City of Modesto - City of Turlock, City of Hughson - City of Ceres	Dan Madden - City of Turlock, Jim Alves - City of Modesto, Mike Britton - City of Ceres, Thom Clark - City of Hughson	Jim Alves - City of Modesto, Dan Madden - City of Turlock, Mike Britton - City of Ceres, Thom Clark - City of Hughson

Project Summary

Project Information			
proj_id	1347	1348	1349
Other Stakeholders			
Stakeholder Outreach Description			

Project Summary

Project Information			
proj_id	1350	1351	1359
proj_creatorName	Dumas, Leslie	Koepele, Patrick	Koepele, Patrick
Project Name	Integrated Stormwater Resources Management and Groundwater Augmentation Plan	Dennett Dam Removal	Dos Rios Floodplain and Riparian Habitat Restoration
Organization	ESRWMP	Tuolumne River Trust	Tuolumne River Trust
Project Category	Ready to Proceed	Preliminary Design Complete	Ready to Proceed
Project Type	Plan Development	Infrastructure - Environmental	Infrastructure - Environmental
Project Description	This project will result in an Integrated Stormwater Resource Management and Groundwater Augmentation Plan that will evaluate and describe stormwater management in the region and identify opportunities and projects that will provide flood protection, stormwater management, water supply augmentation, water quality and/or environmental benefits for inclusion in the IRWMP. As part of this project, potential recharge locations will be mapped and opportunities for recharging the groundwater subbasins and/or improving water quality with stormwater runoff management will be identified, thereby providing both stormwater management and water supply benefits. This project will contribute to the region description and aid in the identification of opportunities to develop projects and programs to meet several regional goals (water supply, water quality and flood protection).	The purpose of this project is to remove Dennett Dam, an abandoned low-head dam on the Tuolumne River just west of the 9th Street Bridge in downtown Modesto. Removing the dam will provide unimpeded access to 28 miles of spawning habitat for anadromous fish, including steelhead, chinook salmon, green sturgeon, and white sturgeon. Additionally, removing the dam will remove a significant safety hazard in the river and will provide improved recreational boating within the river along the Tuolumne River Regional Park. Tasks include mobilizing equipment and machinery, constructing a temporary cofferdam and re-routing river flow, demolishing the dam and removing debris, removing the cofferdam, and site restoration.	This is a project to undertake floodplain and riparian habitat restoration at the 1600 acre Dos Rios Ranch. The Dos Rios Ranch is located at the confluence of the San Joaquin and Tuolumne Rivers and occupies 3 miles of river frontage on each river, for a total of 6 miles of river frontage. Through this project, we will improve channel-floodplain connectivity, improve transient floodwater storage, and restore riparian habitat. The project will build on another large flood management project at the San Joaquin River National Wildlife Refuge and will provide up to 10,000 ac-ft of transient flood water storage. The project will improve habitat for a number of sensitive species, including the riparian brush rabbit, riparian woodrat, least Bell's vireo, steelhead trout, and chinook salmon and will directly contribute to the recovery of these species. We will also provide public recreation opportunities at the site, including hiking, fishing, boating, and other similar activities.
Pilot/Demonstration Project			
Project Status (% complete)	100	50	90
Project Coordinates_Lat	37.629573	37.627373	37.600882
Project Coordinates_Lng	-120.873962	-120.987915	-121.160851
Map Area		polygon_drawn_1338850306082.kml	polygon_drawn_1339191644176.kml
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources	✓		
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft	✓		
Protect existing water rights			
Implement water conservation plans for both urban and agricultural uses			
Support monitoring and research to improve understanding of water supplies and needs			
Address conveyance infrastructure needs			
Flood Protection Objectives			

Project Summary

Project Information			
proj_id	1350	1351	1359
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements			✓
Provide community benefits beyond flood protection			✓
Protect/ restore/ and enhance the natural ecological and hydrologic functions			✓
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards			
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination	✓		✓
Manage existing land uses while preserving or enhancing environmental habitats			✓
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			✓
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhancement			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			
Identify opportunities for open spaces/ trails and parks along recreational projects		✓	✓
Contribute to the long-term sustainability of land uses and activities within the basin			

Project Summary

Project Information			
proj_id	1350	1351	1359
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds	✓	✓	✓
Support projects to understand/ protect/ improve and restore the region's ecological resources		✓	✓
Regional Communication and Cooper			
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.	✓	✓	✓
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			
Build relationships with State and Federal regulatory agencies and other water forums and agent			
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an			
Maintain avenues of communication with the general public and offering opportunities to provide			
Identify opportunities for public education about water supply/ water quality/ flood management			✓
Economic and Social Responsibility O			
Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.			
Develop cost-effective multi-benefit projects.	✓	✓	✓
Consider disproportionate community impacts to ensure environmental justice.			
Maximize economies of scale and governmental efficiencies.			
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.			
Resource Management Strategies			
Reduce Water Demand			

Project Summary

Project Information			
proj_id	1350	1351	1359
Improve Operational Efficiency and Transfers			Conveyance Regional/Local
Increase Water Supply	Conjunctive Management & Groundwater Storage		
Improve Water Quality	Pollution Prevention		
Improve Flood Management			
Practice Resource Stewardship	Recharge Area Protection,Watershed Management	Ecosystem Restoration,Water-Dependent Recreation,Watershed Management	Ecosystem Restoration,Water-Dependent Recreation,Watershed Management
Other Strategies			
Statewide Priorities			
Statewide Priorities	Use and Reuse Water More Efficiently,Practice Integrated Flood Management,Protect Surface Water and Natural Resources	Expand Environmental Stewardship,Protect Surface Water and Natural Resources	Expand Environmental Stewardship,Practice Integrated Flood Management,Protect Surface Water and Natural Resources
Project Benefits			
Primary Benefit	Water Supply	Environmental Protection and Enhancement	Environmental Protection and Enhancement
Explanation of Primary Benefit	This projects will identify the ways/projects that will allow stormwater runoff to be captured and used to augment groundwater storage in the underlying groundwater basins.	Improve the environmental resources of the Tuolumne Watershed by removing Dennett Dam and restoring the site for the benefit of anadromous fish migration.	The project will improve 1600 acres of riparian habitat at the confluence of the San Joaquin and Tuolumne Rivers, improving habitat for a number of sensitive species and building on a number of other large conservation initiatives in the San Joaquin Valley, including the San Joaquin Restoration Program, restoration of salmon on the Tuolumne, Merced, and San Joaquin River, restoration at the San Joaquin River National Wildlife Refuge, and enhancement of the Pacific Flyway.
Water Supply Benefits			

Project Summary

Project Information			
proj_id	1350	1351	1359
Water Quality Benefits	Groundwater quality protection and surface water quality protection will be considered as part of the project to evaluate ways to utilize stormwater runoff as a local water resource.		The project will act as a buffer between sensitive river habitat and adjacent farmland by absorbing any agricultural runoff before it enters the river systems and filtering out pollutants in a series of ponds, wetlands, and sloughs.
Environmental Benefits	This project will identify ways to utilize stormwater runoff as a local water resource, including the use of stormwater runoff to augment environmental water needs.		
Flood/Stormwater Management Benefits	This project will evaluate ways to utilize stormwater runoff as a local water resource. This will be done in the context of preventing or minimizing flooding impacts from stormwater runoff.		The project will also serve as a model non-structural flood management project by providing transitory floodwater storage for up to 10,000 ac-ft of floodwaters and reducing peak flows to places as far downstream as Lathrop and Stockton. The project will contribute to the goals of the FloodSafe California program, and will build on the non-structural flood control project being developed at the San Joaquin River National Wildlife Refuge.
Community Stewardship Benefits		Improve public safety and recreation opportunities by removing a significant hazard on the Tuolumne River. The dam has caused several drownings over the past several years.	The project will provide public access and recreation to both the San Joaquin and Tuolumne Rivers for hiking, fishing, canoeing and kayaking, and other similar activities. Additionally, many of the restoration activities will be accomplished through volunteer community restoration days, where people will have the opportunity to plant trees and undertake other related work. Finally, the site will be heavily used as an "outdoor classroom" for the Tuolumne River Trust's Trekking the Tuolumne education program for 4th and 5th graders. Trekking the Tuolumne is an award-winning State standards-based environmental education program.

Project Summary

Project Information			
proj_id	1350	1351	1359
Steps to be taken to Provide multiple benefits		To date we have completed a Basis of Design Report and Identified our Preferred Approach to removing the dam. We are currently meeting with regulatory agencies to discuss the project and incorporate permitting concerns into the final project design.	We recently purchased the Dos Rios Ranch and will embark on restoration, community stewardship, and education activities this fall. Funding from multiple sources guarantees the project will provide the multiple benefits described above.
Feasibility			
Project Start Date	6/4/2012	10/1/2010	8/1/2005
Planning Status	Not Started	In Progress	Completed
Estimated Date of Completion		9/28/2012	
Feasibility Status	N/A	Completed	Completed
Estimated Date of Completion			
Environmental Assessment Status	N/A	In Progress	In Progress
Estimated Date of Completion		10/31/2012	10/1/2012
Pre-Project Monitoring Status	N/A	N/A	N/A
Estimated Date of Completion			
Design Status	N/A	In Progress	In Progress
Estimated Date of Completion		12/31/2012	10/1/2012
Environmental Permits Status	N/A	Not Started	In Progress
Estimated Date of Completion		6/28/2013	10/1/2012
Building/Order Permits Status	N/A	N/A	N/A
Estimated Date of Completion			
Construction/Implementation Status	N/A	Not Started	Not Started
Estimated Date of Completion		9/30/2014	12/29/2017
Post Project Monitoring Status	N/A	Not Started	Not Started
Estimated Date of Completion		9/30/2015	6/1/2020
Describe Environmental Permits Required for the Project	As this is a study, no permits will be required.	USACE Section 404/Section 10 RWQCB Section 401 Water Quality Certification CDFG Section 1601 Streambed Alteration Agreement CVFPB Encroachment Permit NMFS Section 7 Consultation USFWS Section 7 Consultation State Lands Commission Lands Lease OHP Section 106 Consultation SWRCB Section 402 Stormwater Permit SJVAPCD Rule 8021 for Construction	NMFS Section 7 Consultation DFG Section 1600 Streambed Alteration Permit
Describe Other Permits (e.g./ Encroachment/ Building) Required for the Project	As this is a study, no permits will be required.		Flood Control Board Encroachment Permit
Project Workplan/Schedule	Integrated Stormwater Resources Management and GW Augmentation Plan Work Plan.docx, Integrated Stormwater Resource Management and GW Augmentation Plan Schedule.pdf	Dennett Dam Schedule.pdf	

Project Summary

Project Information			
proj_id	1350	1351	1359
Planning Documents		Draft Dennett Dam Removal_BOD_MAY_2012.pdf	
Project Costs			
Total Project Cost	\$267,835	\$780,000	\$32,000,000
Local Funded		\$100,000	\$300,000
Funded through existing grants		\$115,000	\$28,000,000
Currently Unfunded	\$267,835	\$565,000	\$3,700,000
Project Cost Breakdown			
Land Purchase/Easement			\$22,000,000
Planning Cost	\$267,835	\$50,000	\$100,000
Project Design Cost		\$55,000	\$100,000
Environmental Review Cost		\$50,000	\$50,000
Permits Cost		\$50,000	\$50,000
Construction/Implementation Cost		\$400,000	\$9,000,000
Environmental Mitigation/Compliance Cost		\$100,000	
Construction/Project Management Cost		\$75,000	\$700,000
Other Cost			
Specify Other Cost			
Total Cost	\$267,835	\$780,000	\$32,000,000
Other Considerations			
Disadvantaged Communities			
Address Critical Water Supply and Water Quality Needs	Yes	No	No
Explain how the project addresses critical water supply and water quality needs	Project to manage and reuse stormwater runoff will be identified. These projects will both reduce potential stormwater runoff impacts to DACs and provide groundwater recharge benefits, which will help augment groundwater supplies and positively impact local wells.		
What Community	DACs within the ESIRWM region.		
How were the DACs included in the planning or development of the project?			
Native American Tribal Communities			
Address critical water supply and quality needs of Native American Tribal	Yes	No	No
Explain how address critical water supply and quality needs of Native American Tribal	Project to manage and reuse stormwater runoff will be identified. These projects will both reduce potential stormwater runoff impacts to local Native American communities and provide groundwater recharge benefits, which will help augment groundwater supplies and positively impact local wells.		

Project Summary

Project Information			
proj_id	1350	1351	1359
What tribe(s)?	Native American Communities in the ESIRWM region		
How were the tribe(s) included in the planning or development of the project?			
Climate Change/Greenhouse Gas Emissions			
Does (will) your project consider and/or address the effects of climate change on the region?	Yes	No	Yes
How does (will) your project consider and/or address the effects of climate change on the region?	Because the basis of this project is stormwater management, the effects of climate change on the timing and magnitude of stormwater runoff will be considered.		By providing additional transient floodwater storage to accommodate more frequent flooding.
Does (will) your project reduce greenhouse gas emissions?	No	No	Yes
How does (will) your project reduce greenhouse gas emissions?			The replanted riparian forest will absorb greenhouse gasses.
Performance, Monitoring and Data Management			
What data will be collected from the project or monitoring of the project?	Data collected as part of the project will be incorporated into a project report that will be publically available.	Historical Data, Sediment Toxicological information	vegetation growth/success, bird usage, fish utilization
How will the data be disseminated/shared with the region?	The report prepared at the conclusion of this project will be publically available and will be posted on the ESIRWM website.	internet	web, email, conferences, publications
How will the data be maintained?	This is a one-time data collection effort; therefore, there will not be data that will require maintenance.	consultant	in-house data management system
Project Contact Information			
Primary Contact Name	Leslie Dumas	Patrick Koepele	Patrick Koepele
Primary Contact Agency	RMC Water & Environment	Tuolumne River Trust	Tuolumne River Trust
Primary Contact Title	Project Manager	Deputy Executive Director	Deputy Executive Director
Primary Contact Email	Ldumas@rmcwater.com	patrick@tuolumne.org	patrick@tuolumne.org
Primary Contact Phone	(925) 627-4100 Ext:	(209) 588-8636 Ext:	(209) 588-8636 Ext:
Secondary Contact Name	Jim Alves	Eric Wesselman	Julie Rentner
Secondary Contact Agency/Organization	City of Modesto	Tuolumne River Trust	River Partners
Secondary Contact Title	Associate Civil Engineer	Executive Director	San Joaquin Regional Director
Secondary Contact Email	JAlves@modestogov.org	eric@tuolumne.org	jrentner@riverpartners.org
Secondary Contact Phone	(209) 571-5557 Ext:	(415) 882-7252 Ext:	(209) 521-1700 Ext: 23
Project Partners	Jim Alves - City of Modesto, Dan Madden - City of Turlock, Mike Britton - City of Ceres, Thom Clark - City of Hughson		River Partners

Project Summary

Project Information			
proj_id	1350	1351	1359
Other Stakeholders		Local government - Tuolumne River Regional Park JPA, Local government - City of Modesto, Local government - Stanislaus County	
Stakeholder Outreach Description		Met with City of Modesto, Stanislaus County, TRRP to brief staff on the project and receive concerns, comments, etc. Currently meeting with permitting agencies, DFG, USFWS, NOAA Fisheries, etc to explore permitting requirements.	We have conducted extensive outreach and have garnered over 30 letters of support for the project, from Senators Feinstein and Boxer, our local Congressman, Assembly members, County Board of Supervisors, City Councils, and a number of local organizations.

Appendix K



Regional Communication and Cooperation Goal - To implement and promote this IRWM Plan through regional communication, cooperation, and education

Regional Communication and Cooperation Objectives

- Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities.
- Build relationships with State and Federal regulatory agencies and other water forums and agencies to facilitate permitting of water-related projects and ensure continued consistency with state water plans.
- Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies in water management strategies and to maximize benefits from water-related projects.
- Maintain avenues of communication with the general public and offering opportunities to provide feedback on the IRWM and water-related projects through the regional websites and other public forums.
- Identify opportunities for public education about water supply, water quality, flood management, and environmental protection.

Economic and Social Responsibility Goal - To promote development and implementation of projects, programs, and policies that are socially impartial and economically sound

Economic and Social Responsibility Objectives

- Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.
- Develop cost-effective multi-benefit projects.
- Consider disproportionate community impacts to ensure environmental justice.
- Maximize economies of scale and governmental efficiencies.
- Protect cultural resources.
- Reduce energy use and/or use of renewable resources where appropriate.

3. Fulfills at least one Resource Management Strategy?

Y N

Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency
- Crop Idling for Water Transfers
- Irrigated Land Retirement
- Rainfed Agriculture

Improve Operational Efficiency and Transfers

- Conveyance - Delta
- Conveyance - Regional/local
- System Reoperation
- Water Transfers
- Waterbag Transport/Storage Technology

Increase Water Supply

- Conjunctive Management & Groundwater Storage
- Desalination
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage - CALFED
- Surface Storage - Regional/local
- Dewvaporation or Atmospheric Pressure Desalination
- Fog Collection

Improve Water Quality

- Drinking Water Treatment and Distribution
- Groundwater Remediation/Aquifer Remediation
- Matching Quality to Use

- Pollution Prevention
- Salt and Salinity Management
- Urban Runoff Management

Improve Flood Management

- Flood Risk Management

Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives
- Ecosystem Restoration
- Forest Management
- Recharge Area Protection
- Water-Dependent Recreation
- Watershed Management

4. Fulfills at least one Statewide Strategy? Y N

- Drought Preparedness
- Use and Reuse Water More Efficiently
- Climate Change Response Action
- Expand Environmental Stewardship
- Practice Integrated Flood Management
- Protect Surface Water and Groundwater Quality
- Improve Tribal Water and Natural Resources
- Ensure Equitable Distribution of Benefits

5. Technically Feasible? Y N

Describe how this was determined:



East Stanislaus IRWM Region Project Prioritization Scoring Sheet

Project Name: _____

Scorer Name: _____

Project Sponsor: _____

Date: _____

Criteria / Subcriteria	Weight	Score*	Weighted Score	Notes
REGIONAL OBJECTIVES	50%			
Water Supply Goal - To protect existing water supplies and water rights, and improve regional water supply reliability	10%		0	
<i>Water Supply Objectives</i>				
- Provide a variety of water supply sources, including recycled water, to meet all current and future demands (urban, agricultural and the environment) under various hydrologic conditions.				
- Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft.				
- Protect existing water rights.				
- Implement water conservation plans for both urban and agricultural uses.				
- Support monitoring and research to improve understanding of water supplies and needs.				
- Address conveyance infrastructure needs.				
Flood Protection Goal - To ensure flood protection strategies are developed and implemented through a collaborative process, utilizing both local and watershed-wide approaches designed to maximize opportunities for comprehensive water resource management	10%		0	
<i>Flood Protection Objectives</i>				
- Develop outlines of regional projects and plans necessary to protect infrastructure from flooding and erosion from the 100-year event.				
- Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed.				
- Develop approaches for adaptive management that minimizes maintenance requirements and protects water quality and availability while preserving and enhancing ecologic and stream functions, as appropriate.				
- Provide community benefits beyond flood protection, such as public access, open space, recreation, agricultural preservation, and economic development.				
- Protect, restore, and enhance the natural ecological and hydrologic functions of rivers, creeks, streams and their floodplains.				
Water Quality Goal - To protect and improve water quality for beneficial uses consistent with regional interests and the RWQCB Basin Plan in cooperation with local, state and federal agencies and regional stakeholders	10%		0	
<i>Water Quality Objectives</i>				
- Meet or exceed all applicable water quality regulatory standards.				
- Deliver agricultural water to meet water quality guidelines established by stakeholders.				
- Aid in meeting Total Maximum Daily Loads established, or to be established, for the Tuolumne River watershed.				
- Protect surface waters and groundwater basins from contamination and threat of contamination.				
- Manage existing land uses while preserving or enhancing environmental habitats.				
- Minimize impacts from storm water through implementation of Best Management Practices, Low Impact Development or other similar projects.				
- Promote programs and projects to reduce the quantity and improve the quality of urban and agricultural runoff.				
- Promote and support regional monitoring to further understanding of water quality issues.				
Environmental Protection and Enhancement Goal - To protect the environmental resources of the Stanislaus, Tuolumne, Merced and San Joaquin River watersheds by identifying, promoting and implementing opportunities to assess, restore and enhance natural resources of these watersheds	7%		0	
<i>Environmental Protection and Enhancement Objectives</i>				
- Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.				
- Minimize adverse effects on biological and cultural resources, including riparian habitats, habitats supporting sensitive plant or animal species, and archaeological sites when implementing strategies and projects.				
- Identify opportunities for open spaces, trails and parks along creeks and other recreational projects in the watershed to be incorporated with water supply, water quality, or flood protection projects.				
- Contribute to the long-term sustainability of agricultural, commercial, industrial, and urban land uses and activity within the basin.				
- Identify opportunities to protect, enhance, or restore habitat to the support all watersheds in the Region in conjunction with water supply, water quality, or flood protection projects.				
- Support projects to understand, protect, improve and restore the region's ecological resources.				
Regional Communication and Cooperation Goal - To implement and promote this IRWM Plan through regional communication, cooperation, and education	7%		0	
<i>Regional Communication and Cooperation Objectives</i>				
Identify and incorporate (where possible and reasonable) opportunities to assess, protect, enhance, and/or restore natural resources when developing water management strategies.				
- Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities.				
- Build relationships with State and Federal regulatory agencies and other water forums and agencies to facilitate permitting of water-related projects and ensure continued consistency with state water plans.				
- Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies in water management strategies and to maximize benefits from water-related projects.				
- Maintain avenues of communication with the general public and offering opportunities to provide feedback on the IRWM and water-related projects through the regional websites and other public forums.				
- Identify opportunities for public education about water supply, water quality, flood management, and environmental protection.				
Economic and Social Responsibility Goal - To promote development and implementation of projects, programs, and policies that are socially impartial and economically sound	6%		0	
<i>Economic and Social Responsibility Objectives</i>				
- Support the participation of disadvantaged communities in the development, implementation, monitoring and long-term maintenance of water resource projects.				
- Develop cost-effective multi-benefit projects.				
- Consider disproportionate community impacts to ensure environmental justice.				
- Maximize economies of scale and governmental efficiencies.				
- Protect cultural resources.				
- Reduce energy use and GHG emissions/or use of renewable resources where appropriate.				



East Stanislaus IRWM Region Project Prioritization Scoring Sheet

Criteria / Subcriteria	Weight	Score*	Weighted Score	Notes
STATEWIDE PRIORITIES	25%			
Drought Preparedness	5%		0	
Use and Reuse Water More Efficiently	5%		0	
Climate Change Response/Adaptation Actions	3%		0	
Expand Environmental Stewardship	2%		0	
Practice Integrated Flood Management	3%		0	
Protect Surface Water and Groundwater Quality	3%		0	
Improve Tribal Water and Natural Resources	2%		0	
Ensure Equitable Distribution of Benefits; Provide Environmental Justice	2%		0	
Other Strategies	16%			
Direct Benefit to DAC and/or Native American Communities	4%		0	
Schedule (i.e. Readiness to Proceed)	8%		0	
Inter-Regional Project	2%		0	
Provide Non-Water Related Benefits	2%		0	
Feasibility	9%			
Benefit-Cost Analysis	6%		0	
Financing/Economic Feasibility	3%		0	
TOTAL			100%	

* Each criteria should be given a score between -5 and +5. Enter scores in yellow boxes.

Additional Notes:

Appendix L



GHG Emissions Evaluation Secondary Prioritization
Project Scoresheet

Project Name:

Impacts (post-construction)

- Increases amount of water or wastewater being treated?
- Increases the pumping of water, wastewater or recycled water
- Increases direct GHG emissions (i.e. from digesters)
- Other (please describe)

Neutral (no changes to GHG emissions):

Mitigation/Benefits

- Increases water use efficiency or promotes energy-efficient water demand reduction
- Improves water system energy efficiency
- Reduces treated (potable) water loss
- Advances/expands water recycling
- Promotes urban runoff reuse
- Promotes use of renewable energy sources
- Contributes to carbon sequestration
- Other (no construction impacts, other...please describe)

Notes and Assumptions Used:

1. Assume all projects will require physical construction, and therefore will have GHG emissions relating to construction.

Appendix M



**Infrastructure Life Spans
for Use in Benefit-Cost Analyses**

Item	Life Expectancy	Source
Water Treatment Plants	20 to 50 years	USEPA, Sustainable Infrastructure for Water and Wastewater, http://www.epa.gov/waterinfrastructure/basicinformation.html#five
Pipes	15 to >100 years	USEPA, Sustainable Infrastructure for Water and Wastewater, http://www.epa.gov/waterinfrastructure/basicinformation.html#five
Reservoirs and Dams	50 to 80 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Treatment Plants - Concrete Structures	60 to 70 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Treatment Plants - Mechanical and Electrical	15 - 25 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Trunk Mains	65 to 95 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Pumping Stations - Concrete Structures	60 to 70 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Pumping Stations - Mechanical and Electrical	25 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Distribution	60 to 95 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Interceptors	90 to 100 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Force Mains	25 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Collections	80 to 100 years	USEPA, Clean Water and Drinking Water Infrastructure Gap Analysis Report, September 2002
Groundwater wells	30 to 50 years	Experience; Roscoe Moss <i>Case Study Increased Well Efficiency, Extended Lifetime and Reduced Maintenance through Selection of Stainless Steel Casing and Well Screen</i>
Pumps in new wells	10 years	Roscoe Moss <i>Case Study Increased Well Efficiency, Extended Lifetime and Reduced Maintenance through Selection of Stainless Steel Casing and Well Screen</i>
Study	5 years	
invasive species removal	3 to 5 years	
site restoration	50 to 100 years	

Appendix N



Note to Reader:

The following appendix contains the most current information available at the time of Plan publication.

Please see the East Stanislaus Integrated Regional Water Management Planning website, located at <http://www.eaststanirwm.org/>, for the most recent information.

**East Stanislaus IRWM Plan
Submitted Projects - Benefit-Cost Analysis
(July 2012)**

Project No.	Project Name	Present Value Costs	Cost Score ¹		No. Objs Achieved	Benefits (Goals) ²		B:C ³	Economic Benefit ⁴	Point Assignment
			High	Low		High	Low			
1305	Non-Potable Water System	\$1,045,653	High	1	5	Medium	2	2.0	High	5
1310	Monterey Park Tract Community Safe Drinking Water Project	\$5,786,034	Medium	2	7	Medium	2	1.0	Medium	3
1312	SRWA Regional Surface Water Supply Project	\$386,427,910	Low	3	19	High	3	1.0	Medium	3
1325	Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project	\$8,250,184	Medium	2	2	Low	1	0.5	Low	1
1328	Water Well No. 9	\$1,960,599	High	1	2	Low	1	1.0	Medium	3
1331	7th Street Low Impact Development (LID) Storm Drainage Improvements	\$978,951	High	1	4	Medium	2	2.0	High	5
1334	Municipal Well #41	\$3,588,490	Medium	2	8	Medium	2	1.0	Medium	3
1335	Water Storage Reservoir NW	\$11,592,837	Medium	2	17	High	3	1.5	Medium	3
1338	Well No. 9 Arsenic Treatment Facility	\$190,119	High	1	2	Low	1	1.0	Medium	3
1340	Regional Surface Water Treatment Plant Pipeline Turnout	\$1,159,284	High	1	5	Medium	2	2.0	High	5
1342	Arsenic Mitigation Project	\$20,437,755	Low	3	2	Low	1	0.3	Low	1
1346	DAC and Native American Outreach and Technical Assistance	\$43,319	High	1	3	Low	1	1.0	Medium	3
1347	Online Data Management System	\$215,129	High	1	3	Low	1	1.0	Medium	3
1348	Regional County Island Sewer Connection Study	\$135,749	High	1	1	Low	1	1.0	Medium	3
1349	Regional Water Needs Assessment	\$111,219	High	1	6	Medium	2	2.0	High	5
1350	Integrated Stormwater Resources Management and Groundwater Augmentation Plan	\$380,657	High	1	6	Medium	2	2.0	High	5
1351	Dennett Dam Removal	\$2,009,425	Medium	2	5	Medium	2	1.0	Medium	3
1359	Dos Rios Floodplain and Riparian Habitat Restoration	\$72,906,740	Low	3	6	Medium	2	0.7	Low	1

¹ Cost score based on PV cost ranges: <\$2m = High; \$2-20m = Medium; >\$20m = Low

² Benefit score based on range of number of objectives achieved: >8 = High; 4 - 8 = Medium; <4 = Low

³ Benefit Cost based on total number of goals divided by cost score

⁴ Final score based on BC: 2 ≥ High; 1 - 2 = Medium; 0 - 1 = Low

⁵ Point assignment: high B/C = 5 pts; Medium B/C = 3 pts; Low B/C = 1 pt

Appendix O



Note to Reader:

The following appendix contains the most current information available at the time of Plan publication.

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ESIRWMP Submitted Projects by Type (June 2012)

Project No.	Project Name	Project Type
1305	Non-Potable Water System	Recycled/Non-Potable Water Project - Conveyance Facilities
1306	Water Blending Facility	Potable Water Supply Project - Treatment Facilities
1310	Monterey Park Tract Community Safe Drinking Water Project	Potable Water Supply Project - Conveyance Facilities
1312	SRWA Regional Surface Water Supply Project	Potable Water Supply Project - Treatment and Conveyance Facilities
1319	North Valley Regional Recycled Water Program	Recycled/Non-Potable Water Project - Conveyance Facilities
1325	Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project	Urban Runoff Management Project - Pollution Prevention
1328	Water Well No. 9 and Arsenic Treatment Facility	Groundwater Project - Groundwater Supply Development; Potable Water Supply Project - Treatment Facilities
1331	7th Street Low Impact Development (LID) Storm Drainage Improvements	Urban Runoff Management Project - Stormwater Capture and Reuse/Recharge
1334	Municipal Well #41	Groundwater Project - Groundwater Supply Development
1335	Water Storage Reservoir NW	Potable Water Supply Project - Storage Facilities or Storage Operations
1339	Canal Drive Stormwater Trunk Line	Urban Runoff Management Project - Diversion to Sewer
1340	Regional Surface Water Treatment Plant Pipeline Turnout	Potable Water Supply Project - Conveyance Facilities
1342	Arsenic Mitigation Project	Potable Water Supply Project - Treatment Facilities
1346	DAC and Native American Outreach and Technical Assistance	Outreach Project
1347	Online Data Management System	Data Collection/Management Project
1348	Regional County Island Sewer Connection Study	Wastewater Project - Septic to Sewer Conversion
1349	Regional Water Needs Assessment	Data Collection/Management Project
1350	Integrated Stormwater Resources Management and Groundwater Augmentation Plan	Urban Runoff Management Project - Stormwater Capture and Reuse/Recharge
1351	Dennett Dam Removal	Ecosystem Restoration and Projection Project - Restoration/Revegetation
1353	Northeast Storm Drainage Interceptor Project	Urban Runoff Management Project - Diversion to Sewer
1355	Water Well No. 10	Groundwater Project - Groundwater Supply Development
1356	Water Well No. 11	Groundwater Project - Groundwater Supply Development
1357	Well No. 5 Depth Extension	Groundwater Project - Groundwater Supply Development
1358	Well No. 3 Depth Extension	Groundwater Project - Groundwater Supply Development
1359	Dos Rios Floodplain and Riparian Habitat Restoration	Ecosystem Restoration and Projection Project - Restoration/Revegetation
1360	La Grange Floodplain Restoration and Spawning Gravel Augmentation	Ecosystem Restoration and Projection Project - Restoration/Revegetation
1362	Tuolumne River Trail Project	Water-Based Recreation Project - Parks, Access and Trails

Appendix P



Note to Reader:

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**East Stanislaus IRWM Region
Final Project Prioritization Scores
(July 2012)**

ID No.	Project Name	Project Proponent	Score
1312	SRWA Regional Surface Water Supply Project	City of Modesto on behalf of the SRWA	2.145
1325	Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection	City of Modesto	1.830
1305	Non-Potable Water System	City of Hughson	1.610
1350	Integrated Stormwater Resources Management and Groundwater Augmentation Plan	ESRWMP	1.595
1359	Dos Rios Floodplain and Riparian Habitat Restoration	Tuolumne River Trust	1.465
1346	DAC & Native American Outreach and Technical Assistance	ESRWMP	1.395
1349	Regional Water Needs Assessment	ESRWMP	1.180
1310	Monterey Park Tract	Monterey Park Tract Community Services District	1.100
1334	Municipal Well No. 41	City of Turlock	1.025
1351	Dennett Dam Removal	Tuolumne River Trust	1.025
1335	Water Storage Reservoir NW	City of Turlock	1.025
1347	Online Data Management System	ESRWMP	0.930
1348	Regional County Island Sewer Connection Study	ESRWMP	0.910
1340	Regional Surface Water Treatment Plan Pipeline Turnout	City of Hughson	0.845
1342	Arsenic Mitigation Project	Keyes Community Services District	0.620
1328	Water Well No. 9 and Arsenic Treatment Facility	City of Hughson	0.590
1331	7th Street LID Storm Drainage Improvements	City of Hughson	0.535

Categorization

Max Score = 5

High = 2 to 5 (Green)

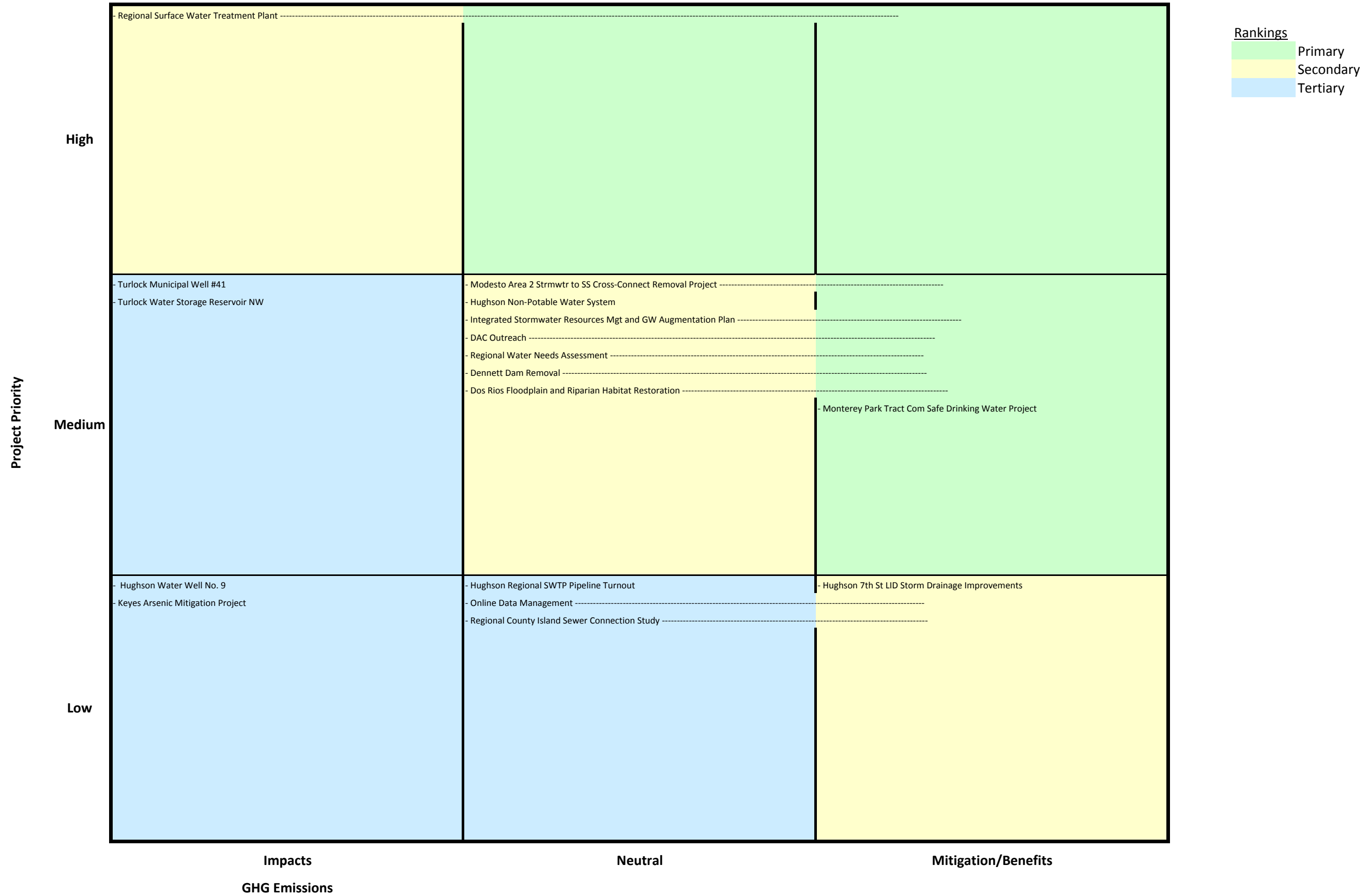
Medium = 1 to 2 (yellow)

Low = 0 (or negative) to 1 (blue)

Conceptual Projects

1306	Water Blending Facility	City of Hughson
1319	North Valley Regional Recycled Water Program	City of Turlock on behalf of NVRWP Partners
1339	Canal Drive Stormwater Trunk Line	City of Turlock
1353	Northeast Storm Drainage Interceptor Project	City of Modesto
1355	Water Well No. 10	City of Hughson
1356	Water Well No. 11	City of Hughson
1357	Well No. 5 Depth Extension	City of Hughson
1358	Well No. 3 Depth Extension	City of Hughson
1360	La Grange Floodplain Restoration and Spawning Gravel Augmentation	Tuolumne River Trust
1362	Tuolumne River Trail Project	City of Waterford

**East Stanislaus IRWMP
Secondary Project Ranking - GHG Emissions Impacts, Benefits and Mitigations**



Rankings

- Primary
- Secondary
- Tertiary

Appendix Q



Potential Funding Sources for East Stanislaus IRWMP Projects Submitted June 2012

Project Name	Implementing Agency	Potential Capital and O&M Funding Sources
Non-Potable Water System	City of Hughson	Local funds
Water Blending Facility	City of Hughson	Local funds
Monterey Park Tract Community Safe Drinking Water Project	Monterey Park Tract Community Services District	Existing grant
Stanislaus Regional Water Authority (SRWA) Regional Surface Water Supply Project	City of Modesto on behalf of the SRWA	TBD
North Valley Regional Recycled Water Program	City of Turlock on behalf of NVRWWP Partners	Existing grant and local funds
Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project	City of Modesto	Local funds
Water Well No. 9	City of Hughson	Local funds
7th Street Low Impact Development (LID) Storm Drainage Improvements	City of Hughson	Local funds
Municipal Well #41	City of Turlock	Local funds
Water Storage Reservoir NW	City of Turlock	Local funds
Well No. 9 Arsenic Treatment Facility	City of Hughson	Local funds
Canal Drive Stormwater Trunk Line	City of Turlock	Local funds
Regional Surface Water Treatment Plant Pipeline Turnout	City of Hughson	Local funds
Arsenic Mitigation Project	Keyes Community Services District	TBD
DAC and Native American Outreach and Technical Assistance	ESRWMP	Local funds
Online Data Management System	ESRWMP	TBD
Regional County Island Sewer Connection Study	ESRWMP	TBD
Regional Water Needs Assessment	ESRWMP	TBD
Integrated Stormwater Resources Management and Groundwater Augmentation Plan	ESRWMP	TBD
Dennett Dam Removal	Tuolumne River Trust	Existing grant and local funds
Northeast Storm Drainage Interceptor Project	City of Modesto	TBD
Water Well No. 10	City of Hughson	TBD
Water Well No. 11	City of Hughson	TBD
Well No. 5 Depth Extension	City of Hughson	TBD
Well No. 3 Depth Extension	City of Hughson	TBD
Dos Rios Floodplain and Riparian Habitat Restoration	Tuolumne River Trust	Existing grant and local funds

Project Name	Implementing Agency	Potential Capital and O&M Funding Sources
La Grange Floodplain Restoration and Spawning Gravel Augmentation	Tuolumne River Trust	TBD
Tuolumne River Trail Project	City of Waterford	TBD

TBD – to be determined

Appendix R



This appendix will be revised to contain copies of the Notices of Intent to Adopt the East Stanislaus IRWM Plan and copies of Adopting Resolutions for the Cities of Modesto, Turlock, Hughson and Ceres once these documents are available.