MADERA SUBBASIN

Sustainable Groundwater Management Act (SGMA)

Joint Groundwater Sustainability Plan

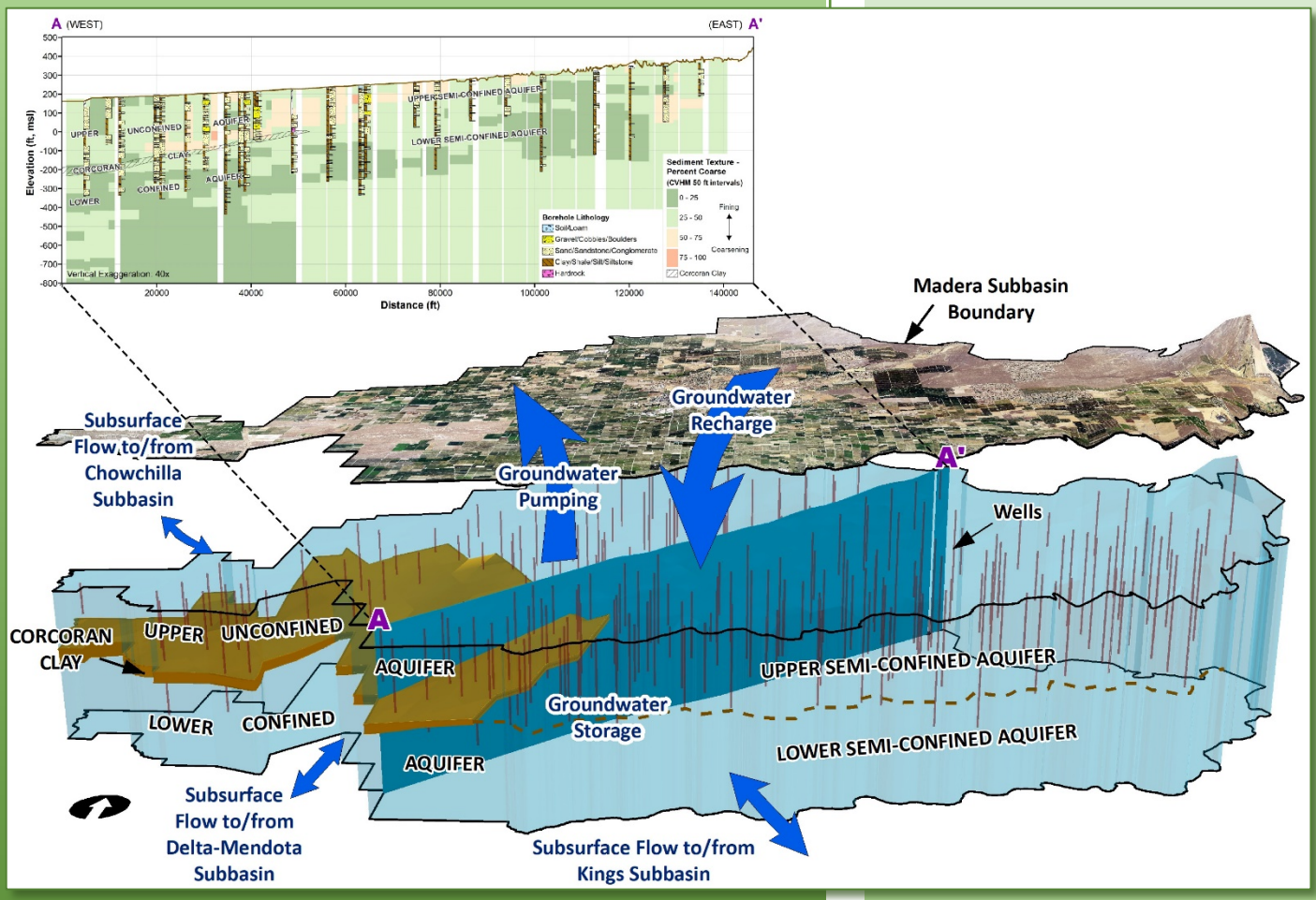
APPENDIX 6. REFERENCES AND TECHNICAL STUDIES

Technical Appendices 6.A. through 6.D.

January 2020

Prepared by

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento



Madera Subbasin

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Prepared For

Madera Subbasin Coordination Committee

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APPENDIX 6. REFERENCES AND TECHNICAL STUDIES

6.A. Interbasin and Coordination Agreements (Reg. § 357)

6.B. Contact Information for Plan Manager and GSA Mailing Address (Reg. § 354.6)

6.C. List of Public Meetings (Reg. § 354.10)

6.D. Groundwater Model Documentation

APPENDIX 6.A. INTERBASIN AND COORDINATION AGREEMENTS (AS APPLICABLE) (REG. § 357)

Prepared as part of the

Joint Groundwater Sustainability Plan
Madera Subbasin

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

MADERA SUBBASIN COORDINATION AGREEMENT

THIS MADERA SUBBASIN COORDINATION AGREEMENT ("Agreement") is entered into the 22nd day of January 2020 (the "Effective Date"), by and between the Groundwater Sustainability Agencies of the COUNTY OF MADERA ("COUNTY"), the CITY OF MADERA ("CITY"), the MADERA IRRIGATION DISTRICT ("MID"), the ROOT CREEK WATER DISTRICT ("RCWD"), the MADERA WATER DISTRICT ("MWD"), the GRAVELLY FORD WATER DISTRICT ("GFWD"), and the NEW STONE WATER DISTRICT ("NSWD"), collectively hereinafter referred to as the "Parties," or individually as a "Party."

RECITALS

A. WHEREAS, on September 16, 2014, the Governor of the State of California signed the Sustainable Groundwater Management Act ("SGMA") into law, consisting of Senate Bills 1168 and 1319, and Assembly Bill 1739 collectively, codified at Water Code sections 10720, *et seq.*; and

B. WHEREAS, each Party overlies the Madera Groundwater Subbasin ("Madera Subbasin"), which is defined by the California Department of Water Resources ("DWR") in Bulletin 118 as Basin Number 5-22.06, and may be modified from time to time in accordance with Water Code section 10722.2; and

C. WHEREAS, the Madera Subbasin has been designated by DWR as a high-priority basin in a state of "critical overdraft"; and

D. WHEREAS, SGMA requires that California groundwater basins and subbasins be managed by a Groundwater Sustainability Agency ("GSA") or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan ("GSP"), or multiple coordinated GSPs; and

E. WHEREAS, County, City, MID and MWD have developed one GSP; RCWD has developed one GSP; GFWD has developed one GSP; and NSWD has developed one GSP, such that the Madera Subbasin is governed by four separate GSPs; and

F. WHEREAS, the Madera Subbasin has no adjudicated areas or areas covered by an Alternative to a GSP as described in Water Code Section 10733.6; and

G. WHEREAS, SGMA requires GSAs in all subbasins that are managed by more than one GSP to enter into a coordination agreement to coordinate the multiple GSPs to sustainably manage the subbasin; and

H. WHEREAS, Title 23 of the Code of California Regulations outlines the requirements for this Agreement and requires the Parties to include a copy of this signed Agreement as part of their GSP; and

I. WHEREAS, the Parties developed and are utilizing the same foundational Madera Subbasin data and analysis methodologies as the basis for each GSP to assure the GSPs are developed, and will be implemented, using the same data and methods.

NOW, THEREFORE, in consideration of the mutual promises, covenants and conditions contained herein and these Recitals, which are hereby incorporated herein by this reference, it is agreed by and among the Parties as follows:

SECTION 1 - PURPOSE

1.1 Compliance with SGMA

The purpose of this Agreement is to comply with SGMA's GSP coordination agreement requirement. Under SGMA, the purpose of a coordination agreement is to ensure the GSPs within the Madera Subbasin are developed and implemented utilizing the same methodologies and foundational data and to ensure the GSPs affecting a basin are appropriately coordinated to achieve sustainable management of the basin and consistent interpretations of the basin setting. Such methodologies and/or foundational data includes, without limitation, groundwater elevation data, groundwater extraction data, surface water supply, total water use, changes in groundwater storage, subbasin water budgets, and subbasin sustainable yield as required by SGMA and associated regulations.

To support SGMA's GSP coordination requirement, this Agreement describes the responsibilities of each Party for meeting the terms of this Agreement, the procedures for the exchange of information between the Parties and the procedures for resolving conflicts between the Parties.

The Parties also desire to set forth the information necessary to show how the implementation of the four GSPs in the Madera Subbasin will satisfy the requirements of SGMA and are in substantial compliance with the regulations adopted thereunder.

This Agreement shall remain in effect until December 31, 2024 unless terminated earlier by the Parties as provided herein.

SECTION 2 – DEFINITIONS

2.1 "Agreement" shall mean this Madera Subbasin Coordination Agreement, which is entered into pursuant to and intended to be consistent with Water Code section 10727.6 and 23 CCR Section 357.4.

2.2 "Coordinated Plan Expenses" shall mean any expenses incurred by the Point of Contact for purposes of its duties under this Agreement.

2.3 "Coordination Workgroup" shall mean the workgroup of GSA Representatives established pursuant to this Agreement.

2.4 "GSA" shall mean a Groundwater Sustainability Agency established in accordance with SGMA and "GSAs" shall mean more than one such Groundwater Sustainability Agency.

2.5 "GSA Representative" and its plural forms as appropriate shall mean a member of the Coordination Workgroup selected by a GSA to represent such GSA in accordance with Section 5.1.2 – 5.1.4 of this Agreement. The names of each initial GSA Representative appointed by each GSA (the "GSA Representative List") is set forth on Exhibit A to this Agreement.

2.6 "GSA Alternate Representative" and its plural forms shall mean an alternate member of the Coordination Workgroup selected by a GSA to represent such GSA in accordance with Section 5.1.2-5.1.4 of this Agreement. A GSA Alternate Representative shall serve in the absence of the respective GSA Representative and shall be entitled to cast the vote for the GSA only in the absence of that GSA's GSA Representative. A list of the names of each GSA Alternate Representative appointed by each GSA is set forth on the GSA Representative List.

2.7 "GSP" shall mean a Groundwater Sustainability Plan adopted by one or more GSAs for the Madera Subbasin and "GSPs" shall mean more than one such Groundwater Sustainability Plan.

2.8 "Point of Contact" shall mean an entity or individual, appointed at the pleasure of the Coordination Workgroup to serve as the Madera Subbasin's point of contact with the Department of Water Resources pursuant to 23 CCR 357.4(b)(1). The initial Point of Contact shall be Davids Engineering.

2.9 "SGMA" shall mean the Sustainable Groundwater Management Act, as amended from time to time, commencing at Water Code section 10720, together with its implementing regulations, set forth at Title 23, California Code of Regulations, Division 2, Chapter 1.5, Subchapter 2.

2.10 "Withdrawal" means withdrawal by a Party from this Agreement.

SECTION 3 – GENERAL GUIDELINES

3.1 Responsibilities of the Parties

3.1.1 Obligation to Coordinate

The Parties to this Agreement agree to work collaboratively to coordinate the GSPs as provided in this Agreement and to meet the objectives of SGMA for the Madera Subbasin. Each Party to this Agreement is a GSA and acknowledges that (i) it is bound by the terms of this Agreement, and (ii) that it intends to implement the projects and demand management actions within its jurisdictional area in accordance with the GSP governing such GSA, as may be amended from time to time, or as needed to meet the requirements of SGMA.

3.1.2 Submissions to Point of Contact

(a) Each Party shall provide its GSP to the Point of Contact no later than three business days before it is due to DWR and authorizes the Point of Contact to submit such GSP to DWR.

(b) After adoption of the GSPs, each Party shall provide its Annual Report as required by 23 CCR Section 356.2 in writing to the Point of Contact on or before March 20 for each year beginning March 20, 2020, through the expiration of this Agreement.

(c) The Annual Report shall include the information required by 23 CCR Section 356.2 and any other information required by DWR by regulation.

(d) If, based on the Annual Reports, the Point of Contact believes a cumulative negative balance exists between the completed projects and the planned projects for any GSA(s), within 10 business days the Point of Contact shall submit the issue to the Coordination Workgroup for review. If the Coordination Workgroup or any Party believes the cumulative negative balance conflicts with one or more GSPs or triggers the Minimum Thresholds in one or more of the GSPs, the Parties shall follow the Procedures for Resolving Conflicts described in Section 15 of this Agreement.

3.1.3 Obligations Outside of Agreement

(a) Representation on Coordination Workgroup. Each Party understands its participation, as more fully set forth in Section 5 of this Agreement, is based on representation through and by a single GSA Representative and a single GSA Alternate Representative for each Party. It is the responsibility and obligation of each Party under this Agreement to develop its own arrangements for how its respective GSA Representative and Alternate Representative are selected.

(b) Representatives. The Coordination Workgroup and its members shall have no requirement to recognize a decision or representation from any Party to this Agreement other than through such GSA's designated GSA Representative(s). For purposes of this Agreement, it is assumed the GSA Representatives have been duly authorized by the Parties to participate as described herein.

(c) GSA Designation of Representative and Alternate Representative. By signing this Agreement, each Party commits to provide written documentation to the Point of Contact and the other members of the Coordination Workgroup of the authorization of its GSA Representative(s). However, the Point of Contact shall not be obligated to evaluate or provide an opinion on the legal sufficiency of the documentation. Upon receipt of such documentation from a GSA showing a change in the GSA Representative or the GSA Alternate Representative, in accordance with Section 5.1.2 below, the Point of Contact shall update Exhibit A to reflect the then-current list of GSA Representatives or GSA Alternate Representatives and provide a copy of such updated Exhibit A to each GSA that is a Party to this Agreement.

3.1.4 Implementation of Individual GSPs

Nothing in this Agreement shall be interpreted to give any GSA the right or obligation to implement a GSP adopted by another GSA for the basin. The sole purpose of this Agreement is to provide for the coordination of the GSPs for the Madera Subbasin pursuant to 13 CCR Section 357.4, which requires a coordination agreement that meets the requirements of such Section 357.4.

SECTION 4 – FINANCIAL MATTERS

4.1 Coordination Expenses

Except as expressly set forth in this Agreement, each Party shall bear its own costs associated with activities performed under this Agreement. No Party shall incur debts, liabilities, or obligations on behalf of any other Party.

4.2 Contracting for Services

Each of the Parties shall contract with the Point of Contact in their respective capacities as individual GSAs. Nothing in this Agreement shall be construed as to create a fiscal agent relationship between the Parties, or between the Parties and the Point of Contact, or any other individuals or entities.

4.3 Point of Contact Coordinated Plan Expenses

The Parties agree that all fees or costs for the Point of Contact's services for Coordinated Plan Expenses shall be allocated by the Point of Contact among the Parties based on the following guidelines:

4.3.1 Questions to/from DWR and the Point of Contact regarding a specific GSP shall be allocated to the Parties who adopted such GSP. By way of example only, if there is a question from DWR regarding the content of GFWD's GSP, then all fees or expenses associated with such question/answer shall be the sole responsibility of GFWD. Similarly, if there is a question from DWR regarding the content of the GSP adopted by County, City, MID and MWD, all fees or expenses associated with such question/answer shall be the responsibility of those four Parties to be allocated by such four Parties as determined by such Parties

4.3.2 General Questions regarding the Madera Subbasin to/from (i) DWR and the Point of Contact or (ii) the Point of Contact and the Parties shall be shared evenly among the Parties, i.e., each Party shall pay one-seventh of such expense.

4.3.3 Questions to/from DWR and the Point of Contact regarding the coordination of the GSPs shall be allocated four ways with the Party(ies) adopting the GSPs each paying one-fourth of such expense (recognizing that County, City, MID and MWD will share the one-fourth associated with their joint GSP).

4.3.4 With respect to the Data Management System ("DMS") required by SGMA, each Party agrees to pay one-seventh of the cost of the data management system for the

Madera Subbasin. For purposes of clarification only, the Parties acknowledge the expenses associated with the DMS may be shared equally with the Chowchilla Subbasin and that, in such situation, each Party to this Agreement shall pay one-seventh of the one-half share associated with the Madera Subbasin.

4.3.5 The Parties agree to reevaluate the cost sharing provisions set forth in Section 4.3 on or before January 31, 2022 to determine whether such allocations are an equitable way to share such expenses among the Parties.

4.4 Other Cost-Sharing Arrangements. If the Parties agree to perform activities that involve a financial obligation other than as set forth above, the Parties shall agree to a written cost-sharing arrangement ("Cost Sharing Agreement") as a part of approving and undertaking such activity. Unless a Party has agreed to be bound by a Cost Sharing Agreement, such Party shall have no obligation for the financial obligations described in such Cost Sharing Agreement.

SECTION 5 – RESPONSIBILITIES FOR KEY FUNCTIONS

5.1 Coordination Workgroup

5.1.1 The Parties agree to establish a Coordination Workgroup to provide a forum for the Parties to coordinate the GSPs for the basin and satisfy the coordination obligation of SGMA. The Coordination Workgroup will replace the Coordination Workgroup created under that certain Madera Subbasin Coordination Committee Charter dated March 22, 2019 (the "Charter") originally entered in by each of the Parties except NSWD and recognizing GFWD and RCWD subsequently withdrew therefrom. The Charter shall be terminated by a separate agreement entered into by the parties to such Agreement upon execution of this Agreement by all of the Parties. Further, the Parties acknowledge that certain Memorandum of Understanding With Respect to the Preparation of a Groundwater Sustainability Plan Within the Madera Subbasin dated November 1, 2017 will expire on its own terms when the GSPs are adopted by the respective Parties.

5.1.2 The Coordination Workgroup will consist of the GSA Representatives identified on Exhibit A, attached hereto and incorporated herein by reference, and as may be modified from time to time pursuant to Section 13 of this Agreement. Pursuant to Section 3.1.2 above, each GSA shall be entitled to one GSA Representative and one Alternate GSA Representative. A GSA Alternate Representative shall only be authorized to act in the absence of the GSA Representative for such Party.

5.1.3 Individuals serving as GSA Representatives and Alternate Representatives shall be selected by each respective GSA in the sole discretion of such GSA. Such appointments shall be effective upon the GSA providing written notice to the Point of Contact of such appointment.

5.1.4 The Coordination Workgroup will recognize each GSA Representative and GSA Alternate Representative until such time as a GSA provides written notice of removal and replacement to the Point of Contact. Each GSA shall promptly fill any vacancy created by the removal of such Representative or Alternate Representative so

that each GSA shall have a validly designated Representative and Alternate Representative during the entire term of this Agreement.

5.1.5. Meeting notes of the Coordination Workgroup will be prepared and maintained by the Point of Contact as set forth in Section 5.5.5.

5.1.6. The Coordination Workgroup is not a legal entity with the power to sue or be sued, to enter into contracts, or to enjoy the benefits or accept the obligations of a legal entity.

5.2. Designation of Point of Contact

The Parties agree Davids Engineering shall be the Point of Contact with the Department of Water Resources for the Madera Subbasin, as well as each of the GSPs and Parties for purposes of their respective GSPs. In the event of the removal of or resignation by the Point of Contact, the Parties shall appoint a new Point of Contact.

(a) The Point of Contact shall have no authority to manage each individual GSP for the Madera Subbasin. Instead, the Point of Contact shall be responsible for submitting the GSPs for the Madera Subbasin after they have been uploaded by the GSAs, submitting this Agreement, submitting the Annual Reports required under SGMA and communicating with DWR with respect to the GSPs.

(b) The Point of Contact shall manage and maintain an "Interested Parties" list for the Madera Subbasin.

(c) The Point of Contact shall request meetings of the Coordination Workgroup on an as needed basis and shall attend the Annual Meeting of the Coordination Workgroup as defined below, to meet and discuss the status of the respective GSPs or to respond to any questions or concerns expressed by DWR to the Point of Contact.

(d) The Parties agree to provide the Point of Contact with copies of its respective GSP and any subsequent amendments within 10 business days after the adoption of any amendment to a GSP, supporting information for any GSP, Annual Reports, and monitoring data. Notwithstanding the foregoing, in no event shall such GSP, Annual Report or other information be provided to the Point of Contact any later than three days prior to the deadline for such amendment, supporting information, or Annual Report.

(e) The Point of Contact has no authority to represent the Coordination Workgroup with respect to any matter not designated by this Agreement without specific authority from the Parties. The Point of Contact shall disclose all substantive communications s/he transmits and receives in his/her capacity as Point of Contact for the Madera Subbasin, whether such communication is from the State Water Resources Control Board, the Department of Water Resources or another person or agency, to each member of the Coordination Workgroup, whether such communication is by email, facsimile or any other communication method in a timely manner. If the Point of Contact

receives any substantive or material questions regarding the Madera Subbasin from a third party, whether such party is a natural person, State public agency or local public agency, the Point of Contact shall not provide a response unless and until the Point of Contact has consulted with the Coordination Workgroup.

(f) If there is a lack of consensus on an issue amongst the GSAs in the Madera Subbasin with respect to a question or inquiry from DWR, the Point of Contact shall convey the positions of each GSA within the basin to DWR, regardless of the Point of Contact's agreement on the positions and policies of any GSA.

5.3 Coordination Workgroup Authorized Actions and Limitations

5.3.1 Authorized Actions

The Coordination Workgroup is authorized to meet and discuss the following enumerated items:

(a) The Coordination Workgroup shall review those matters brought to the attention of the Coordination Workgroup by the Point of Contact or another GSA with respect to the Madera Subbasin. If inconsistencies are identified in the representation of the Madera Subbasin foundational data among the GSPs, the Coordination Workgroup shall meet and discuss the identified inconsistencies, and provide a recommendation to the Parties for resolution of the inconsistencies after attempting to obtain unanimous consent pursuant to Section 5.6.3 of this Agreement.

(b) Once the GSPs for the Madera Subbasin have been submitted to and approved by DWR, the Coordination Workgroup shall review and update the subbasin foundational data as needed, review the Annual Report and five-year assessment of the GSPs and recommend any needed revisions to this Agreement. The Coordination Workgroup may also provide review and assistance with coordinated projects and programs if requested by the affected GSAs.

(c) Each Member of the Coordination Workgroup shall review and recommend approval to their respective GSAs of any work plans recommended by the Coordination Workgroup and review and recommend approval to their respective GSAs any annual estimates of Coordinated Plan Expenses presented by the Point of Contact and any updates to such estimates; provided, that such estimates or updates with supporting documentation shall be circulated to all Parties for comment at least 30 days in advance of the meeting at which the Coordination Workgroup will review the annual estimate.

(d) The Coordination Workgroup shall take action to appropriately direct the Point of Contact in the performance of his/her duties under SGMA.

(e) The Coordination Workgroup may recommend one or more projects or management actions to be considered for the basin, but no GSA shall be obligated to implement such action.

(f) The Coordination Workgroup may discuss and recommend approval to their respective GSAs to change the designated Point of Contact to another person or entity.

5.3.2 Limitations

When the terms of this Agreement or applicable law require the approval of a Party, that approval shall be required to be in writing as provided in Section 6.1 of this Agreement.

5.4 Sub-workgroups

The Coordination Workgroup may appoint sub-workgroups, such as a technical ad-hoc workgroup ("Technical Ad-Hoc Workgroup"), or otherwise respond to or direct the Point of Contact. Such sub-workgroups may include qualified individuals possessing the knowledge and expertise to advance the goal of coordinating the GSPs for the Madera Subbasin, whether or not such individuals are GSA Representatives or Alternate Representatives. Tasks assigned to sub-workgroups or staff made available by one or more Parties may include making recommendations to the Parties concerning developing technical data, supporting information, and/or recommendations on various matters.

5.5 Coordination Workgroup Meetings

5.5.1 Timing

Any two GSA Representatives, or the Point of Contact, may call meetings of the Coordination Workgroup as needed to carry out the activities described in this Agreement. There shall be at least one meeting of the Coordination Workgroup per year and, unless the Parties agree otherwise, such meeting (the "Annual Meeting") shall be at 10 a.m. on the second Thursday in February commencing in February 2020.

5.5.2 Agenda

No later than 20 days before the Annual Meeting, each Party shall submit to the Point of Contact those topics a Party wishes to discuss with the Coordination Workgroup at the Annual Meeting. The Point of Contact shall then prepare and distribute the Agenda to the GSA Representatives and Alternative Representatives at least 10 days before the Annual Meeting.

5.5.2 Quorum

A majority of the GSA Representatives listed on Exhibit A shall constitute a quorum of the Coordination Workgroup for the Annual Meeting; provided, that at least one GSA Representative from every GSA must be present at a meeting for any Coordination Workgroup vote on a matter described in section 5.3.1 to take place. The GSA Alternate

Representative(s) of each GSA shall be counted towards a quorum and as the representative(s) in the absence of the GSA Representative for which the GSA Alternate has been appointed. If less than a quorum is present, GSA Representatives and Alternate Representatives present may, by majority vote, elect (i) to hear reports and discuss items on the agenda before the Coordination Committee, but no action may be taken, or (ii) reschedule the meeting.

5.5.4 Open Attendance

Members of the public, stakeholders, and representatives of the Parties who are not appointed as GSA Representatives may attend all meetings of the Coordination Workgroup, and shall be provided with an opportunity to comment on matters on the meeting agenda. The Point of Contact should provide notice of all Coordination Workgroup meetings to the Interested Parties List for the Madera Subbasin.

5.5.5 Meeting Notes

All notes for meetings and telephone calls between the Point of Contact and DWR shall be taken and maintained by the Point of Contact and, once such notes are approved by the Point of Contact, shall be made available by the Point of Contact to the members of the Coordination Workgroup. All minutes for meetings of the Coordination Workgroup shall be maintained by the Point of Contact and, after they have been approved by those members of the Coordination Workgroup who attended the meeting, provided to each Party.

5.6 Voting by Coordination Workgroup

5.6.1. In the event a vote of the Coordination Workgroup is necessary, each GSA Representative shall be entitled to one vote for the Coordination Workgroup. It shall be up to each Party to determine how the vote of its GSA Representative (or, if applicable, GSA Alternate Representative) will be cast.

5.7 Rules of Order

Unless otherwise provided for in this Agreement, meetings of the Coordination Workgroup shall be conducted by Rosenberg's Rules of Order.

SECTION 6 – APPROVAL BY INDIVIDUAL PARTIES

6.1 Written Approvals

Where the law or this Agreement require separate written approval by each of the Parties, such approval shall be evidenced in writing by providing a copy of the resolution, motion, or minutes of their respective GSA Boards of Directors to the Point of Contact. The Point of Contact shall notify the Coordination Workgroup and the affected GSA of any missing approvals.

SECTION 7 – EXCHANGE OF DATA AND INFORMATION

7.1 Exchange of Information

The Parties acknowledge and recognize the Parties will need to exchange information amongst and between the Parties in order to coordinate the GSPs and sustainably manage the Madera Subbasin.

7.2 Procedure for Exchange of Information

7.2.1 The Parties shall exchange public and non-privileged information through collaboration and/or informal requests made at the Coordination Workgroup level. However, to the extent it is necessary to make a written request for information to another Party, such written request shall be made to the applicable GSA Representative. Requests may be communicated in writing and transmitted in person, by mail, facsimile machine, or other electronic means to the appropriate GSA Representative. The GSA Representative shall respond in a reasonably timely manner.

7.2.2 Nothing in this Agreement shall be construed to prohibit any Party from voluntarily exchanging information with any other Party by any other mechanism separate from the Coordination Workgroup.

7.2.3 The Parties agree each GSA shall provide the foundational data required to develop the Subbasin-wide coordinated water budget, but any personal information included in a report or record pursuant to this Section 7 has the same protection from disclosure as is provided for information concerning utility customers of local agencies pursuant to Section 6254.16 of the Government Code.

7.2.4 To the extent a Party receives a court order, subpoena, or the California Public Records Act which is applicable to such Party and the information sought from such Party was provided by another Party, the responding Party shall notify each other Party in writing of its proposed release of information in its possession in order to provide the other Parties with the opportunity to seek a court order preventing such release of information in responding to a request made pursuant to that Act for release of information exchanged from another Party, prior to responding to any such request for records.

SECTION 8 – METHODOLOGIES AND ASSUMPTIONS

8.1 SGMA Coordination Requirements

Pursuant to SGMA, a purpose of a coordination agreement is to ensure the individual GSPs for a basin or Subbasin utilize the same foundational data or methodologies for gathering information and developing the methods used to determine: 1) groundwater elevation in wells; 2) groundwater extraction data; 3) surface water supply; 4) total water use; 5) changes in groundwater storage; 6) subbasin water budgets; and 7) subbasin sustainable yield.

8.2 Coordination During GSP Development

During development of the GSPs, the Parties agreed to use agreed-upon methodologies or foundational data to develop assumptions about 1) groundwater elevation; 2) groundwater extraction data; 3) surface water supply; 4) total water use; 5) changes in groundwater storage; 6) subbasin water budgets; and 7) subbasin sustainable yield. This development has been facilitated through a prior coordination workgroup and, after execution of this Agreement, will be facilitated through the Coordination Workgroup, the Technical Ad-Hoc Workgroup (if any), or a different workgroup of the technical staff provided by all of the Parties.

The "Data Collection and Analysis" used by each of the GSPs is summarized in a report by Davids Engineering Inc. and Luhdorff & Scalmanini dated July 2017. The method identified within that report is the method used within the Madera Subbasin for the determinations listed in Section 8.1. The "Draft Preliminary Basin Boundary Water Budget," developed by Davids Engineering Inc. and Luhdorff & Scalmanini dated February 2018 proposed the draft Madera Subbasin water budget. The "Data Collection and Analysis" and the "Draft Preliminary Basin Boundary Water Budget" are referred to collectively as the "GSP Foundational Data Documents."

Each of the Parties executing this Agreement represents and warrants to each of the other Parties that the GSP Foundational Data Documents were used and applied to that GSP adopted by such Party.[1] Each GSA's water budget information is described more particularly on Exhibit B to this Agreement (the "Individual Water Budgets").

If the Coordination Workgroup unanimously agrees the GSP Foundational Data Documents should be revised or supplemented and adopts new Foundational Data Documents, each GSA will revise their applicable GSP to adopt such new Foundational Data Documents.

8.3 Technical Memoranda Required

The foundational data and methodologies for assumptions described in Water Code Section 10727.6 and 23 CCR Section 357.4, to prepare coordinated plans have been set forth in the GSP Foundational Data Documents, and have been further vetted and discussed by the Parties for use in each GSP.

SECTION 9 – MONITORING NETWORK

9.1 Development of Monitoring Network

In accordance with SGMA, each of the GSPs adopted for the Madera Subbasin includes a description of a monitoring network for that GSP. The purpose of each monitoring network shall be to facilitate the collection of data in order to further characterize groundwater and related surface water conditions in the Madera Subbasin and evaluate changing conditions that occur

[1] The Parties recognize there are certain non-significant variances in the calculations of the impact of various sources of recharge and intend to develop further data or information through the DMS to further narrow such variances. Such additional data will help to refine, prove or disprove models and/or presumptions included in the respective GSPs.

from implementation of the individual GSPs. Each GSP also describes the monitoring network's objectives for that portion of the Madera Subbasin monitored pursuant to a GSP, including an explanation of network development and implementation to monitor groundwater and related surface conditions, and the interconnection of surface water and groundwater.

9.2 Provision of Data

Each GSA shall provide the Coordination Workgroup copies of all relevant data and information for their respective representative monitoring sites established in accordance with 23 CCR Section 354.36, as amended from time to time, including but not limited to: (1) surface water deliveries, (2) groundwater production, and (3) land uses.

SECTION 10 – COORDINATED WATER BUDGET

10.1 Preparation

In accordance with SGMA, the Parties agreed upon a single coordinated Madera Subbasin-wide water budget for the Madera Subbasin for use in the respective GSP in which each of the Parties hereto are participating. The Madera Subbasin-wide water budget includes providing an estimate of the total annual volume of groundwater and surface water entering and leaving the Madera Subbasin, including historical, current and projected water budget conditions, and the change in the volume of water stored and the sustainable yield of the entire Madera Subbasin.

The water budget for each of the Parties is described in the Individual Water Budgets. Each Party understand these estimates were completed using best available science and data. Where data gaps exist, the Parties intend to conduct the work necessary to substantiate or improve the estimations and assumptions developed for determining the Individual Water Budgets. Each of the Parties agrees that nothing in this Agreement or in any GSP adopted by a Party determines or alters surface water rights or groundwater rights under common law or any provision of law that determine or grants surface water rights.

10.2 Best Available Information and Science

During the term of this Agreement and to the extent feasible, the Parties will consider the best available information and best available science to further quantify the subbasin-wide water budget for the Madera Subbasin in order to provide an understanding of historical and projected hydrology, water demand, water supply, land use, population, climate change, sea level rise, groundwater and surface water interaction, and subsurface groundwater flow.

SECTION 11 – COORDINATED DATA MANAGEMENT SYSTEM

11.1 Coordinated Data Management System

The Parties will develop and maintain a coordinated data management system that is capable of storing and reporting information from each GSP's monitoring network system relevant to the reporting requirements and/or implementation of the GSPs and monitoring network of the Madera Subbasin.

11.2 Separate Data Management Systems

The Parties acknowledge each GSP provides for a separate data management system. Each separate data management system developed for each GSP will store information related to implementation of each individual GSP, monitoring network data and monitoring sites requirements, and GSP-specific water budget data requirements. Each data management system will be capable of reporting all pertinent information to the Coordination Workgroup. After providing the Coordination Workgroup with data from the individual GSPs, the Coordination Workgroup will ensure the data is stored and managed in a coordinated manner throughout the Madera Subbasin as provided in Section 11.1 above and reported to DWR annually as required.

The Coordination Workgroup shall work together to obtain the services of a consultant for the design, development and implementation of data management system ("DMS") for entering, storing and maintaining data related to the implementation of the GSP. The DMS provides the capability to handle the diverse datasets that will need maintenance such as time-series data, GIS data (vector and raster datasets), and other files such as images and text files. The DMS shall interact with other applications including for ongoing analyses, serving data for public information, or output of data in formats compatible for submittal to DWR.

SECTION 12 – ADOPTION AND USE OF THE COORDINATION AGREEMENT

12.1 Coordination of GSPs

Each Party is responsible to ensure that its own GSP complies with the statutory requirements of SGMA including, but not limited to, the filing deadline. The Parties to this Agreement intend that their individual GSPs be coordinated together in order to satisfy the requirements of SGMA and to be in substantial compliance with Title 13 of the California Code of Regulations. It is the intent of the Parties that the collective GSPs satisfy the requirements of Sections 10727.2 and 10727.4 of the Water Code by providing, among other things, a description of the physical setting and characteristics of the aquifer systems within the Madera Subbasin, the measurable objectives for each such GSP, interim milestones, and monitoring protocols that together provide a detailed description of how the Madera Subbasin as a whole will be sustainably managed.

12.2 GSP and Coordination Agreement Submission

The Parties agree to submit their respective GSPs to DWR through the Point of Contact in accordance with all applicable requirements. To this end, the Parties agree to act in good faith in avoiding undue delay in the GSP approval and GSP submission process.

SECTION 13 – MODIFICATION AND TERMINATION

13.1 Modification or Amendment of Exhibit A

The Parties agree the Point of Contact shall have the unilateral right to update the GSA Representative List on Exhibit A for all Parties to this Agreement upon receipt of any changes in the Representative List pursuant to Section 5.1.4 above. Upon such modification, the updated Exhibit A shall be a replacement to the previous version of such Exhibit A and shall become a

part of this Agreement without further action or amendment of this Agreement by the Parties being required. The Point of Contact shall also circulate a copy of the updated Exhibit A to all GSA Representatives and GSA Alternate Representatives.

13.2 Amendment for Compliance with Law

Should any provision of this Agreement be determined not to be in compliance with the legal requirements of coordination agreements under circumstances where amendment of the Agreement to include a provision addressing the legal requirement will cure the non-compliance, each of the Parties agree to cooperate in promptly preparing and obtaining the approval of such amendment.

13.3 Modification or Amendment of Coordination Agreement

Except as provided in Sections 13.1, the Parties hereby agree that this Agreement may be supplemented, amended, or modified only by a writing signed by all Parties.

SECTION 14 – WITHDRAWAL

14.1 Jeopardy of Intervention

The Parties recognize SGMA requires an intra-basin coordination agreement if multiple GSAs within a subbasin submit multiple GSPs to DWR for review and approval pursuant to Water Code section 10727(b)(3). Thus, the Parties recognize that the withdrawal of any Party from this Agreement, whether before or after the Madera Subbasin GSPs are submitted to DWR, places the Madera Subbasin in jeopardy of being subject to intervention by the State Water Resources Control Board ("SWRCB"), including being designated on probationary status, and being subject to an interim plan promulgated by the SWRCB.

14.2 No Termination of Agreement

Should a Party decide to unilaterally withdraw from this Agreement, such withdrawal shall only be effective upon 30 days written notice to the Point of Contact and all other Parties, and such withdrawal will not cause a termination of this Agreement as to the remaining Parties.

14.2.1 Upon receipt of written notice of withdrawal from this Agreement by a Party, the Point of Contact shall immediately cease acting as the Point of Contact for the Withdrawing Party and shall have no further authority to incur any new expenses on behalf of the Withdrawing Party. The Withdrawing Party shall have no obligation for expenses incurred by the Point of Contact after such withdrawal.

14.2.2 The Withdrawing Party shall remain obligated to pay its share of any expenses included in a Cost Sharing Agreement unless otherwise provided in such Cost Sharing Agreement.

14.2.3 Upon withdrawal, the Withdrawing Party acknowledges it has a continuing obligation to comply with SGMA and any coordination guidelines or

regulations issued by DWR. This obligation shall survive the withdrawal from this Agreement and is for the express benefit of the remaining Parties.

14.3 Remedies

Subject to the requirements of Section 15 below, nothing in Section 14 shall be construed as a limitation on the right of a Party to seek legal remedies against a Withdrawing Party.

SECTION 15 – PROCEDURES FOR RESOLVING CONFLICTS

15.1 Procedures for Resolving Conflicts

If any dispute arises among the Parties relating to this Agreement or the rights and obligations arising from this Agreement, the aggrieved Party or Parties shall provide written notice to the Coordination Workgroup of the dispute. Within 10 days after such written notice, the Point of Contact shall call a meeting of the Coordination Workgroup. The Coordination Workgroup shall attempt in good faith to resolve the dispute through informal means for a period of 30 days. If the Parties, through the Coordination Workgroup, cannot agree upon a resolution of the dispute within 30 days from the date of the first meeting of the Coordination Workgroup on the issue in dispute, the Parties may elect to submit the dispute to voluntary mediation prior to commencement of any legal action. If each of the Parties to the mediation agree to a mediation, the cost of mediation shall be paid in equal proportion among the Parties to the dispute. Upon completion of mediation, if any, and if the controversy has not been resolved, any Party may exercise any and all rights to bring a legal action relating to the dispute.

15.2 Litigation

In the event a dispute or claim is not resolved by a mutually agreeable settlement through negotiation or mediation, the aggrieved Party may file suit in the Madera County Superior Court, pursuant to Section 17.2 of this Agreement.

SECTION 16 - NOTICES

All notices required or permitted by this Agreement shall be in writing, and may be delivered in person (by hand or by courier) or may be sent by regular, certified, or registered mail or U.S. Postal Service Express Mail, with postage prepaid, or by facsimile transmission, or by electronic transmission (email) and shall be deemed sufficiently given if served in a manner specified in this Section 16. The addresses and addressees noted below are that Party's designated address and addressee for delivery or mailing of notices.

To COUNTY: County of Madera
Stephanie Anagnoson
200 W. 4th Street, 4th Floor
Madera, CA 93637

To CITY:	City of Madera Keith Helmuth 205 West 4th Street Madera, CA 93637
To MID:	Madera Irrigation District Thomas Greci, Manager 12152 Road 28 1/4 Madera, CA 93637
To NSWD:	New Stone Water District Roger Skinner 9500 South DeWolf Avenue Selma, CA 93662
To RCWD:	Root Creek Water District Julia Berry, General Manager P.O. Box 27950 Fresno, CA 93729
To MWD:	Madera Water District John Gies, Manager 16943 Road 26, Suite 103 Madera, CA 93638
To GFWD:	Gravelly Ford Water District Don Roberts, General Manager 18811 Road 27 Madera, CA 93638

Any Party may, by written notice to each of the other Parties, specify a different address for notice. Any notice sent by registered or certified mail, return receipt requested, shall be deemed given on the date of delivery shown on the receipt card, or if no delivery date is shown, three days after the postmark date. If sent by regular mail, the notice shall be deemed given 48 hours after it is addressed as required in this section and mailed with postage prepaid. Notices delivered by United States Express Mail or overnight courier that guarantee next day delivery shall be deemed given 24 hours after delivery to the Postal Service or overnight courier. Notices transmitted by facsimile transmission or similar means (including email) shall be deemed delivered upon telephone or similar confirmation of delivery (conformation report from fax machine is sufficient), provided a copy is also delivered via personal delivery or mail. If notice is received after 4:00 p.m. or on a Saturday, Sunday or legal holiday, it shall be deemed received on the next business day.

SECTION 17 – GENERAL PROVISIONS

17.1 Authority of Signers

The individuals executing this Agreement represent and warrant they have the authority to execute this Agreement and to legally bind the Party for whom they are signing to the terms and conditions of this Agreement.

17.2 Governing Law/Venue

The validity and interpretation of this Agreement will be governed by the laws of the State of California without giving effect to the principles of conflict of laws, with venue for all purposes to be proper only in the County of Madera, State of California.

17.3 Severability

If any term, provision, covenant, or condition of this Agreement is determined to be unenforceable by a court of competent jurisdiction, it is the Parties' intent that the remaining provisions of this Agreement will remain in full force and effect and will not be affected, impaired, or invalidated by such a determination.

17.4 Counterparts

This Agreement may be executed in any number of counterparts, each of which will be an original, but all of which will constitute one and the same agreement.

17.5 Construction and Interpretation

This Agreement has been arrived at through negotiation and each of the Parties has had a full and fair opportunity to revise the terms of this Agreement. As a result, the normal rule of construction that any ambiguities are to be resolved against the drafting Parties shall not apply in the construction or interpretation of this Agreement.

17.6 Headings

The subject headings of the sections of this Agreement are included for purposes of convenience, and shall not affect the interpretation of any of the provisions herein.

17.7 Entire Agreement

This Agreement constitutes the entire agreement among the Parties with respect to the matters addressed in this Agreement, and supersedes all prior agreements and understandings, written or oral.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: David B. Rogers

Name: David Rogers

Title: Chairman

MADERA IRRIGATION DISTRICT

By: _____

Name: _____

Title: _____

Approved as to Legal Form:

COUNTY COUNSEL

By: Regina A. Garza

Regina A. Garza

CITY OF MADERA

By: _____

Name: _____

Title: _____

MADERA WATER DISTRICT

By: _____

Name: _____

Title: _____

GRAVELLY FORD WATER DISTRICT

By: _____

Name: _____

Title: _____

ROOT CREEK WATER DISTRICT

By: _____

Name: _____

Title: _____

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: _____

Name: _____

Title: _____

MADERA IRRIGATION DISTRICT

By: James Erickson

Name: James Erickson

Title: Pres.

CITY OF MADERA

By: _____

Name: _____

Title: _____

MADERA WATER DISTRICT

By: _____

Name: _____

Title: _____

GRAVELLY FORD WATER DISTRICT

By: _____

Name: _____

Title: _____

ROOT CREEK WATER DISTRICT

By: _____

Name: _____

Title: _____

NEW STONE WATER DISTRICT

By: _____

Name: _____

Title: _____

00640090.DOCX

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: _____

Name: _____

Title: _____

MADERA IRRIGATION DISTRICT

By: _____

Name: _____

Title: _____

CITY OF MADERA

By: _____

Name: Andrew J. Medellin

Title: Mayor

MADERA WATER DISTRICT

By: _____

Name: _____

Title: _____

GRAVELLY FORD WATER DISTRICT

By: _____

Name: _____

Title: _____

ROOT CREEK WATER DISTRICT

By: _____

Name: _____

Title: _____

NEW STONE WATER DISTRICT

By: _____

Name: _____

Title: _____

00640090.DOCX

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: _____

Name: _____

Title: _____

MADERA IRRIGATION DISTRICT

By: _____

Name: _____

Title: _____

CITY OF MADERA

By: _____

Name: _____

Title: _____

MADERA WATER DISTRICT

By: Carl Johnson

Name: Carl Johnson

Title: President

GRAVELLY FORD WATER DISTRICT

By: _____

Name: _____

Title: _____

ROOT CREEK WATER DISTRICT

By: _____

Name: _____

Title: _____

NEW STONE WATER DISTRICT

By: _____

Name: _____

Title: _____

00640090.DOCX

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: _____

Name: _____

Title: _____

MADERA IRRIGATION DISTRICT

By: _____

Name: _____

Title: _____

CITY OF MADERA

By: _____

Name: _____

Title: _____

MADERA WATER DISTRICT

By: _____

Name: _____

Title: _____

GRAVELLY FORD WATER DISTRICT

By: _____

Name: DON ROBERTS

Title: General Manager

ROOT CREEK WATER DISTRICT

By: _____

Name: _____

Title: _____

NEW STONE WATER DISTRICT

By: _____

Name: _____

Title: _____

00640090.DOCX

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: _____

Name: _____

Title: _____

MADERA IRRIGATION DISTRICT

By: _____

Name: _____

Title: _____

CITY OF MADERA

By: _____

Name: _____

Title: _____

MADERA WATER DISTRICT

By: _____

Name: _____

Title: _____

GRAVELLY FORD WATER DISTRICT

By: _____

Name: _____

Title: _____

ROOT CREEK WATER DISTRICT

By: Julia D. Berry

Name: Julia D. Berry

Title: General Manager

NEW STONE WATER DISTRICT

By: _____

Name: _____

Title: _____

00640090.DOCX

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

COUNTY OF MADERA

By: _____

Name: _____

Title: _____

MADERA IRRIGATION DISTRICT

By: _____

Name: _____

Title: _____

CITY OF MADERA

By: _____

Name: _____

Title: _____

MADERA WATER DISTRICT

By: _____

Name: _____

Title: _____

GRAVELLY FORD WATER DISTRICT

By:_____

Name:_____

Title: _____

ROOT CREEK WATER DISTRICT

By: _____

Name: _____

Title: _____

NEW STONE WATER DISTRICT

By:_____

Name:_____

Title: _____

EXHIBIT A

"**List of GSA Representatives**"

GSA	GSA Representatives	GSA Alternate Representatives
County of Madera	To be designated by BOS	To be designated by BOS
City of Madera	To be designated by City Council	To be designated by City Council
Madera Irrigation District	MID Groundwater Committee Chairperson	General Manager of MID or his designee
Root Creek Water District	Julia Berry	Brian Ehlers
Gravelly Ford Water District	Don Roberts	Garth Peccenino
Madera Water District	Phil Janzen	Kevin Herman
New Stone Water District	_____	_____

EXHIBIT B

Individual Water Budgets[2]

County of Madera SGA Water Budget

Average annual inflows, outflows, and change in surface water system (SWS) storage during the historical water budget period (1989-2014) are summarized for the County of Madera GSA in Table B.1. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative values. Additional information regarding development of the County of Madera GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.b.

Table B.1. County of Madera GSA Surface Water System Historical Water Budget, 1989-2014 (Acre-Feet).

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	308,230
	(b) Groundwater Extraction	225,770
	(c) Precipitation	152,710
	(d) Change in SWS Storage	530
Total Inflow		687,240
Outflow	(e) Evapotranspiration	-277,150
	(f) Evaporation	-1,990
	(g) *Evaporation (Other GSAs)*[2]	-3,430
	(h) Infil. of Precipitation	-40,140
	(i) Infil. of Surface Water	-13,940
	(j) *Infil. of Surface Water (Other GSAs)*[2]	-18,860
	(k) Infil. of Applied Water	-56,270
	(l) Boundary Surface Outflows	-275,460
Total Outflow		-687,240
Boundary Flow	(m) Boundary Infil. of Surface Water from San Joaquin River[3]	-37,720
Net Recharge from SWS	| (h) + (i) + (k) + (m) | - (b)	-77,700

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

[2] Where most rivers and streams enter and leave the Madera Subbasin, they also enter and leave the County of Madera GSA. Because the County of Madera GSA includes several noncontiguous areas, the rivers and streams

[2] *The Parties recognize there are certain non-significant variances in the calculations of the impact of various sources of recharge and intend to develop further data or information through the DMS to further narrow such variances. Such additional data will help to refine, prove or disprove models and/or presumptions included in the respective GSPs.*

also pass through other GSAs before exiting the subbasin, thus the difference between the boundary surface water inflows and outflows from the County of Madera GSA includes evaporation and seepage from the river and stream segments in other GSAs. To balance the total boundary surface inflows and outflows from the subbasin and the County of Madera GSA, the County of Madera GSA water budget included estimates of evaporation and infiltration of surface water from the segments of the rivers and streams that are physically located in other GSAs. The estimate of Infil. of Surface Water (Other GSAs) is not included in the calculation of net recharge from the SWS for the County of Madera GSA, but is included in the calculations of net recharge from the SWS for those GSAs where the lengths are physically located.

[3] The San Joaquin River flows along the subbasin boundary and was therefore not explicitly included in the surface water system water budget inflows and outflows. However, boundary infiltration of surface water (seepage) from the San Joaquin River (one-half of the total estimated seepage) was included in the groundwater system water budget and calculation of net recharge from the SWS for the subbasin and for GSAs adjacent to the river. This boundary flow is not included directly in the GSA surface water system water budget inflows, but is included in the GSA groundwater system water budget inflows.

City of Madera GSA Water Budget

Average annual inflows, outflows, and change in SWS storage during the historical water budget period (1989-2014) are summarized for the City of Madera GSA in Table B.2. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative value. Additional information regarding development of the City of Madera GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.a.

Table B.2. City of Madera GSA Surface Water System Historical Water Budget, 1989-2014 (Acre-Feet).

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	41,350
	(b) Groundwater Extraction	10,750
	(c) Precipitation	8,680
	(d) Change in SWS Storage	10
Total Inflow		60,790
Outflow	(e) Evapotranspiration	-13,440
	(f) Evaporation	-370
	(g) Infil. of Precipitation	-2,550
	(h) Infil. of Surface Water	-2,100
	(i) Infil. of Applied Water	-2,920
	(j) Boundary Surface Outflows	-39,410
Total Outflow		-60,790
Net Recharge from SWS	| (g) + (h) + (i) | - (b)	-3,180

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

Madera Irrigation District GSA Water Budget

Average annual inflows, outflows, and change in SWS storage during the historical water budget period (1989-2014) are summarized for Madera Irrigation District GSA in Table B.3. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative value. Additional information regarding development of the Madera Irrigation District GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.c.

Table B.3. Madera Irrigation District GSA Surface Water System Historical Water Budget, 1989-2014 (Acre-Feet).

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	215,490
	(b) Groundwater Extraction	176,560
	(c) Precipitation	113,070
	(d) Change in SWS Storage	190
Total Inflow		505,310
Outflow	(e) Evapotranspiration	-290,210
	(f) Evaporation	-3,870
	(g) Infil. of Precipitation	-32,800
	(h) Infil. of Surface Water	-60,630
	(i) Infil. of Applied Water	-65,060
	(j) Boundary Surface Outflows	-52,730
Total Outflow		-505,310[1]
Boundary Flow	(k) Boundary Infil. of Surface Water from San Joaquin River[2]	-20,280
Net Recharge from SWS	| (g) + (h) + (i) + (k) | - (b)	2,210

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

[2] The San Joaquin River flows along the subbasin boundary and was therefore not explicitly included in the surface water system water budget inflows and outflows. However, boundary infiltration of surface water (seepage) from the San Joaquin River (one-half of the total estimated seepage) was included in the groundwater system water budget and calculation of net recharge from the SWS for the subbasin and for GSAs adjacent to the river. This boundary flow is not included directly in the GSA surface water system water budget inflows, but is included in the GSA groundwater system water budget inflows.

Root Creek Water District GSA Water Budget

Average annual inflows, outflows, and change in SWS storage during the historical water budget period (1989-2014) are summarized for Root Creek Water District GSA in Table B.4. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative value. Additional information regarding development of the Root Creek Water District GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.g.

Table B.4. Root Creek Water District GSA Surface Water System Historical Surface Water Budget, 1989-2014 (Acre-Feet).[3]

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	1,890
	(b) Groundwater Extraction	22,440
	(c) Precipitation	8,170
	(d) Change in SWS Storage	20
Total Inflow		32,530[1]
Outflow	(e) Evapotranspiration	-25,670
	(f) Evaporation	-10
	(g) Infil. of Precipitation	-2,000
	(h) Infil. of Surface Water	-280
	(i) Infil. of Applied Water	-4,580
	(j) Boundary Surface Outflows	0
Total Outflow		-32,530[1]
Boundary Flow	(k) Boundary Infil. of Surface Water from San Joaquin River[2]	-1,960
Net Recharge from SWS	| (g) + (h) + (i) + (k) | - (b)	-13,630[1]

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

[2] The San Joaquin River flows along the subbasin boundary and was therefore not explicitly included in the surface water system water budget inflows and outflows. However, boundary infiltration of surface water (seepage) from the San Joaquin River (one-half of the total estimated seepage) was included in the groundwater system water budget and calculation of net recharge from the SWS for the subbasin and for GSAs adjacent to the river. This boundary flow is not included directly in the GSA surface water system water budget inflows, but is included in the GSA groundwater system water budget inflows.

[3] The Holding Contract (HC) surface water supply is only shown for the contract that was not executed with the United States Bureau of Reclamation.

Gravelly Ford Water District GSA Water Budget

Average annual inflows, outflows, and change in SWS storage during the historical water budget period (1989-2014) are summarized for Gravelly Ford Water District GSA in Table B.5. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative value. Additional information regarding development of the Gravelly Ford Water District GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.e.

Table B.5. Gravelly Ford Water District GSA Surface Water System Historical Water Budget, 1989-2014 (Acre-Feet).

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	16,070
	(b) Groundwater Extraction	15,750
	(c) Precipitation	7,200
	(d) Change in SWS Storage	10
Total Inflow		39,030
Outflow	(e) Evapotranspiration	-19,550
	(f) Evaporation	-180
	(g) Infil. of Precipitation	-2,690
	(h) Infil. of Surface Water	-6,180
	(i) Infil. of Applied Water	-6,360
	(j) Boundary Surface Outflows	-4,060
Total Outflow		-39,030[1]
Net Recharge from SWS	| (g) + (h) + (i) | - (b)	-510[1]

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

Madera Water District GSA Water Budget

Average annual inflows, outflows, and change in SWS storage during the historical water budget period (1989-2014) are summarized for Madera Water District GSA in Table B.6. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative value. Additional information regarding development of the Madera Water District GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.d.

Table B.6. Madera Water District GSA Surface Water System Historical Water Budget, 1989-2014 (Acre-Feet).

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	4,210
	(b) Groundwater Extraction	7,450
	(c) Precipitation	3,220
	(d) Change in SWS Storage	30
Total Inflow		14,910
Outflow	(e) Evapotranspiration	-10,680
	(f) Evaporation	-20
	(g) Infil. of Precipitation	-880
	(h) Infil. of Surface Water	-360
	(i) Infil. of Applied Water	-1,140
	(j) Boundary Surface Outflows	-1,830
Total Outflow		-14,910
Net Recharge from SWS	| (g) + (h) + (i) | - (b)	-5,080

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

New Stone Water District GSA Water Budget

Average annual inflows, outflows, and change in SWS storage during the historical water budget period (1989-2014) are summarized for New Stone Water District GSA in Table B.7. Decreases in SWS storage are inflows to the SWS budget and shown as positive values, while increases in SWS storage are outflows from the SWS budget and shown as negative values. Other inflows are shown as positive values, while other outflows are shown as negative value. Additional information regarding development of the New Stone Water District GSA water budget is provided in the Madera Subbasin Joint GSP Appendix 2.F.f.

Table B.7. New Stone Water District GSA Surface Water System Historical Water Budget, 1989-2014 (Acre-Feet).

Flow Path Direction	Flow Path	Average Annual Volume, 1989-2014 (AF/yr)[1]
Inflow	(a) Boundary Surface Inflows	186,430
	(b) Groundwater Extraction	11,310
	(c) Precipitation	3,590
	(d) Change in SWS Storage	0
Total Inflow		201,330
Outflow	(e) Evapotranspiration	-10,310
	(f) Evaporation	-90
	(g) Infil. of Precipitation	-1,200
	(h) Infil. of Surface Water	-1,740
	(i) Infil. of Applied Water	-3,250
	(j) Boundary Surface Outflows	-184,740
Total Outflow		-201,330
Net Recharge from SWS	| (g) + (h) + (i) | - (b)	-5,120

[1] Values are rounded to the nearest 10 acre-feet. Total inflows may not equal total outflows due to rounding.

APPENDIX 6.B. CONTACT INFORMATION FOR PLAN MANAGER AND GSA MAILING ADDRESS (REG. § 354.6)

Prepared as part of the

Joint Groundwater Sustainability Plan
Madera Subbasin

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

Plan Manager

Manager Name: Stephanie Anagnoson
Manager Title: Director of Water and Natural Resources, County of Madera
Mailing Address: 200 W. Fourth Street, Madera, CA 93637
Phone Number: (559) 675-7703 x 2265
Email Address: stephanie.anagnoson@maderacounty.com

Subbasin Point of Contact:

Point of Contact Name: Bryan P. Thoreson, Ph.D., P.E.
Point of Contact Title: Supervising Engineer/Scientist
Mailing Address: 1772 Picasso Avenue, Suite A, Davis, CA 95618-0550
Phone Number: (530) 757-6107 x 105
Email Address: bryan@davidsengineering.com

GSA Contact Information

Groundwater Sustainability Agency	Contact Person	Contact Title	Mailing Address	Phone Number	Email Address
City of Madera	Keith Helmuth	City Engineer, City of Madera	205 W. 4th St., Madera, CA 93637	(559) 661-5423	khelmuth@cityofmadera.com
Gravelly Ford Water District	Don Roberts	District General Manager	18811 Rd 27, Madera, CA 93638	(559) 474-1000	donroberts717@gmail.com
Madera County	Stephanie Anagnoson	Director of Water and Natural Resources, County of Madera	200 W. 4th St., Madera, CA 93637	(559) 675-7703 x 2265	stephanie.anagnoson@maderacounty.com
Madera Irrigation District	Thomas Greci	District General Manager	12152 Rd 28 1/4, Madera, CA 93637	(559) 673-3514	tgreci@madera-id.org
Madera Water District	John Gies	General Manager	16943 Rd 26. Suite 103 Madera, CA 93637	(559) 674-4944	info@mwdgsa.org
New Stone Water District	Roger Skinner	District Representative	9500 S. De Wolf, Selma, CA 93662	(559) 834-6677	rskinner@lionraisins.com
Root Creek Water District	Nick Bruno	District President	P.O. Box 28548, Fresno, CA 93729	(559) 326-2222	nivk@ccdgllc.com

APPENDIX 6.C. LIST OF PUBLIC MEETINGS (REG. § 354.10)

Prepared as part of the

Joint Groundwater Sustainability Plan
Madera Subbasin

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

List of Public Meetings (Reg. § 354.10)

The following tables present the schedule of past and future meetings related to development of the Madera Subbasin Groundwater Sustainability Plan, including public/technical workshops, public roundtable/coordination committee meetings, community meetings, and meetings of the Groundwater Sustainability Agencies (GSAs) within the Madera Subbasin.

Table A6.C-1 provides a summary of the typical GSA meeting schedules and meeting locations. All GSA meetings are open to the public. Additionally, Madera County GSA records all meetings and provides them for public viewing on the Madera County website (maderacounty.com).

Table A6.C-2 provides a chronological list of meetings related to development of the Madera Subbasin GSP. Available meeting agendas are provided in Attachment A6.C-1 to this Appendix.

The meetings listed in the table are based on publicized meetings and/or GSAs' standing schedules and are subject to change. Please contact individual GSAs directly to confirm (see GSA contact information in **Appendix 6.B**).

Table A6.C-1. GSA Meeting Schedules

GSA	GSA Meeting Schedule	GSA Meeting Location
City of Madera	GSA meetings held concurrently with regular Madera City Council meetings; normally held on the first Wednesday of each month at 6:00 p.m.	Madera City Hall, Council Chambers (205 West Fourth Street, Madera, CA 93637)
Gravelly Ford Water District	GSA meetings held concurrently with regular GFWD Board of Directors meetings; normally held on the third Monday of each month at 1:30 p.m.	Schafer Ranch office (25176 Avenue 5 ½, Madera, CA, 93637)
Madera County	GSA meetings held concurrently with regular Madera County Board of Supervisors meetings; normally held on the first Tuesday of each month at 10:00 a.m.	Location rotates every other month, all odd months held at Madera County Board of Supervisors Chambers (200 West Fourth Street, Madera, CA, 93637)
Madera Irrigation District	GSA meetings held concurrently with regular MID Board of Directors meetings; normally held on the third Tuesday of each month at 2:00 p.m.	Madera Irrigation District offices (12152 Road 28 1/4, Madera, CA, 93637)
Madera Water District	GSA meetings held concurrently with regular MWD Board of Directors meetings; normally held on the second Wednesday of each month at 9:00 am.	Location rotates between Madera Water District offices (16943 Road 26 Suite 103, Madera, CA, 93637) and Blankenship & Company (1663 N. Schnoor Street, Suite 105, Madera, CA 93637)
New Stone Water District	GSA meetings held concurrently with regular NSWD Board of Directors meetings; normally held quarterly (March, July, September, and December)	Lion Raisins offices (9500 S. DeWolf Ave Selma, CA 93662)
Root Creek Water District	GSA meetings held immediately following regular RCWD Board of Directors meetings; normally held on the second Monday of each month at 11:00 a.m.	Riverstone Lodge (370 Lodge Road South, Madera, CA, 93636)

Table A6.C-2. Chronological List of GSA Meetings (2019)

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
12/19/2017	GSA meeting - Madera Irrigation District	1:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
1/16/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
2/20/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
3/7/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
3/20/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
3/22/2018	Madera Subbasin Coordination Committee meeting	1:30 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Discuss coordination committee charter, GSP development work plan, Madera Communication and Engagement plan, potential basin boundary modifications
4/4/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
4/17/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
4/24/2018	Public Roundtable meeting	9:00 a.m. Board of Supervisors Chambers 200 W. 4th Street Madera, CA 93637	Discuss GSA configuration and engagement processes; discuss GSP and coordination committee work agenda
4/24/2018	Madera Subbasin Coordination Committee meeting	9:00 a.m. Board of Supervisors Chambers 200 W. 4th Street Madera, CA 93637	Discuss public roundtable discussions, basin boundary modifications, GSP decision-making process, GSP work plan, and coordination agreement components/considerations

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
5/2/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
5/8/2018	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
5/9/2018	Madera Subbasin Advisory Committee meeting	6:00 p.m. Government Center Room 3005, 200 W. 4th Street Madera, CA 93637	Discuss GSA subbasin updates, SGMA calendar, GSA education efforts
5/15/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
5/24/2018	Madera Subbasin Technical Workshop	1:00 p.m. Board of Supervisors Chambers, 200 W. 4th Street Madera, CA 93637	Discuss management areas, base period, GSA water budget, projects and management actions
6/6/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
6/19/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
6/25/2018	Public Technical Workshop	1:00 p.m. Madera Farm Bureau, 1102 S. Pine Street Madera, CA 93637	Review individual GSA water budget results with current land use; Discuss how projects and management actions fit into the GSP development
6/5/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
7/5/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
7/17/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
8/1/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
8/2/2018	Groundwater Workshop for the Public	5:30 p.m. Frank Bergon Senior Center 238 S. D Street Madera, 93638	Introduction to SGMA, sustainability criteria, undesirable results, measureable objectives, and minimum thresholds; Information on how to participate in local groundwater sustainability planning and management
8/8/2018	Madera Subbasin Advisory Committee meeting	6:00 p.m. Government Center Room 3005, 200 W. 4th Street Madera, CA 93637	Update on Madera Subbasin GSP activities, projects, and management actions; Report on Ventura County Groundwater Fact Finding Mission
9/4/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
9/5/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
10/2/2018	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
10/3/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
10/16/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
10/18/2018	Public Technical Workshop	2:30 p.m. Frank Bergon Senior Center, 238 S. D Street Madera, 93638	Review general sustainable groundwater management information, subbasin conditions, and GSA-specific information
10/19/2018	Water Market Brainstorming Meeting	9:00 a.m. Madera Farm Bureau 1102 S. Pine Street Madera, CA 93637	Discuss ideas about a water market in the County GSAs in the Madera and Chowchilla Subbasins

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
10/24/2018	Joint Meeting of Madera County GSAs for Madera and Delta Mendota Subbasins	6:00 p.m. Madera County Government Headquarters, 200 West Fourth Street Madera, CA 93637	Joint meeting of the Madera County GSA for the Madera Subbasin and the Madera County GSA for the Delta Mendota Subbasin; presentation by the State Water Resources Control Board about the Sustainable Groundwater Management Act and enforcement mechanisms in place.
11/7/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
11/14/2018	GSA meeting - Madera Water District	9:00 a.m. Madera Water District Offices 16943 Road 26 Suite 103 Madera, CA 93637	Standing meeting of the Madera Water District GSA
11/15/2018	GSA meeting - Root Creek Water District	11:30 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
11/16/2018	Water Market Game	7:30 a.m. Madera Farm Bureau 1102 S. Pine Street Madera, CA 93637	Workshop and game to discuss and simulate water market dynamics
11/19/2018	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
12/4/2018	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
12/5/2018	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
12/10/2018	GSA meeting - Root Creek Water District	11:00 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
12/12/2018	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
12/17/2018	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
12/18/2018	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
01/02/2019	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
01/03/2019	Madera County GSA Advisory Committee	2:00 p.m. Madera County Headquarters 4th Floor, Fishbowl Room, 2020 West Fourth Street Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
01/08/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
1/9/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
01/14/2019	GSA meeting - Root Creek Water District	11:00 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
01/15/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
01/21/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
02/05/2019	GSA meeting - Madera County	10:00 a.m. Chowchilla, CA	Standing meeting of the Madera County GSA
02/06/2019	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
02/07/2019	Conceptual Undesirable Results Workshop, Madera and Chowchilla Subbasins	5:30 p.m. Frank Bergon Senior Center 238 S. D Street Madera, 93638	Introduce "undesirable results" under SGMA and explore how they are relevant to the public; members of disadvantaged communities and small domestic well owners encouraged to attend
02/11/2019	GSA meeting - Root Creek Water District	11:00 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
02/12/2019	GSA meeting - Madera County	5:00 p.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Evening meeting of the Madera County GSA
02/12/2019	Madera County GSA Advisory Committee	6:00 p.m. Government Center Room 3005 200 West Fourth Street Madera, CA 93637	Meeting of the Advisory Committee for the Madera County GSAs
02/13/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
02/18/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
02/19/2019	GSA meeting - Madera Irrigation District	1:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
03/01/2019	Madera County GSA Advisory Committee Special Tour	11:00 a.m. Tour	Meeting of the Advisory Committee for the Madera County GSAs, special tour beginning at Agriland
03/05/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
03/06/2019	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
03/07/2019	Madera County GSA Advisory Committee meeting	2:00 p.m. Madera County Headquarters, 4th Floor, Fishbowl Room 2020 West Fourth Street Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
03/11/2019	GSA meeting - Root Creek Water District	11:00 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
03/13/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
03/18/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
03/19/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
03/21/2019	Madera Subbasin Coordination Committee meeting	3:00 p.m. Frank Bergon Senior Center 238 S. D Street Madera, 93638	Overview of GSP and GSA structure; presentation from the the State Water Resources Control Board (SWRCB) to discuss coordination under SGMA and SWRCB enforcement; presentation of GSA projects, groundwater modeling, GSP timeline, and schedule
04/02/2019	GSA meeting - Madera County	10:00 a.m. Oakhurst, CA	Standing meeting of the Madera County GSA
04/03/2019	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
04/08/2019	GSA meeting - Root Creek Water District	11:00 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
04/10/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
04/12/2019	Madera County GSA Advisory Committee meeting	2:00 p.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
04/15/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
04/16/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
04/25/2019	Madera Subbasin, Undesirable Results Public Technical Workshop	3:30 p.m. Frank Bergon Senior Center, 238 S. D Street, Madera, 93638	Discussion of groundwater model calibration and results, projected future hydrology, GSA projects, minimum thresholds, and measureable objectives
05/01/2019	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
05/02/2019	GSA meeting - Madera County	2:00 p.m. Madera County Headquarters, 4th Floor, Fishbowl Room 2020 West Fourth Street Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
05/07/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
05/08/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
05/13/2019	GSA meeting - Root Creek Water District	11:00 a.m. Riverstone Lodge, 370 Lodge Road South Madera, CA 93637	Standing meeting of the Root Creek Water District GSA
05/17/2019	Madera County GSA Advisory Committee meeting	2:00 p.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
05/21/2019	Madera Irrigation District Groundwater Committee meeting	1:30 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4, Madera, CA 93637	Meeting of the Madera Irrigation District Committee
05/23/2019	Special meeting - Madera County GSA Advisory Committee	1:30 p.m. Madera County Government Headquarters, 200 W. 4th Street, Madera, CA	Special meeting of the Advisory Committee for the Madera County GSAs
05/29/2019	Madera Subbasin Public Technical Workshop	2:00 p.m. Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA 93637	Discussion of Madera GSP Chapters 1 and 2
06/04/2019	GSA meeting - Madera County	10:00 a.m. TBD, Ranchos, CA	Standing meeting of the Madera County GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
06/12/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
06/17/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. O'Neill Agri-Management Office 13991 Avenue 7 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
06/18/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
06/20/2019	Special meeting - Madera County GSA Advisory Committee	2:30 p.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Special Meeting of the Advisory Committee for the Madera County GSAs
06/24/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. Schafer Ranch Office, 25176 Avenue 5 1/2 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
07/02/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
07/08/2019	GSA meeting - Root Creek Water District	11:00 a.m. Baker, Manock and Jensen, 5260 North Palm Avenue, Fresno, CA 93704	Standing meeting of the Root Creek Water District GSA
07/10/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
07/11/2019	Madera County GSA Advisory Committee meeting	2:00 p.m. Madera County Headquarters 4th Floor, Fishbowl Room, 2020 West Fourth Street Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
07/22/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. O'Neill Agri-Management Office 13991 Avenue 7 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
07/24/2019	GSA meeting - New Stone Water District	1:30 p.m. New Stone Conference Room, 9500 South Dewolf Avenue, Selma, CA 93662	Standing meeting of the New Stone Water District GSA
07/30/2019	Special meeting - Madera Irrigation District GSA	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Special meeting of the Madera Irrigation District GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
08/06/2019	GSA meeting - Madera County	5:00 p.m. Chowchilla City Hall, 130 South Second Street, Chowchilla, CA 93610	Standing meeting of the Madera County GSA
08/07/2019	Madera Subbasin Joint GSP Workshop	2:00 p.m. Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA 93637	Discussion of each chapter of Madera Subbasin joint GSP
08/07/2019	GSA meeting - City of Madera	6:00 p.m. City of Madera Council Chambers, 205 W. 4th Street Madera, CA 93637	Standing meeting of the City of Madera GSA
08/12/2019	GSA meeting - Gravelly Ford Water District	1:30 p.m. O'Neill Agri-Management Office 13991 Avenue 7 Madera, CA 93637	Standing meeting of the Gravelly Ford Water District GSA
08/14/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
09/03/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
09/05/2019	Madera County GSA Advisory Committee meeting	2:00 p.m. Madera County Headquarters 4th Floor, Fishbowl Room, 2020 West Fourth Street Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
09/11/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
09/17/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
10/01/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
10/09/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA

Date	Meeting Type	Time and Location	Meeting Purpose/Topics
10/15/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
11/05/2019	GSA meeting - Madera County	5:00 p.m. Ranchos Middle School, 12455 Road 35 1/2, Madera, CA 93636	Standing meeting of the Madera County GSA
11/7/2019	Madera County GSA Advisory Committee meeting	2:00 p.m. Madera County Headquarters 4th Floor, Fishbowl Room, 2020 West Fourth Street Madera, CA	Meeting of the Advisory Committee for the Madera County GSAs
11/13/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
11/19/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
12/03/2019	GSA meeting - Madera County	10:00 a.m. Madera County Board of Supervisors Chambers, 200 W. 4th Street, Madera, CA	Standing meeting of the Madera County GSA
12/11/2019	GSA meeting - Madera Water District	9:00 a.m. Blankenship & CO 1663 N. Schnoor Street, Ste 105 Madera, CA 93637	Standing meeting of the Madera Water District GSA
12/17/2019	GSA meeting - Madera Irrigation District	2:00 p.m. Madera Irrigation District Offices, 12152 Road 28 1/4 Madera, CA 93637	Standing meeting of the Madera Irrigation District GSA
TBD	Public Hearing (Water Code §10728.4)	TBD	Present Complete GSP (including GW pumping allotments and undesirable results/minimum thresholds) and receive feedback

Attachment A6.C-1. Meeting Agendas

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING & GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, January 16, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([4 potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

2:00 p.m. <u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

<u>PUBLIC COMMENT:</u> MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

<u>RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY</u>

a. Update on MID Groundwater Sustainability Agency (GSA)

<u>ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS</u>

2. CONSENT AGENDA

2a. Approval of December 6, 2017 Special Board Meeting Minutes

2b. Discussion / possible action on approval of warrant list payment through January 16, 2018

2c. Discussion / possible action on monthly financial report for December

2d. Discussion / possible action on Addendum to Madera Ranch Grazing Lease with TF Farms, Inc., Resolution No. 2018-01

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report
- Annual Disclosure of Board Members or Employee Reimbursements over $100 pursuant to Government Code Section 53065

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- Presentation of District's Transparency Certificate Renewal – **Timed Item 3:00 p.m.**

5. NEW BUSINESS

5a. Discussion / possible action Temporary Construction Permit Agreement to the State of California to Relocate Bureau of Reclamation's Facilities for the Madera Irrigation District Lateral No. 6.2-14.0 Specifically Activities near Avenue 10 Friant Division, Central Valley Project, Resolution No. 2018-02

5b. Discussion only on Friant North Authority

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS
- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

February 20, 2018 – Regular Board Meeting

8. ADJOURNMENT

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING & GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, February 20, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1e. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Paragraph (1) of subdivision (b) of Government Code Section 54957
Title: General Manager

2:00 p.m. <u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

<u>PUBLIC COMMENT:</u> MID Groundwater Sustainability Agency & Regular Session
The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

<u>RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY</u>

a. Update on MID Groundwater Sustainability Agency (GSA)

b. Discussion / possible action on appointment of Committee Member, Alternate, and Technical Expert to the Madera Subbasin GSA Coordination Committee

c. Discussion only on Madera Subbasin GSA Coordination Committee Charter

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of December 19, 2017 Board Meeting Minutes

2b. Approval of January 16, 2018 Board Meeting Minutes

2c. Discussion / possible action on approval of warrant list payment through February 20, 2018

2d. Discussion / possible action on monthly financial report for January

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- Annual Meeting
- ACWA Spring Conference, May 8-11, 2018, Sacramento

5. NEW BUSINESS

5a. Discussion / possible action on Annual Table Mountain Water Transfer Agreement, Resolution No. 2018-03

5b. Discussion only on Friant Water Authority Bylaws

5c. Discussion / possible action on Temporary Construction Permit to State of California to Relocate and Reconstruct Reclamation Facilities for Madera Irrigation District Lateral No. 6.2-9.2 and Lateral No. 6.2-13.4 Friant Division, Central Valley Project, Resolution No. 2018-04

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

March 20, 2018 – Regular Board Meeting

8. ADJOURNMENT

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, March 7, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Foley Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Fred Thurman, New Life Assembly

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS

1. Recognition of Visiting Delegation - Jhang Chamber of Commerce and Industry

INTRODUCTIONS There are no introductions.

A. WORKSHOP

A-1 Report on Measure K (Presentation by Brian Esteves)

B. CONSENT CALENDAR

B-1 Minutes – 5/17/17

B-2 Warrant Disbursement Report 2/13/18 – 2/26/18 (Report by Tim Przybyla)

B-3 Bi-Weekly Water Conservation Report for 1/22/18 – 2/25/18 (Report by John Scarborough)

B-4 Consideration of a Resolution Approving an Agreement with Kleinfelder Inc. for Professional On-Demand Services for Quality Assurance and Materials Testing Services for Water Main Installations at Various Locations, City Project No. W 16-03 (Report by Keith Helmuth)

B-5 Consideration of a Resolution Approving a Three-Year Agreement for Services with Laurin Associates, A Division of Raney Planning and Management, to Conduct Annual Home Long-Term Monitoring for the Arborpoint and Madera Family Apartments and Authorizing the Necessary Budget Adjustments (Report by Ivette Iraheta)

B-6 Consideration of a Resolution Approving an Amendment to the Lease Agreement with Greyhound Lines Inc. for the Lease of Property at the Madera Intermodal Facility and Authorizing the Mayor to Execute the Amendment on Behalf of the City of Madera (Report by Ivette Iraheta)

B-7 Informational Report on Civil Service Activity (Report by Wendy Silva)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Consideration of a Resolution Amending the Development Impact Fee Program to Specify that Public Agency and Government Buildings Shall be Excluded from any Requirement to Pay City Development Impact Fees and to Specify that Privately Owned Buildings which are Used Primarily for Public Charter School Purposes Shall be Required to Pay Only those Development Impact Fees Related to the City's Water, Sewer, and Storm Drainage Systems (Report by Brent Richardson)

C-2 Public Hearing and Consideration of Introduction of an Ordinance Adding Title X, Chapter 2, Section 1300 et seq. to the Madera Municipal Code Pertaining to Acquisition of Park Lands as Provided by the Quimby Act (Report by Chris Boyle)

C-3 Consideration of a Resolution Approving a Limited Term At-Will Employment Agreement for Steve Frazier as the City Administrator and Authorizing the Mayor to Execute the Agreement (Report by Wendy Silva)

C-4 Consideration of a Resolution Approving Amendment No. 1 to the Agreement with waterTalent, LLC for Temporary Staffing Services, and Authorizing the Mayor to Sign the Amendment on Behalf of the City (Report by John Scarborough)

C-5 Consideration of a Resolution Approving a Grant Agreement with Madera Unified School District for a Water Conservation Pilot Program to Install Advanced Central Capable Smart Irrigation Controllers and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by John Scarborough)

C-6 A) Review of Consultant Response to Request for Proposals to Perform a Management Employee Compensation Study from Sole Responder, Koff & Associates and Direction to Staff on Next Steps

B) Consideration of a Resolution Approving an Agreement with Koff & Associates to Perform a Management Employee Compensation Study and Authorizing the Mayor to Execute the Agreement

C) Consideration of a Resolution Authorizing and Approving an Amendment to the City of Madera Fiscal Year 2017/18 Budget (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS

D-1 Presentation by Madera County on Vote Centers and Request for Fee Waiver on Use of City Facilities (Rebecca Martinez, Madera County)

D-2 Request for Letter in Support of the Madera Community College Center Independent Status (Dr. Sandra Caldwell)

E. ADMINISTRATIVE REPORTS

E-1 Presentation of the Mid-Year Operational Budget Report and Consideration of a Resolution Authorizing and Approving Amendments to the City of Madera Fiscal Year 2017/2018 Budget (Report by Tim Przybyla)

E-2 Request for Council to Adopt a Resolution Authorizing the Mayor to Sign a Letter of Support on Behalf of the City for the Madera County Workforce Investment Corporation, Inc. 2018 Wells Fargo and USCM Community Wins Grant Program Application and for the City to Become a Partner in the Project (Report by Ivette Iraheta)

E-3 Update on City of Madera Groundwater Sustainability Agency Activities, Appointment of Council Members and Technical Experts to the Madera Subbasin Coordination Committee, and Review and Comment on Proposed Coordination Committee Charter (GSA - Report by Keith Helmuth)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Legal Counsel – Pending Litigation pursuant to Government Code §54956.9(d)(1):

Heath Middleton WCAB No. ADJ10589860 & ADJ10589861 (2 cases)

G-3 Conference with Legal Counsel – Existing Litigation. Subdivision (d)(1) of Government Code §54956.9

One case: MCA 1803, LLC, et al. v. City of Madera
MCV073252

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting March 21, 2018

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for March 7, 2018, near the front entrances of City Hall at 4:00 p.m. on March 1, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING & GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, March 20, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1e. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Paragraph (1) of subdivision (b) of Government Code Section 54957
Title: Controller

1f. CONFERENCE WITH LABOR NEGOTIATORS
Pursuant to Government Code Section 54957.6
Agency Designated Representative: Board of Directors
Unrepresented Employee: General Manager

2:00 p.m. <u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

<u>PUBLIC COMMENT:</u> MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

<u>RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY</u>

a. Update on MID Groundwater Sustainability Agency (GSA)

b. Discussion / possible action on Madera Subbasin GSA Coordination Committee Charter, Resolution 2018-GSA01

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of February 20, 2018 Board Meeting Minutes

2b. Discussion / possible action on approval of warrant list payment through March 20, 2018

2c. Discussion / possible action on monthly financial report for February

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- M&I Water
- Friant Water Authority Annual Meeting, March 27, 2018
- Friant Water Authority Title Transfer Efforts
- Water Supply

5. NEW BUSINESS

5a. Public Hearing on the Resolution of Necessity and for Eminent Domain Proceedings for the Acquisition of the Allende Basin to Use as a Regulating / Recharge Basin, APN 047-310-039, Resolution No. 2018-05 [**Timed Item 3:00 p.m.]**

5b. Discussion / possible action on Engagement Letter with Wanger Jones Helsley for Allende Basin acquisition, Resolution No. 2018-06

5c. Discussion / possible action on Rules and Regulations for Distribution of Water and Maintenance of Canals and Pipelines, Resolution No. 2018-07

5d. Discussion / possible action on acceptance of Madera Irrigation District Audited Financial Statements 2017, Resolution No. 2018-08 [**Timed Item 3:30 p.m.]**

5e. Discussion / possible action on certifying United States Bureau of Reclamation Contractor Obligations related to the deannexation of approximately 320 acres, APN 049-024-010 from Madera Irrigation District and acknowledgement of Amendment to Annexation Agreement & Covenant Running with the Land, Resolution No. 2018-09

5f. Discussion / possible action on First Amended and Restated Memorandum of Understanding Regarding Coordination, Cooperation, and Cost Sharing on Preconstruction Activities related to the Temperance Flat Reservoir Project, Resolution No. 2018-10

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

April 17, 2018 – Regular Board Meeting

8. ADJOURNMENT

AGENDA

MADERA SUBBASIN COORDINATION MEETING

Date: Thursday March 22, 2018

Time: 1:30 pm - 3:30 pm

Location: Madera Irrigation District Board
Room, 12152 Road 28 ¼,
Madera, CA 93637

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1. WELCOME AND INTRODUCTIONS

Goal – Roll call of coordination committee members and overview of agenda goals.

2. DISCUSS AND AFFIRM COORDINATION COMMITTEE CHARTER.

Goal – Share updates on GSA affirmation of coordination committee charter. Discuss and issues or revisions, clarifications required. Coordination Committee members shall review overall discussion and decision-making process consistent with charter and shared understanding of members. Coordination Committee shall also discuss development of the Subbasin Coordination Agreement and any interim agreements required through GSP Development.

3. REVIEW AND DISCUSS GSP DEVELOPMENT WORK PLAN.

Goal- Review and discuss proposed work plan for GSP development activities. This includes proposed GSA Coordination Committee meetings times, decision-points, and plan development milestones

4. UPDATE ITEM: POTENTIAL BASIN BOUNDARY MODIFICATIONS

Goal -- Discuss deadline and potential for two Basin Boundary Modifications (deadline for submittal is June 30): 1) include Madera Lake in the Madera Subbasin and 2) change the southern subbasin boundary from the San Joaquin River to the county line.

5. DISCUSS AND AFFIRM MADERA COMMUNICATION AND ENGAGEMENT PLAN

Goal- Discuss Subbasin level coordination and engagement actions as recorded in Communication and Engagement Plan. Members shall discuss any additional considerations to ensure engagement with stakeholders consistent with the proposed work plan.

6. IDENTIFY AND AGREE ON NEXT STEPS

Goal – Review action items from meeting and affirm agenda for next meeting.

7. ADJOURN

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency
and
Special Meeting of the Madera Public Financing Authority

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, April 4, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Foley Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Tim Echevarria, New Harvest Christian Fellowship

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS

1. Martin Luther King Jr. Celebration Speech by Student Speaker Gizelle Castillo
2. Mid Valley Disposal Recyclers of the Year and Third and Fourth Quarter Reports (Annette Kwock)

INTRODUCTIONS There are no introductions.

A. WORKSHOP

A-1 Workshop to Review the Status and Use of Measure K Fire Protection Funds and to Review the Status of the Design and Construction Process for the New Northwest Madera Fire Station (Presentation by David Merchen and Matt Watson)

A-2 Workshop Review and Recommendations Regarding Water Rate Cost Factors and Revenue Sources for Capital Projects (Report by Ron Manfredi)

B. CONSENT CALENDAR

B-1 Minutes – There are no minutes for consideration.

B-2 Warrant Disbursement Report 3/13/18 – 3/26/18 (Report by Tim Przybyla)

B-3 Consideration of a Minute Order - Acceptance of the Bus Shelters and Amenities Installation, City Project Number Trans - 6 and Authorizing the Recording of a Notice of Completion (Report by Keith Helmuth)

B-4 Consideration of a Resolution Approving an Amendment to Pricing Schedule for Switched Ethernet Service with AT&T for Obtaining Fiber Optic Ethernet Service to the Waste Water Treatment Plant, and Authorizing the Mayor to Sign the Amendment on Behalf of the City (Report by Mark Souders)

B-5 Consideration of a Resolution Authorizing Submittal of an Application to the California Department of Resources Recycling and Recovery for Beverage Container Recycling City/County Payment Programs, and Authorizing the City Administrator to Execute all Grant Documents (Report by John Scarborough)

B-6 Consideration of a Resolution Approving a Lease Agreement with County of Madera for a Hangar Lease Located at the Madera Municipal Airport, and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by John Scarborough)

B-7 Consideration of a Letter of Support for the Leadership Counsel for Justice and Accountability's Scope of Work for the Sustainable Groundwater Planning Grant Program (GSA - Report by David Merchen)

B-8 Informational Report on Personnel Activity (Report by Wendy)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 A Noticed Public Hearing and Consideration of Introduction of an Ordinance Rezoning Approximately 6,000 Square Feet of Land Located 100 Feet North of the Northwest Corner of East Yosemite Avenue and High Street from the R3 (High Density Residential) Zone District to the C1 (Light Commercial) Zone District (APN: 007-123-003) (Report by Chris Boyle)

C-2 A) Consideration of a Resolution Approving an Agreement with LSA Associates, Inc. for Preparation of the Village D Specific Plan Environmental Impact Report and Authorizing the Mayor to Execute the Agreement; and

B) Consideration of a Resolution Approving an Agreement with Fagundes, Fagundes, Fagundes for the Funding of an Environmental Impact Report for the Village D Specific Plan and Authorizing the Mayor to Execute the Agreement (Report by Chris Boyle)

C-3 Consideration of a Resolution Approving the Final Map for the Varbella Estates 1 Subdivision and Authorizing Execution of Subdivision Agreement and Authorizing the Mayor to Execute the Agreement on Behalf of the City; and

Consideration of a Resolution Approving Annexation of the Varbella Estates 1 Subdivision into Zone of Benefit 39; Confirming the Diagram and Assessments for City Wide Landscape and Lighting Assessment District Zone of Benefit 39 for Fiscal Year 2018/2019; and Authorizing the City Clerk to File the Diagram and Assessment with the Madera County Auditor (Report by Keith Helmuth)

C-4 A) Consideration of a Resolution Approving an Agreement with Bob Murray & Associates for Executive Recruiting Services for the Position of City Administrator; and

B) Consideration of a Resolution Authorizing and Approving an Amendment to the City of Madera Fiscal Year 2017/18 Budget (Report by Wendy)

C-5 Consideration of a Resolution of the City Council Approving Post-Issuance Tax Compliance Procedures for Tax-Exempt Bonds (Report by Tim Przybyla)

C-6 Consideration of a Resolution of the Madera Public Financing Authority Approving Post-Issuance Tax Compliance Procedures for Tax-Exempt Bonds (MPFA - Report by Tim Przybyla)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

There are no items for this section.

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Real Property Negotiators – Pursuant to Government Code Section 54956.8

212 E. 6th St.	APN: 007-191-017
Agency Negotiators:	Steve Frazier & Lester Jorgensen
Negotiating Party:	Sams Prop Inv. LLC, Satvir Singh
Under Negotiations:	Price and Terms

G-3 Conference with Labor Negotiators pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier & Wendy Silva

Employee Organizations: General Bargaining Unit
Madera Police Officers' Association
Mid-Management Employee Group
Law Enforcement Mid-Management Group

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting April 18, 2018

[continued on next page]

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council, the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency, and a Special Meeting of the Madera Public Financing Authority for April 4, 2018, near the front entrances of City Hall at 4:30 p.m. on March 29, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING & GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, April 17, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

2:00 p.m. <u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

<u>PUBLIC COMMENT:</u> MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

<u>RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY</u>

a. Update on MID Groundwater Sustainability Agency (GSA)

<u>ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS</u>

2. CONSENT AGENDA

2a. Approval of March 20, 2018 Board Meeting Minutes

2b. Approval of April 6, 2017 Special Board Meeting Minutes

2c. Discussion / possible action on approval of warrant list payment through April 17, 2018

2d. Discussion / possible action on monthly financial report for March

3. INFORMATION ITEMS

3a. Engineering Department Report
- Presentation on WaterSMART Grants

3b. Finance Department Report

3c. Human Resources Department Report
- MID Policy Manual

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- MID 100-Year History Book
- Madera District Fair, September 6-9, 2018
- Water Supply

5. NEW BUSINESS

5a. Discussion / possible action on Settlement Agreement and Release between Madera Irrigation District and AgriLand Farming Company, Inc., Resolution No. 2018-12

5b. Discussion / possible action on authorization for General Manager to manage water supplies and execute water supply agreements, Resolution No. 2018-13

5c. Discussion on General Manager's Employment Agreement, Resolution No. 2018-14

5d. Discussion / possible action on Amendment to the Controller's Employment Agreement, Resolution No. 2018-15

5e. Discussion / possible action on Amended and Restated Water Supply Agreement Among MID, Tesoro Viejo Development, Inc., and Tesoro Viejo Mutual Water Company, Resolution No. 2018-16

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

May 15, 2018 – Regular Board Meeting

8. ADJOURNMENT

AGENDA

MADERA SUBBASIN COORDINATION MEETING

Date: Monday April 23, 2018

Time: 10am-12pm

Location: 200 W. 4th Street
Board Chambers
Madera, CA

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1. WELCOME AND INTRODUCTIONS
Goal – Roll call of coordination committee members and overview of agenda goals.

2. OVERVIEW OF ROUNDTABLE DISCUSSIONS
Goal- Update from Roundtable session discussions. Discuss public input and identify areas for discussion during today's agenda or upcoming meetings.

3. UPDATE ITEM: BASIN BOUNDARY MODIFICATIONS
Goal – Provide update to Coordination Committee on Basin Boundary Modification activities. Identify any items requiring Coordination Committee recommendations and or decisions for consideration by GSAs.

4. DISCUSS AND AFFIRM GSP DECISION MAKING PROCESS AND WORK PLAN.
Goal- Review and discuss proposed work plan for GSP development activities. This includes proposed GSA Coordination Committee meetings times, decision-points, and plan development milestones. Updates on upcoming discussion topics including management areas, GSA water budgets, and identify criteria for decisions.

5. DISCUSS COORDINATION AGREEMENT COMPONENTS AND CONSIDERATIONS.
Goal- Review sample agreements and coordination agreement requirements. Discuss and prioritize items for GSA consideration and identify next steps to begin drafting coordination agreement.

6. IDENTIFY AND AGREE ON NEXT STEPS
Goal – Review action items from meeting and affirm agenda for next meeting.

7. ADJOURN

AGENDA

MADERA SUBBASIN ROUNDTABLE MEETING

Date: Monday April 23, 2018

Time: 9am-10am

Location: 200 W. 4th Street
Board Chambers
Madera, CA

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1. WELCOME AND INTRODUCTIONS
Identify participants and share ground rules for meeting.

2. OVERVIEW OF GSA CONFIGURATION AND ENGAGEMENT PROCESSES.
Goal- Ensure mutual understanding of GSA decision-making and coordination committee role. Discuss and affirm opportunities for public engagement.

3. REVIEW MADERA SUBBASIN GSP AND COORDINATION COMMITTEE WORK PLAN.
Goal – Review GSP work plan and identify potential questions and resources required for ongoing discussions.

4. REVIEW MADERA SUBBASIN GSP AND COORDINATION COMMITTEE WORK AGENDA AND TOPICS.
Goal – Review coordination committee planned discussions. Hear public perspectives and identify questions or comments to share with the coordination committee.

5. RECAP OF ROUNDTABLE DISCUSSIONS
Goal – Summarize discussions for sharing with Coordination Committee.

6. ADJOURN

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, May 2, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Foley Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Eddie Gallegos, Good News Fellowship

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

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PRESENTATIONS

1. Proclamation Recognizing Week of Maternal Mental Health
2. Presentation by Madera County Mosquito & Vector Control District (Trinidad Reyes)

INTRODUCTIONS There are no introductions.

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 6/19/17

B-2 Warrant Disbursement Report 4/10/18 – 4/23/18 (Report by Tim Przybyla)

B-3 Water Conservation Report for 3/26/18 – 4/22/18 (Report by John Scarborough)

B-4 Consideration of a Resolution Authorizing Amendments to the FY 2017-2018 Budget Appropriating $35,135.09 from the Funds Designated for Golf Course Emergency Repair Account to Capital Outlay Equipment Replacement in the Golf Course Fund for Repairs to the Golf Course Water Well (Report by Mary Anne Seay)

B-5 Consideration of a Resolution Approving a Facility Use Agreement with Fresno County Office of Education (FCOE) for Use of Scout Island Outdoor Education Center and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by Mary Anne Seay)

B-6 Consideration of a Minute Order Approving Settlement of a Claim with Progressive Casualty Insurance Company for Property Damage (Report by Wendy Silva)

B-7 Consideration of a Resolution Approving the Madera Subbasin Groundwater Sustainability Agencies Madera Subbasin Coordination Committee Charter (GSA - Report by David Merchen)

B-8 Consideration of a Minute Order Rejecting all Bids for Project No. R-74: Reclamite Application on Various City Streets (Report by Frank Holguin)

B-9 Informational Report on Personnel Activity (Report by Wendy Silva)

B-10 Consideration of a Resolution Setting the Rate of Compensation for the Legal Assistant Classification (Report by Wendy Silva)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Consideration of a Resolution Approving a Rental Agreement with the 21-A District Agricultural Association for the Collaborative Use of the Madera Fairgrounds and Associated Facilities for Three One-Week Summer Day Camp Programs and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by Mary Anne Seay)

C-2 Consideration of a Resolution Supporting the Reducing Crime and Keeping California Safe Act of 2018 (Report by Dino Lawson)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

E-1 Presentation and Acceptance of the Audited Financial Statements and Single Audit Report (Federal Grants) for the Fiscal Year Ended June 30, 2017 (Report by Tim Przybyla)

E-2 Discussion and Direction to Staff Regarding Consolidating and Outsourcing Solid Waste Activities under the Existing Mid Valley Disposal Contract (Report by John Scarborough)

F. COUNCIL REPORTS

F-1 Request for Letter in Support of AB 3218 Millerton Lake State Recreation Area: Expansion. Acquisition of Land. (Report by Council Member Oliver)

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier & Wendy Silva

Employee Organizations: General Bargaining Unit
Madera Police Officers' Association
Mid-Management Employee Group
Law Enforcement Mid-Management Group
Management Employees

G-3 Conference with Real Property Negotiators - Pursuant to Government Code Section 54956.8

Property:	1 Parcel
905 S. Gateway Dr.	APN: 011-182-002
Agency Negotiators:	David Merchen, Les Jorgensen
Negotiating Parties:	Stephen J. Allen
Under Negotiations:	Price and Terms

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting May 16, 2018

[continued on next page]

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- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
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- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for May 2, 2018, near the front entrances of City Hall at 5:00 p.m. on April 26, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

MAIN GOVERNMENT CENTER
200 W. 4TH STREET, RM 3005
MADERA, CA 93637
Phone: (559) 675-7703
www.MaderaCounty.com

Stephanie Anagnoson, Recording Secretary

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for Regular Meeting of the
GROUNDWATER SUSTAINABILITY AGENCY:
MADERA SUB-BASIN ADVISORY COMMITTEE
May 9, 2018
6:00 P.M.

Meetings of the Madera Sub-Basin Advisory Committee shall convene in Room 3005, Madera County Government Center, 200 West 4th Street, 3rd Floor, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary.

REGULAR ITEMS

4. **SUSTAINABILITY GROUNDWATER MANAGEMENT AGENCY EDUCATION**

5. **SUSTAINABILITY GROUNDWATER MANAGEMENT AGENCY SUB-BASIN UPDATE**

6. **SUSTAINABILITY GROUNDWATER CALENDAR**

7. **ADJOURNMENT**

Next Meeting Date: August 8, 2018 @ 6:00 P.M.
November 7, 2018 @ 6:00 P.M.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING & GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, May 15, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

2:00 p.m. <u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

<u>PUBLIC COMMENT:</u> MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

<u>RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY</u>

a. Update on MID Groundwater Sustainability Agency (GSA)

b. Discussion / possible direction on Madera Subbasin management areas

c. Discussion / possible direction on developing Madera Irrigation District GSA mission statement

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of April 17, 2018 Board Meeting Minutes

2b. Discussion / possible action on approval of warrant list payment through May 15, 2018

2c. Discussion / possible action on monthly financial report for April

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- Water Supply

5. OLD BUSINESS

5a. Discussion / possible action on Amended and Restated Water Supply Agreement Among MID, Tesoro Viejo Development, Inc., and Tesoro Viejo Mutual Water Company, Resolution No. 2018-16

6. NEW BUSINESS

6a. Presentation from Sustainable Conservation on 2017 recharge efforts – **Timed Item 3:00 p.m.**

6b. Presentation of Annual 401k Trustee Report from Cornerstone Advisory Group – **Timed Item 3:30 p.m.**

6c. Discussion / possible action on modifications to the District's 401k Plan, Resolution No. 2018-17

6d. Discussion / possible action on setting the dates for the Board of Equalization

6e. Discussion / possible action on Project Cooperation Agreement between City of Madera and Madera Irrigation District for APNs 006-380-006 and 006-380-011, Resolution No. 2018-18

6f. Discussion / possible action on Consulting Services Agreement with Carollo Engineers, Inc. for Asset Management Gap Assessment and Capital Improvement Plan Development, Resolution No. 2018-19

6g. Discussion / possible action on Request to Conduct Elections, Resolution No. 2018-20

7. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

8. NEXT SCHEDULED BOARD MEETINGS

June 19, 2018 – Regular Board Meeting

9. ADJOURNMENT

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, June 6, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Foley Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Randy Brannon, Grace Community Church

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS Recognition of the Temporary Housing for Homeless Families at the Pomona Ranch Housing Center Program Award (Linda Shaw)

INTRODUCTIONS There are no introductions.

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 06/07/17

B-2 Warrant Disbursement Report 5/8/18 – 5/29/18 (Report by Tim Przybyla)

B-3 Water Conservation Report for 4/23/18 – 5/20/18 (Report John Scarborough)

B-4 Consideration of a Resolution Approving the Applications for Transportation Development Act-Local Transportation Funds and State Transit Assistance Funds for Fiscal Year 2018/19 and Authorizing the City Engineer to Execute and Submit the Applications to the Madera County Transportation Commission (Report by Keith Helmuth)

B-5 Consideration of a Resolution Authorizing the City Administrator and/or His/Her Designee to Execute an Agreement and Any Related Amendments with the California Department of Justice Related to the Tobacco Law Enforcement Grant Program Award (Report by Ivette Iraheta)

B-6 Consideration of a Resolution Rescinding Resolution No. 2017-197 Approving the Current Lease Agreement with First Transit, Inc. and Approving a Revised Lease Agreement with First Transit, Inc. for Use of Office Space at the Intermodal Facility and Authorizing the Mayor to Execute All Related Documents (Report by Ivette Iraheta)

B-7 Consideration of a Resolution Approving a Memorandum of Extension Agreement for Management and Operation of Madera Transit Service with First Transit, Inc. and Authorizing the Mayor to Execute All Documents Necessary to Effectuate the Extension (Report by Ivette Iraheta)

B-8 Consideration of a Resolution Approving Amendment No. 1 to the Agreement with Stantec Consulting Services, Inc. for Professional Engineering Services for Wastewater Treatment Plant Maintenance Projects and Authorizing the Mayor to Sign the Amendment on Behalf of the City (Report by John Scarborough)

B-9 Consideration of a Resolution of the City Council of the City of Madera Adopting the Draft Relocation Plan for the Olive Avenue Widening & Reconstruction Project (Report by Keith Helmuth)

B-10 Informational Report on Personnel Activity (Report by Wendy Silva)

B-11 Informational Report – Change from Detailed Minutes to Action Minutes for City Council Meetings (Report by Sonia Alvarez)

B-12 Consideration of a Resolution Approving a Second Amendment to the Food Service Agreement with Madera Unified School District to Provide Meals to Eligible Youth During the Summer Food Service Program and Authorizing the Mayor to Execute the Second Amendment to the Agreement on Behalf of the City (Report by Mary Anne Seay)

B-13 Consideration of a Resolution Accepting a Grant Award from the San Joaquin Valley Air Pollution Control District Public Benefit Program Alt-Fuel Component and Authorizing the City Administrator, or Designee, to Execute All Required Grant Documents (Report by Randy Collin)

B-14 Consideration of a Minute Order Rejecting a Claim Filed by Matthias Aguilar (Report by Wendy Silva)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 2018 General Plan Amendments - Cycle I
Public Hearing and Consideration of a Resolution of the City Council of the City of Madera Amending the Parks and Recreation Element and Circulation and Infrastructure Element of the General Plan of the City of Madera, as follows: (Report by Chris Boyle)

A. GPA 2018-01 – Parks and Recreation Element
An application to amend the Parks and Recreation Element in order to be consistent with recently adopted ordinance adding Title X, Chapter 2, Section 1300 et seq. to the Madera Municipal Code pertaining to acquisition of park lands as provided by the Quimby Act.

B. GPA 2018-02 – Circulation and Infrastructure Element
An application to amend the Circulation and Infrastructure Element's Figure C1-1: Circulation Master Plan, to correct omissions to and update the adopted circulation map. Impacted streets which will be added to the arterial street classification are a segment of Gateway Drive, north of Almond Avenue. Impacted streets which will be added to the collector street classification include a segment of Granada Drive, between Cleveland Avenue and Kennedy Street, and a proposed extension of Kennedy Street, between Lake Street and Austin Street

C-2 Public Hearing and Consideration of a Resolution Adopting the Measure 'T' Annual Expenditure Plan for Fiscal Year 2018/19 and Authorizing the City Engineer to Submit the Plan to the Madera County Transportation Authority for Adoption (Report by Keith Helmuth)

C-3 Public Hearing on Objections to Weed Abatement and Consideration of a Resolution of the City Council of the City of Madera Authorizing the City Administrator or Designee to Abate Weed Nuisances Existing within the City (Report by Fabela Rodriguez)

D. WRITTEN COMMUNICATIONS

D-1 Consideration of Request by Baltimore Aircoil Company to Allow for Connection to the City's Water and Sewer Systems (Keith Helmuth)

E. ADMINISTRATIVE REPORTS

E-1 Informational Report on Procurement of Emergency Sewage Bypass Pump Services from Rain for Rent San Joaquin at the Fairgrounds Lift Station (Report by John Scarborough)

E-2 Consideration of a Resolution Initiating the Process to Finance a Fire Station and to Engage Selected Parties for Professional Services Required to Complete the Financing and Request for Direction from the City Council on the Term of the Financing (Report by Tim Przybyla)

E-3 Review and Feedback on Proposed Text for City Administrator Recruitment Brochure and Direction Regarding Next Steps (Report by Wendy Silva)

E-4 Informational Report Regarding the Regular Council Meeting Scheduled 7/04/18 (Report by Sonia Alvarez)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Real Property Negotiators – Pursuant to Government Code Section 54956.8

Property:	Parcel #1
905 S. Gateway Drive	APN: 011-182-002
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	Stephen J. Allen
Under Negotiation:	Price and Terms

Property:	Parcel #2
Vacant Lot	APN: 011-203-005
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	Francisco Nunez and Martha Leon Caro

Property:	Parcel #3
546 E. Olive Avenue	APN: 011-300-001
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	J. W. Myers, Inc. a California Corporation

Property:	Parcel #4
644 E. Olive Avenue	APN: 011-300-010
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	SJR LLC, a California Limited Liability Company

Property:	Parcel #5
Vacant Lot	APN: 011-300-011
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	John Gonzalez and Beatrice Gonzalez

Property:	Parcel #6
1280 E. Olive Avenue	APN: 011-330-002
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	Bernabe Castillo and Guillermina Ramirez

Property:	Parcel #7
62 S. Knox Street	APN: 011-330-003
Agency Negotiators:	Keith Helmuth, Les Jorgensen
Negotiating Parties:	Bernabe Castillo, Guillermina Ramirez and Asuncion Ramirez

G-3 Conference with Real Property Negotiators - Pursuant to Government Code Section 54956.8

Property:	1 Parcel
325 S D St.	APN: 007-191-014
Agency Negotiators:	Steve Frazier
Negotiating Parties:	Fred and Diane Massetti
Under Negotiations:	Price and Terms

G-4 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier & Wendy Silva

Employee Organizations:
- General Bargaining Unit
- Madera Police Officers' Association
- Mid-Management Employee Group
- Law Enforcement Mid-Management Group
- Management Employees

Unrepresented Direct Reports:
- City Clerk, City Administrator, City Attorney, Executive Director of the Successor Agency to the Former Madera Redevelopment Agency

G-5 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting June 20, 2018

[continued on next page]

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for June 6, 2018, near the front entrances of City Hall at 5:00 p.m. on May 31, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

MADERA IRRIGATION DISTRICT
GROUNDWATER COMMITTEE MEETING

AGENDA

MISSION STATEMENT
To obtain and manage affordable surface and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Thursday, June 14, 2018
1:00 pm.

Madera Irrigation District
12152 Road 28 1/4
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

1. CALL TO ORDER

2. PUBLIC COMMENT

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items which are within the subject matter jurisdiction of the Committee. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Chairman of the Committee has the option of asking the speaker to hold the comment until that item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

3. NEW BUSINESS

3a. Discussion / recommendation on MID Groundwater Sustainability Agency ("GSA") outreach

3b. Discussion / recommendation on MID GSA mission statement

3c. Discussion only on Groundwater Sustainability Plan Planning Process

4. ADJOURNMENT

In accordance with Government Code 54957.5(2) (1), copies of the Agenda and any writing in connection with open session items are available for public inspection during normal business hours at the Madera Irrigation District office.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING
BOARD OF EQUALIZATION

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, June 19, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. CLOSED SESSION Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([4] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District v. Madeline Bautista, et. al., Case No. MCV077665

1e. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Paragraph (1) of subdivision (b) of Government Code Section 54957
Title: Assistant General Manager

2:00 p.m. CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session
The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

2:00 p.m.

RECESS AS MID BOARD OF DIRECTORS / CONVENE AS BOARD OF EQUALIZATION

The Board of Directors, acting as the Board of Equalization will hear and determine objections to the valuation, acreage, or any other matter pertaining to assessments.

ADJOURN AS BOARD OF EQUALIZATION / RECONVENE AS MID BOARD OF DIRECTORS

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (GSA)

b. Report on June 14, 2018 Committee Meeting from the MID Groundwater Committee

c. Discussion / possible direction on District wide sustainability approach to MID GSA

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of May 15, 2018 Board Meeting Minutes

2b. Discussion / possible action on approval of warrant list payment through June 19, 2018

2c. Discussion / possible action on monthly financial report for May

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- Water Supply

5. NEW BUSINESS

5a. Discussion / possible action on approval to negotiate and enter into a Consulting Services Agreement with Blair, Church, and Flynn for the Engineering Services for the Westberry Boulevard Pipeline Project, Resolution No. 2018-21

5b. Discussion / possible action on formation of an Ad Hoc Committee to review Madera Water District parcels within Madera Water District and Madera Irrigation District boundaries, Resolution No. 2018-22

5c. Discussion / possible action on Agreement to Forego Exchange of Property Tax Revenues between Madera County, Root Creek Water District, and Madera Irrigation District Resolution No. 2018-23

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

July 17, 2018 – Regular Board Meeting

8. ADJOURNMENT

AGENDA

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
GROUNDWATER SUSTAINABILITY PLAN (GSP) PREPARATION WORKSHOP
MADERA SUBBASIN

Date:	Monday, June 25, 2018
Time:	1pm-4pm
Location:	Madera Farm Bureau 1102 S. Pine Street, Madera 93637

MEETING OBJECTIVES:

- Review individual GSA water budget results with current land use
- Discuss how projects and management actions fit into the GSP development.

1. WELCOME AND INTRODUCTIONS

Goal: Review meeting objectives and agenda, general updates to GSP work plan.

2. REVIEW BASIN BOUNDARY SURFACE WATER SYSTEM BUDGET

Goal: Overview of the Basin boundary system, identify how the surface water budgets fit into the overall structure of the GSP. Clarify distinctions between water budgets, sustainable yield and GSP sustainability goals.

PUBLIC COMMENT AND QUESTIONS TAKEN THROUGHOUT PRESENTATION

3. DISCUSS HOW PROJECTS AND MANAGEMENT ACTIONS FIT INTO THE GSP DEVELOPMENT PROCESS TO ADDRESS SUSTAINABILITY GOALS

Goal: Define how a combination of projects and management actions will increase supply and/or reduce demand to satisfy sustainability goals. Clarify guidelines and policies behind management actions and projects under SGMA.

PUBLIC COMMENT AND QUESTIONS TAKEN THROUGHOUT PRESENTATION

4. UPDATE ON GSA SURFACE WATER SYSTEM BUDGETS

Goal: provide updated surface water budgets for each of the seven Madera Subbasin GSAs.

PUBLIC COMMENT AND QUESTIONS TAKEN THROUGHOUT PRESENTATION

5. DISCUSSION

Format: Members of the public have an opportunity to discuss the presentation with the GSP consultant team.

6. PUBLIC COMMENT

At this time members of the public may comment on any item not appearing on the agenda.

7. RECAP AND OUTLINE NEXT STEPS

Goal: Review topics discussed during workshop. Provide an overview of additional opportunities to discuss and inform GSA decision making on GSP components.

8. ADJOURN

As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.

Regular Meeting of the Madera City Council
Special Meeting of the Madera Public Financing Authority
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Thursday, July 5, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor/Chairperson Andrew J. Medellin**
Mayor Pro Tem/Authority Member Jose Rodriguez, District 2
Council/Authority Member Cece Foley Gallegos, District 1
Council/Authority Member William Oliver, District 3
Council/Authority Member Derek O. Robinson Sr., District 4
Council/Authority Member Charles F. Rigby, District 5
Council/Authority Member Donald E. Holley, District 6

INVOCATION: Hannah Cunnings, Believers Church of Madera

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council/Authority on items which are within the subject matter jurisdiction of the Council/Authority. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor/Chairperson has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council/Authority is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council/Authority does not respond to public comment at this time.

PRESENTATIONS

1. Presentation on Madera County Library Improvements (Patrick Fitzgerald, County Librarian)

2. Recognize Charles Rigby - Housing Authority Chairperson of the Year Awarded by the Pacific Southwest Regional Council of NAHRO (National Association of Housing and Redevelopment Officials)

INTRODUCTIONS There are no introductions.

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 07/05/17, 06/20/18

B-2 Warrant Disbursement Report 6/12/18 – 6/25/18 (Report by Tim Przybyla)

B-3 Water Conservation Report for May 21st through June 17th (Report by John Scarborough)

B-4 Consideration of a Resolution Approving the Award of Contract for Reclamite Application on Various City Streets, City Project No. R-74, in the Amount of $192,191.56 to Telfer Pavement Technologies, Inc., Authorizing Construction Contingencies of Up to 10%, Construction Inspections and Construction Management Up to 8% as Approved by the City Engineer and Authorizing the Mayor to Execute the Contract on Behalf of the City (Report by Keith Helmuth)

B-5 Consideration of a Minute Order Accepting the 2017 Water Meter Project, City Project No. W 17-01, Authorizing Recording of the Notice of Completion and Authorizing the Release of Retention (Report by Keith Helmuth)

B-6 Informational Report on Personnel Activity (Report by Wendy Silva)

B-7 Consideration of a Resolution Approving the Submission of a Grant Application to the California Department of Transportation Active Transportation Program and Authorizing the City Administrator, or Designee, to Execute All Required Grant Documents (Report by Ivette Iraheta)

B-8 Consideration of a Resolution of the Board of Directors of the Madera Public Financing Authority Electing Officers (MPFA - Report by Brent Richardson)

B-9 Consideration of a Resolution of the City Council of the City of Madera Approving Documents Necessary for Participating in the Voluntary Closing Agreement Program (VCAP) with the IRS Relative to the Madera Public Financing Authority 1993 Variable Rate Demand Bonds and Authorizing the Mayor to Execute the Documents on Behalf of the City of Madera (City - Report by Brent Richardson)

B-10 Consideration of a Resolution of the Board of Directors of the Madera Public Financing Authority Approving Documents Necessary for Participating in the Voluntary Closing Agreement Program (VCAP) with the IRS Relative to the Madera Public Financing Authority 1993 Variable Rate Demand Bonds and Authorizing the Chairperson to Execute the Documents on Behalf of the Authority (MPFA - Report by Brent Richardson)

B-11 Consideration of a Resolution Approving an Agreement with the Kings View Skills4Success Program to Provide Paid Work Experience for Madera Youth through the Career Education and Exploration Program and Authorizing the Mayor to Execute the Agreement on Behalf of the City and Authorizing the Impacted Department Director to Execute Individual Worksite Agreements for Program Participants (Report by Mary Anne Seay)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Public Hearing and Consideration of a Resolution Adopting the City of Madera Budget, Capital Improvement Program (CIP), Master Fee Schedule and Master Penalty Schedule for Fiscal Year 2018/2019 (Report by Tim Przybyla)

C-2 A Noticed Public Hearing and Consideration of Introduction of an Ordinance Rezoning Approximately 3.57 Acres Located Approximately 600 feet North of the Northeast Corner of the Intersection of Adelaide Avenue and Sunrise Avenue from the R1 (Low Density Residential) Zone District to the PD-6000 (Planned Development) Zone District (Report by Chris Boyle)

C-3 Consideration of a Resolution Setting the Monthly Health Benefit Allowance for the City Council of the City of Madera (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

E-1 Request to Appoint a Council Ad-Hoc Committee to Work with Staff to Discuss and Evaluate Policies and Business Development Opportunities Related to the Cannabis Industry as Necessary (Report by Steve Frazier)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier & Wendy Silva

Employee Organizations:
- General Bargaining Unit
- Madera Police Officers' Association
- Mid-Management Employee Group
- Law Enforcement Mid-Management Group
- Management Employees

Unrepresented Direct Reports:
City Clerk, City Administrator, City Attorney, Executive Director of the Successor Agency to the Former Madera Redevelopment Agency

G-3 Conference with Legal Counsel – Existing Litigation. Subdivision (d)(1) of Government Code §54956.9

One case: MCA 1803, LLC, et al. v. City of Madera
MCV073252

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting July 18, 2018

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council, the Special Meeting of the Madera Public Financing Authority, and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for Thursday, July 5, 2018, near the front entrances of City Hall at 4:30 p.m. on June 28, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, July 17, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. **<u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.**

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([5] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([1] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District v. Madeline Bautista, et. al., Case No. MCV077665

2:00 p.m. **<u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>**

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

<u>PUBLIC COMMENT:</u> MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID & MID GSA Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

<u>RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY</u>

a. Update on MID Groundwater Sustainability Agency (GSA)

b. Discussion / possible action on MID GSA Mission Statement and Vision Statement, Resolution 2018-GSA02

c. Discussion / possible direction on options related to Groundwater Sustainability Plan (GSP) development

d. Discussion only on MID GSA Sustainability Goals

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of June 19, 2018 Board Meeting Minutes

2b. Approval of June 22, 2018 Board Meeting Minutes

2c. Discussion / possible action on approval of warrant list payment through July 17, 2018

2d. Discussion / possible action on monthly financial report for June

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities

- Controller Recruitment
- RFQ / RFP for Madera Lake Emergency Action Plan
- Rescheduling of August & September Board Meetings
- Water Supply

5. NEW BUSINESS

5a. Discussion / possible action on appointment of General Manager of Madera Irrigation District as Interim Controller and Treasurer, Resolution No. 2018-26

5b. Discussion / possible action on U.S. Department of Interior Bureau of Reclamation Central Valley Project, California Madera Irrigation District Distribution System Lateral 24.2-13.2 Contract and Grant of Easement to the City of Madera, Resolution No. 2018-27

5c. Discussion / possible action on Assistant General Manager's Employment Agreement, Resolution No. 2018-28

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

August 21, 2018 – Regular Board Meeting

8. ADJOURNMENT

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, August 1, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Foley Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Roger Leach, Valley West Christian Center

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS Proclamation Recognizing National Night Out (NNO) 2018 and Update on Upcoming NNO Event (Christina Herrera)

INTRODUCTIONS There are no introductions.

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 8/16/17, 7/18/18

B-2 Warrant Disbursement Report 7/10/18 – 7/23/18 (Report by Tim Przybyla)

B-3 Informational Report on Personnel Activity (Report by Wendy Silva)

B-4 Consideration of a Resolution of the Madera City Council Approving an Agreement with the Madera Unified School District for the Provision of Law Enforcement Services and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by Brian Esteves)

B-5 Consideration of a Resolution Approving Agreement for Outside of City Water and Sewer Service for Property Located at 13859 Road 28 (Tozer Street), Approving Covenant to Annex, Authorizing the Mayor to Execute the Agreement and Covenant on Behalf of the City and Directing Staff to Record the Agreement and Covenant (Report by Keith Helmuth)

B-6 Consideration of a Resolution Approving an Agreement for Services of Independent Contractor and Authorizing the City Administrator and/or his/her Designee to Execute the Agreement and any Related Documents with the Local Government Commission Related to the CivicSpark Program (Report by Ivette Iraheta)

B-7 Consideration of a Resolution Approving Request for Outside of City Water Service for Up to Eleven Properties Located on Avenue 14, Approving Covenants to Annex, Authorizing the Mayor to Execute the Agreements and Covenants on Behalf of the City and Directing Staff to Record the Agreements and Covenants (Report by Keith Helmuth)

B-8 Consideration of a Resolution Approving the Award of Contract for 2017-18 City ST. 3R and ADA Project City Project No. R-65 State Project No. LPPSB1-5157(112) to Emmett's Excavation Inc., Authorizing Construction Contingencies of Up to 10% as Approved by the City Engineer, Construction Management and Inspection Costs Up to 10% and Authorizing the Mayor to Execute the Contract on Behalf of the City; and

Consideration of a Resolution Approving Funding Amendments to the City of Madera Fiscal Year 2017/18 Capital Projects Budget for 2017-18 City ST. 3R and ADA Project City Project No. R-65 State Project No. LPPSB1-5157(112) (Report by Keith Helmuth)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Consideration of a Resolution Approving the Third Amendment to the Agreement with Mid Valley Disposal for Solid Waste and Recycling Services and Authorizing the Mayor to Sign the Amendment on Behalf of the City (Report by John Scarborough)

C-2 Public Hearing & Consideration of a Resolution Confirming the Assessments for City Wide Landscape and Lighting Assessment District Zones of Benefit 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 and Authorizing the City Engineer to File the Diagram and Assessment with the Auditor of Madera County (Report by Keith Helmuth)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

E-1 Request for Direction – Scheduling of Joint City Council / Planning Commission Workshop on the Zoning Ordinance Update (Report by Chris Boyle)

E-2 Informational Report Presenting the Koff & Associates Final Total Compensation Study for Executive and Management Classifications and the Report from Mr. Ron Manfredi on Executive and Management Compensation and Benefits (Report by Wendy Silva)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier & Wendy Silva

Employee Organizations:
General Bargaining Unit
Madera Police Officers' Association
Mid-Management Employee Group
Law Enforcement Mid-Management Group
Management Employees

Unrepresented Direct Reports:
City Clerk, City Administrator, City Attorney, Executive Director of the Successor Agency to the Former Madera Redevelopment Agency

G-3 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting August 15, 2018

[continued on next page]

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for August 1, 2018, near the front entrances of City Hall at 4:30 p.m. on July 26, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

You're Invited!

GROUNDWATER WORKSHOP

THIS WORKSHOP WILL COVER:

- California's New Groundwater Law — the Sustainable Groundwater Management Act (SGMA) of 2014 with an emphasis on Key SGMA Terms, Sustainability Criteria, and Understanding Undesirable Results, Measurable Objectives, and Minimum Thresholds
- How to Participate in Local Groundwater Sustainability Planning and Management

DATE: Thursday, August 2, 2018

TIME: 5:30 P.M. - 7:30 P.M.

WHERE: Frank Bergon Senior Center
238 S. D Street, Madera, CA 93638

This workshop will prepare you for future public workshops within the Madera Subbasin

For More Information:

Maria Herrera (559) 802-1676, MariaH@SelfHelpEnterprises.org **or**
Stephanie Anagnoson (559) 675-7703, Stephanie.Anagnoson@maderacounty.com **or**
Amanda Monaco (559) 369-2788 ext. 1003, amonaco@leadershipcounsel.org **or**
David Merchen, (559) 661-5430, dmerchen@cityofmadera.com
Translation services will be available

Self-Help Enterprises

Madera County

The City of Madera Valley Central

Leadership Counsel for Justice & Accountability

¡Estás invitado!

TALLER SOBRE EL AGUA SUBTERRÁNEA

Temas del Taller:

- Nueva ley estatal del agua subterránea de California— Ley la Ley del Manejo Sostenible del Agua Subterránea (SGMA, por sus siglas en ingles) de 2014, con énfasis en los Términos Clave SGMA, Criterios de Sostenibilidad y Comprender los Resultados no Deseados, los Objetivos Medibles y los Umbrales Mínimos
- Cómo Participar en la Planificación y Gestión Local del Manejo Sostenible del Agua Subterránea

FECHA: jueves, 2 de agosto de 2018

HORA: de 5:30 - 7:30 de la tarde

DÓNDE: Frank Bergon Senior Center

238 S. D Street, Madera, CA 93638

Este taller lo preparará para futuros talleres públicos dentro de la Subcuenca de Madera

Para más información:

Maria Herrera (559) 802-1676, MariaH@SelfHelpEnterprises.org **o**

Stephanie Anagnoson (559) 675-7703, Stephanie.Anagnoson@maderacounty.com **o**

Amanda Monaco (559) 369-2788 ext. 1003, amonaco@leadershipcounsel.org **o**

David Merchen, (559) 661-5435, dmerchen@cityofmadera.com

Servicios de Traducción estarán Disponibles

Self-Help Enterprises

MADERA COUNTY

The City of MADERA VALLEY CENTRAL

LEADERSHIP COUNSEL FOR JUSTICE & ACCOUNTABILITY

MAIN GOVERNMENT CENTER
200 W. 4TH STREET
MADERA, CA 93637
www.MaderaCounty.com

MADERA COUNTY

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for Regular Meeting of the
MADERA SUBBASIN ADVISORY COMMITTEE
August 8, 2018
6:00 P.M.

Meetings of the Madera Subbasin Advisory Committee shall convene in room 3005, Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary**.**

4. **ADVISORY RULES & CONDUCT**

5. **MADERA SUBBASIN UPDATE & CALENDAR**

   a. **Report on Ventura County Groundwater Fact Finding Mission**
   b. **Subbasin Activities**

6. **MADERA SUBBASIN PROJECTS AND MANAGEMENT ACTIONS**

7. **ADJOURNMENT**

Next Meeting Date: November 7, 2018 at 6 p.m.

MADERA IRRIGATION DISTRICT
SPECIAL MEETING
GROUNDWATER SUSTAINABILITY AGENCY
SPECIAL BOARD MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, September 4, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. CLOSED SESSION Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District v. Madeline Bautista, et. al., Case No. MCV077665

1f. CONFERENCE INVOLVING A JOINT POWERS AUTHORITY – Pursuant to California Government Code Section 54956.96; Friant Power Authority
Discussion will concern:
Conference with legal counsel - existing litigation- Pursuant to Paragraph (1) of subdivision (d) of GC Section 54956.9, the Board will meet to discuss: Syblon Reid v. Friant Power Authority, California Superior Court, Kern County Case No. BCV-18-101818.
Name of local agency representative(s) on joint powers agency board: Carl Janzen, Director; Thomas Greci, Member, Advisory Committee

2:00 p.m. CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID & MID GSA Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (GSA)

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of July 17, 2018 Board Meeting Minutes

2b. Discussion / possible action on approval of warrant list payment through September 4, 2018

2c. Discussion / possible action on monthly financial report for July

2d. Discussion / possible action on Letter of Permission for Madera Irrigation District Use of Killarney Road and Killkelly Road to Access San Joaquin River Pump Station, Resolution No. 2018-29

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities

- Madera Lake Lease Agreement Extension
- Madera Lake Emergency Action Plan

- Term Sheet Re: Extension of Transfer Agreement with San Luis & Delta-Mendota Water Authority, U.S. Bureau of Reclamation, and Madera Irrigation District
- Update on End of Water Season

5. NEW BUSINESS

5a. Discussion / possible action on signatories for Local Agency Investment Fund, Resolution No. 2018-30

5b. Discussion / possible action on acceptance of 401(K) Pension Plan Report on Audited Financial Statements Years Ended December 31, 2017 and 2016, Resolution No. 2018-31

5c. Discussion / possible action on authorization for General Manager to approve Temporary Construction Permits to the State of California, California High Speed Rail to Relocate Bureau of Reclamation Facilities, Friant Division, Central Valley Project, Resolution No. 2018-32

5d. Discussion / possible action on Soquel Letter Agreement Extension with Pacific Gas & Electric, Resolution No. 2018-33

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

October 16, 2018 – Regular Board Meeting

8. ADJOURNMENT

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, September 5, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Tim McGraw, Yosemite Christian Center

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS Proclamation Recognizing Fastway Chicken's 40th Anniversary

INTRODUCTIONS None.

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 9/13/17, 8/08/18, 8/15/18, 8/18/18

B-2 Warrant Disbursement Report 8/8/18 – 8/28/18 (Report by Tim Przybyla)

B-3 Water Conservation Report for July 23rd through August 19th (Report by John Scarborough)

B-4 Informational Report on Personnel Activity (Report by Wendy Silva)

B-5 Consideration of a Resolution Approving Four Agreements for Purchase and Sale of Real Property with the Property Owners, Acceptance of Four Easement Deeds for the Olive Avenue Widening and Reconstruction Project Between Gateway Drive and Knox Street, Authorizing the Mayor to Execute the Agreements and Authorizing the City Administrator to Execute All Documents Necessary to Effectuate the Purchase (Report by Keith Helmuth)

B-6 Consideration of a Resolution Approving the 2018 Transit Asset Management Plan (Report by Ivette Iraheta)

B-7 Consideration of a Minute Order Rejecting a Claim filed by Gene Turner (Report by Wendy Silva)

B-8 Consideration of a Resolution Approving a Lease Agreement with County of Madera for a Hangar Lease Located at the Madera Municipal Airport, and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by John Scarborough)

B-9 Consideration of a Minute Order Authorizing Submittal of the Parade Entry Form and Authorizing the Mayor to Sign the Hold Harmless Agreement for Council Participation in the Old Timers Day Parade (Report by Sonia Alvarez)

B-10 Consideration of a Written Request by the Original Madera Kiwanis Club Seeking Council Approval to Cover the Cost of Police and Public Works Fees in Conjunction with the Old Timers Day Parade (Report by Brian Esteves)

B-11 Consideration of a Resolution Authorizing the City to Make an Application for Award to the Edward Byrne Memorial Justice Assistance Grant Program FY 2018 Local Solicitation (Report by Ivette Iraheta)

B-12 Consideration of a Resolution Approving a Memorandum of Understanding Between the City of Madera and the Madera Affiliated City Employees' Association and Authorizing the City Administrator to Sign the Memorandum (Report by Wendy Silva)

B-13 Consideration of a Resolution Approving a Memorandum of Understanding Between the City of Madera and the Mid-Management Employee Group and Authorizing the City Administrator to Sign the Memorandum (Report by Wendy Silva)

B-14 Consideration of a Resolution Approving Agreement for Outside of City Water Service for Property Located at 16440 N Lake St., Approving Covenant to Annex, Authorizing the Mayor to Execute the Agreement and Covenant on Behalf of the City and Directing Staff to Record the Agreement and Covenant (Report by Keith Helmuth)

B-15 Consideration of a Resolution Approving a Memorandum of Understanding between the City of Madera and the Law Enforcement Mid Management Group and Authorizing the City Administrator to Sign the Memorandum (Report by Wendy Silva)

B-16 Consideration of a Resolution Approving an Improvement Deferral Agreement and Authorization of Lien for Site Plan Review SPR 2018-15 Improvements and Authorizing the Mayor to Sign the Agreement on Behalf of the City (Report by Chris Boyle)

B-17 Consideration of a Minute Order Approving and Accepting the City of Madera Investment Report for the Quarter Ending June 30, 2018 (Report by Tim Przybyla)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Consideration of Resolution Approving Agreement with Carollo Engineers, Inc. for Professional Engineering Design Services for a Water Storage Tank, Pump Station, and Transmission Main for the City of Madera (Report by Keith Helmuth)

C-2 Second Reading and Consideration of Adoption of an Ordinance Pertaining to the Formulation of a City-Wide Youth Commission (Report by Mary Anne Seay)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

E-1 Informational Report on the Sustainable Communities Grant Program-State Route (SR) 145 (Yosemite Avenue) as Downtown Main Street (Report by Jimmy Monreal)

E-2 Direction to Staff Regarding Setting a Date for Discussion of Items Related to the Water Enterprise Fund (Report by David Merchen)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Legal Counsel – Anticipated Litigation. Significant exposure to litigation pursuant to Government Code §54956.9(d)(2) – 3 cases

G-3 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier, Wendy Silva

Unrepresented Positions:
City Clerk, City Administrator/City Manager, City Attorney, Planning Manager, Director of Community Development, Police Chief, Grant Administrator, City Engineer, Information Services Manager, Director of Parks & Community Services, Chief Building Official, Director of Financial Services, Public Works Operations Director and Director of Human Resources

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting September 19, 2018

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
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- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for September 5, 2018, near the front entrances of City Hall at 4:30 p.m. on August 30, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, October 3, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor David Dougherty, Harvest Community Church

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS None.

INTRODUCTIONS None.

A. WORKSHOP

A-1 Discussion and Direction Regarding the Initiation of a Proactive Annexation North of the Current City Limits (Presentation by David Merchen and Chris Boyle)

B. CONSENT CALENDAR

B-1 Minutes – 9/20/17, 9/05/18

B-2 Warrant Disbursement Report 9/11/18 – 9/24/18 (Report by Tim Przybyla)

B-3 Informational Report on Personnel Activity (Report by Wendy Silva)

B-4 Consideration of a Resolution Amending the City of Madera FY 18/19 Budget for the Rental of a Street Sweeper (Report by John Scarborough)

B-5 Consideration of a Resolution Approving Agreement for Outside of City Water and Sewer Service with the Madera Unified School District (MUSD) for the Matilda Torres High School Located at 16645 Road 26 (Country Club Drive), Approving Covenant to Annex, Authorizing the Mayor to Execute the Agreement and Covenant on Behalf of the City and Directing Staff to Record the Agreement and Covenant (Report by Keith Helmuth)

B-6 Consideration of a Resolution Accepting an Irrevocable Offer of Dedication Deed from the Property Owner for the Olive Avenue Widening and Reconstruction Project Between Gateway Drive and Knox Street (Report by Keith Helmuth)

B-7 Consideration of Resolution Approving Agreement and Engagement Letter for Audit Services with Price, Paige & Company, Authorizing the Mayor to Execute the Agreement, Authorizing the Mayor and the City Administrator to Execute the Engagement Letter and Amending the City of Madera 2018/2019 Budget (Report by Tim Przybyla)

B-8 Consideration of a Resolution Accepting Public Utility and Pedestrian Easement Deed, Offered by Tommy Lee Jarrell, in Conjunction with a New Residential Complex Being Constructed at 733 Linden Street, and Authorizing the City Clerk to Execute and Cause to be Recorded, a Certificate of Acceptance (Report by Keith Helmuth)

B-9 Consideration of a Resolution Accepting Public Utility Easement Deed, Offered by Arturo Mejia and Micaela A. Mejia, in Conjunction with a Used Automotive Sales Business Located on the Northwest Corner of Yosemite Avenue and High Street, and Authorizing the City Clerk to Execute and Cause to be Recorded, a Certificate of Acceptance (Report by Keith Helmuth)

B-10 Consideration of a Resolution Approving the Award of Contract for Fire Station No. 58 Fire Station Construction Northwest City Project No. FD-00002 in the Amount of $6,568,364.60 to Davis Moreno Construction, Inc., Authorizing Construction Contingencies of Up to 10% and Construction Inspection and Management of Up to 5%, and Authorizing the Mayor to Execute the Contract on Behalf of the City; and

Consideration of a Resolution Approving a Contract with Moore Twining Associates, Inc., for On-Demand Testing Services not to Exceed $35,000 for Fire Station No. 58 Fire Station Construction Northwest City Project No. FD-00002, and Authorizing the Mayor to Execute the Contract on Behalf of the City (Report by Keith Helmuth)

B-11 Consideration of a Resolution Approving Three Agreements for Purchase and Sale of Real Property with the Property Owners and the Acceptance of Three Easement Deeds for the Olive Avenue Widening and Reconstruction Project Between Gateway Drive and Knox Street, Authorizing the Mayor to Execute the Agreements, Authorizing the City Clerk to Execute the Certificate of Acceptance for the Easement Deeds, Authorizing the City Engineer to Open Escrow Services and Authorizing the City Administrator to Execute all Documents Necessary to Effectuate the Purchase (Report by Keith Helmuth)

B-12 Consideration of a Resolution by the City Council, of the City of Madera, California, Declaring a Shelter Crisis Pursuant to Senate Bill 850 (Chapter 48, Statutes of 2018 and Government Code Section 8698.2) (Report by Ivette Iraheta)

B-13 Consideration of a Resolution Approving California State Department of Health and Human Services Vendor Application for Transportation Services to Central Valley Regional Center and Authorizing the Mayor to Execute the Application and All Related Documents on Behalf of the City (Report by Ivette Iraheta)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Second Reading and Consideration of Adoption of an Ordinance Rezoning Four Parcels Located in Proximity to the Intersection of North C Street and East 5th Street (121, 125, 200 and 204 North C Street) from the PF (Public Facilities) and the C1 (Light Commercial) Zone Districts to the PD-1500 (Planned Development) Zone District (Report by Chris Boyle)

C-2 Consideration of a Resolution Approving Employment Agreements with the Grant Administrator, Director of Community Development, City Engineer, Director of Parks & Community Services, Chief of Police, Chief Building Official, Information Services Manager, Director of Financial Services, and Director of Human Resources (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS

D-1 Request by David Delawder to Discuss 2016 CUP Granted to 2037 W. Cleveland Avenue

E. ADMINISTRATIVE REPORTS

E-1 Informational Report Regarding Current City Water Regulations and Request for Direction to Staff Regarding Modifications (Report by John Scarborough)

E-2 Discussion and Action by Council as to the Use of City Facilities for Candidate or Political Forums (Report by Brent Richardson)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Legal Counsel – Anticipated Litigation. Significant exposure to litigation pursuant to Government Code §54956.9(d)(2) - 2 cases

continued on next page

G-3 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Steve Frazier, Wendy Silva

Employee Organization: Madera Police Officers' Association
Unrepresented Positions: City Manager, City Attorney and City Clerk

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting October 17, 2018

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for October 3, 2018, near the front entrances of City Hall at 4:30 p.m. on September 27, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, October 16, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([2] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 (3] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9; potential initiation of proceedings before the State Water Resources Control Board to resolve rights to the Fresno River

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1f. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District v. Madeline Bautista, et. al., Case No. MCV077665

1g. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District, et. al. v. Cindy Reyna Castro, Case No. MCV078961

1h. CONFERENCE INVOLVING A JOINT POWERS AUTHORITY – Pursuant to California Government Code Section 54956.96; Friant Power Authority
Discussion will concern:
Conference with legal counsel - existing litigation- Pursuant to Paragraph (1) of subdivision (d) of GC Section 54956.9, the Board will meet to discuss: Syblon Reid v. Friant Power Authority, California Superior Court, Kern County Case No. BCV-18-101818.
Name of local agency representative(s) on joint powers agency board: Carl Janzen, Director; Thomas Greci, Member, Advisory Committee

2:00 p.m. **CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE**

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the MID & MID GSA Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (MID GSA)
   - Draft Presentation for Madera Subbasin Technical Workshop
   - Update on MID GSA progress on recommendation for groundwater level monitoring network

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of September 4, 2018 Special Meeting Minutes

2b. Discussion / possible action on approval of warrant list payment through October 16, 2018

2c. Discussion / possible action on monthly financial report for August and September

3. INFORMATION ITEMS

3a. Engineering Department Report

3b. Finance Department Report

3c. Human Resources Department Report

3d. Operations & Maintenance Department Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities

5. NEW BUSINESS

5a. Discussion / possible action on Controller's Employment Agreement and Appointment of Treasurer, Resolution No. 2018-34

5b. Discussion only on approach to address the concerns regarding the Fresno River Operations Protocols and the Fresno River Allocation Model, and competing rights to the waters of the Fresno River

5c. Discussion / possible action on Fresno River operations for the 2019 Riparian Water Year

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

November 20, 2018 – Regular Board Meeting

8. ADJOURNMENT

AGENDA

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
GROUNDWATER SUSTAINABILITY PLAN (GSP) PREPARATION WORKSHOP
MADERA SUBBASIN

Date:	Thursday, October 18, 2018
Time:	2:30pm-4:30pm
Location:	Frank Bergon Senior Center Multi-Purpose Room 238 S D Street Madera, CA

MEETING OBJECTIVES:

- Review SGMA GSP requirements and timeline for the Subbasin
- Review and comment on GSA-specific conditions, needs and potential projects

Part I. 2:30 – 3:00 PM

1. **WELCOME AND INTRODUCTIONS – Malka Kopell, CCP Facilitator**
   Goal: Review meeting objectives and agenda.

2. **SGMA REQUIREMENTS AND GSP DRIVERS – Stephanie Anagnoson, Greg Young, Tom Greci**
   Goal: Discuss SGMA drivers (GSP requirements and timeline), historic demand for the Madera Subbasin, future implications.
   - Public comment and questions taken throughout presentation

Part II. 3:00 – 4:30 PM

3. **GSA-SPECIFIC CONDITIONS – GSA Representatives**
   Goal: Discuss GSA-specific conditions, needs and projects.
   - Public comment and questions taken throughout presentation

4. **DISCUSSION AND PUBLIC INPUT - All**
   Goal: Members of the public have an opportunity to provide comments on what has been presented.

5. **OTHER PUBLIC COMMENT**
   At this time members of the public may comment on any item not appearing on the agenda.

6. **RECAP AND OUTLINE NEXT STEPS**
   Goal: Review topics discussed during workshop. Provide an overview of additional opportunities to discuss and inform GSA decision making on GSP components.

7. **ADJOURN**

As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.

AGENDA

LEY DE GESTIÓN SOSTENIBLE DEL AGUA SUBTERRÁNEA (SGMA)
TALLER PARA LA PREPARACIÓN DEL PLAN DE SOSTENIBILIDAD DEL AGUA SUBTERRÁNEA (GSP) DE LA SUBCUENCA DE MADERA

Date:	Jueves, 18 de octubre de 2018
Time:	2:30pm-4:30pm
Location:	Frank Bergon Senior Center Multi-Purpose Room 238 S D Street Madera, CA

OBJETIVOS DE LA REUNIÓN:

- Revisar el cronograma de actividades relacionadas a la ley de gestión sostenible del agua subterránea (SGMA, por sus siglas en ingles) y los requisitos para el plan de sostenibilidad del agua subterránea (GSP, por sus siglas en ingles)
- Revisar y comentar sobre condiciones, necesidades, y proyectos potenciales específicos al GSA

1ª Parte. 2:30 – 3:00 PM

1. **BIENVENIDOS E INTRODUCCIONES – Malka Kopell, Facilitador de CCP**
   Objetivo: Revisar los objetivos y la agenda de la reunión.

2. **REQUISITOS DE SGMA Y CONDUCTORES DEL GSP – Stephanie Anagnoson, Greg Young, Tom Greci**
   Objetivo: Discutir los conductores de SGMA (los requisitos y el cronograma del GSP), demanda histórica de la subcuenca de Madera, e implicaciones para el futuro.
   - Comentário público y preguntas recibidas a lo largo de la presentación.

2ª Parte. 3:00 – 4:30 PM

3. **CONDICIONES ESPECÍFICAS AL GSA – Representantes del GSA**
   Objetivo: Discutir las condiciones, necesidades, y proyectos específicas al GSA.
   - Comentário público y preguntas recibidas a lo largo de la presentación.

4. **DISCUSIÓN Y COMENTARIO PÚBLICO - Todos**
   Objetivo: Los miembros del público tendrán la oportunidad de hacer comentarios sobre lo que se ha presentado durante el taller.

5. **OTROS COMENTARIOS PÚBLICOS**
   Objetivo: Los miembros del público pueden comentar sobre cualquier otro tema que no aparece en la agenda.

6. **RESUMEN Y PRÓXIMOS PASOS**
   Objetivo: Revisar los temas discutidas durante el taller. Dar una visión general de otras oportunidades para discutir e informar la toma de decisiones por parte del GSA sobre los componentes del GSP.

7. **APLAZAMIENTO DEL TALLER**

Como cortesía a todos los presentes, por favor apague o silencie los teléfonos y bípers.

MAIN GOVERNMENT CENTER
200 W. 4TH STREET
MADERA, CA 93637
www.MaderaCounty.com

MADERA COUNTY

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

SPECIAL MEETING AGENDA
for County of Madera, Madera Subbasin Groundwater Sustainability Agency Advisory Committee
October 24, 2018 6:00 P.M.

Meetings of the Madera Subbasin Advisory Committee shall convene in room 2005, Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL OF MEMBERS**
4. **PRESENTATION ON STATE WATER BOARD'S ROLE IN SGMA – Sam Boland-Brien, State Water Resources Control Board**
5. **SUBBASIN UPDATES, PROJECTS AND MANAGEMENT ACTIONS & CALENDAR – Stephanie Anagnoson, Madera County**
6. **COMMITTEE MEMBER COMMENTS**
7. **ADJOURNMENT**

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING
FRESNO RIVER WORKSHOP

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Special Meeting Date:
Monday, November 5, 2018
10:00 a.m.-12:00 p.m.

Madera County Office of Education
Conference Center Rooms 3 & 4
1105 S. Madera Avenue
Madera, CA 93637

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WELCOME

1. **INFORMATIONAL ITEMS**
   a. Discussion only – presentation of proposals by Fresno River stakeholders to discuss a potential for resolution of the issues raised in the Petition for the Adjudication of Rights to the Fresno River, filed on October 18, 2018.
2. **ADJOURNMENT**

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, November 7, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member Cece Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Sammie Neely, Mount Zion Missionary Baptist

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS Proclamation Promoting Small Business Saturday

INTRODUCTIONS None.

A. WORKSHOP

A-1 City of Madera Groundwater Sustainability Agency Update on the Madera Sub-basin Groundwater Sustainability Plan (Presentation by David Merchen)

B. CONSENT CALENDAR

B-1 Minutes – City & GSA 10/18/17, City 11/01/17 and 11/15/17

B-2 Warrant Disbursement Report 10/09/18 – 10/29/18 (Report by Tim Przybyla)

B-3 Informational Report on Personnel Activity (Report by Wendy Silva)

B-4 Consideration of Resolution Approving Agreement with Akel Engineering Group, Inc., for Hydraulic Modeling Services for the Water Storage Tank, Pump Station, and Transmission Main Project and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-5 Consideration of a Resolution Approving a Lease Agreement and Memorandum of Lease with AT&T Wireless for Antenna Space on the Madera Loy E Cook Water Tower and for an Equipment Pad Location on the Grounds Below the Water Tower and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by Mark Souders)

B-6 Consideration of a Resolution Approving Amendment No. 2 to the Agreement with Stantec Consulting Services, Inc. for Professional Engineering Services for Wastewater Treatment Plant Maintenance Projects and Authorizing the Mayor to Sign the Amendment on Behalf of the City; and

Consideration of a Resolution Amending the City of Madera FY 2018/19 Budget for Professional Engineering Services for Wastewater Treatment Plant Maintenance Projects (Report by John Scarborough)

B-7 Consideration of a Resolution of the City Council of the City of Madera Declaring its Intention to Reimburse itself from the Proceeds of Debt Related to Financing the New Fire Station (Report by Tim Przybyla)

B-8 Consideration of a Resolution of the City Council of the City of Madera Adopting the November 2018 City of Madera Investment Policy (Report by Tim Przybyla)

B-9 Consideration of a Resolution Approving a Memorandum of Understanding Between the City of Madera and the Madera Police Officers' Association and Authorizing the City Administrator to Sign the Memorandum (Report by Wendy Silva)

B-10 Consideration of a Resolution Approving Agreement for Purchase and Sale of Real Property with the Property Owner, Authorizing the Mayor to Execute the Agreement, Acceptance of Easement Deed and Authorizing the City Clerk to Execute the Certificate of Acceptance and to Record the Easement Deed for the Olive Avenue Widening and Reconstruction Project Between Gateway Drive and Knox Street (Report by Keith Helmuth)

B-11 Consideration of a Resolution Approving Lexis Advance Subscription Amendment for Online Research Services with Lexis Nexis and Authorizing the Mayor to Execute the Amendment and any Documents Necessary to Effectuate the Amendment (Report by Brent Richardson)

B-12 Consideration of a Minute Order Approving Designation of Community Development Director as Acting City Manager for Purposes of Execution of Documents and Taking of Actions Routinely Performed by City Manager Pending Appointment of New City Manager (Report by Brent Richardson)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 A Noticed Public Hearing and Consideration of Resolutions Authorizing the Annexation of Property into Community Facilities District 2005-01 (CFD), Levying a Special Tax Associated with the CFD, Calling for and Conducting a Special Election Addressing Annexation into the CFD, Certifying the Results of the Election and Adding Territory to the CFD (Report by Chris Boyle)

C-2 Second Reading and Consideration of Adoption of an Ordinance Amending Subsection B of Section 3-5.08 of Chapter 5 of Title III of the Madera Municipal Code Relating to Speed Limits in Certain Zones (Report by Keith Helmuth)

C-3 A Noticed Public Hearing and Consideration of Adoption of a Resolution of the City Council of the City of Madera Adopting the Madera County Local Hazard Mitigation Plan and Incorporating the Madera County Local Hazard Mitigation Plan by Reference into the Health and Safety Element of the 2009 General Plan (Report by Chris Boyle)

C-4 A Noticed Public Hearing and Consideration of Introduction of an Ordinance Rezoning Approximately 0.69 Acres of Land Located at the Southeast Corner of the Intersection of Linden Street and West Park Drive from the R1 (Low Density Residential) Zone District to the PD 4500 (Planned Development) Zone District (APN: 006-360-016) (Report by Chris Boyle)

C-5 A Noticed Public Hearing and Consideration of Introduction of an Ordinance Prezoning Approximately Twenty Acres Located on the West Side of Stadium Road South of its Intersection with Almond Avenue into the PD 6000 (Planned Development) Zone District (APN: 034-070-011) (Report by Chris Boyle)

C-6 A Noticed Public Hearing and Consideration of Introduction of an Ordinance Prezoning Two Parcels Encompassing Approximately Twenty Acres Located on the West Side of Stadium Road North of its Intersection with Almond Avenue into the PD 6000 (Planned Development) Zone District (APNs: 034-070-067 and 068) (Report by Chris Boyle)

C-7 Public Hearing and Consideration of Resolution Establishing the Formation of Rule 20B Underground Utility District No. 19 in Designated Real Property Located Within and Adjacent to the Olive Avenue Widening Project between Gateway Drive and Knox Street (Report by Keith Helmuth)

C-8 Consideration Of:

1) A Resolution Awarding a 3-Year Agreement with Two Optional One-Year Extensions for City of Madera Transit Services to MV Public Transportation, Inc., for a Total Price not to Exceed $7,257,301; and,

2) A Resolution Approving a Lease Agreement with MV Public Transportation, Inc. for Property at the Intermodal Building, and Authorize the Mayor to Execute the Necessary Documents on Behalf of the City (Report by Ivette Iraheta)

C-9 A. Consideration of a Resolution Amending the Classification Plan to Replace the City Administrator Job Classification with the City Manager Job Classification and Setting the Salary Range for the City Manager

B. Consideration of a Resolution Approving an At Will Employment Agreement with Arnoldo Rodriguez to Serve as City Manager of the City of Madera (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS

D-1 Consideration of a Written Request by the Madera Evening Lions Club Seeking Council Approval to Cover the Cost of Police and Public Works Fees in Conjunction with the Candlelight Christmas Parade (Report by Josiah Arnold)

E. ADMINISTRATIVE REPORTS

There are no items for this section.

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: David Merchen, Andy Medellin, Jose Rodriguez, Donald Holley
Unrepresented Positions: City Attorney and City Clerk

G-3 Conference with Legal Counsel – Anticipated Litigation. Significant exposure to litigation pursuant to Government Code §54956.9(d)(2) - 1 case

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting November 21, 2018

[continued on next page]

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- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for November 7, 2018, near the front entrances of City Hall at 4:30 p.m. on November 1, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

16943 Road 26, Suite 103
Madera, CA

November 14, 2018

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for the GSA Board's October 10, 2018 meeting.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills and other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public

meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Wednesday, December 5, 2018
2:30 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

2:30 p.m. **CALL TO ORDER / ROLL CALL / PLEDGE OF ALLEGIANCE**

APPROVAL OF AGENDA

PUBLIC COMMENT:
The first fifteen minutes of the meeting are reserved for members of the public to address the Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §87105]

1. NEW BUSINESS

1a. Discussion / possible action on MID Withdrawing from and Terminating the Joint Exercise of Powers Agreement Forming Friant North Authority, Resolution No. 2018-35

1b. Discussion / possible action on the 2019 Budget, Resolution No. 2018-36

2. NEXT SCHEDULED BOARD MEETING

Tuesday, December 18, 2018 Board Meeting 1:00 p.m.

3. ADJOURNMENT

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, December 5, 2018
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Jose Rodriguez, District 2
Council Member/Council Member Elect Cece Gallegos, District 1
Council Member William Oliver, District 3
Council Member Derek O. Robinson Sr., District 4
Council Member Charles F. Rigby, District 5
Council Member Donald E. Holley, District 6

Council Member Elect Steve Montes, District 3
Council Member Elect Santos Garcia, District 5

INVOCATION: Rev. Mr. Alan Shearer, St. Joachim Church

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS None.

INTRODUCTIONS Arnoldo Rodriguez, City Manager

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 12/06/17, 12/13/17, 12/20/17, 09/18/18

B-2 A. Warrant Disbursement Report 10/30/18 – 11/12/18
B. Warrant Disbursement Report 11/1/18 – 11/26/18 (Report by Tim Przybyla)

B-3 Water Conservation Report for 10/22/18 – 11/18/18 (Report by John Scarborough)

B-4 Informational Report on Personnel Activity (Report by Wendy Silva)

B-5 Consideration of a Minute Order Accepting the Sunrise Rotary Sports Complex Soccer Field Lighting, City Project No. PK 13-2018, CDBG Project No. B10MC060053-10218020-7030 and Authorizing Recording of the Notice of Completion and Authorizing the Release of Retention (Report by Keith Helmuth)

B-6 Consideration of a Minute Order Accepting the Reclamite Application on Various City Streets, City Project No. R-74 and Authorizing Recording of the Notice of Completion and Authorizing the Release of Retention (Report by Keith Helmuth)

B-7 Consideration of a Minute Order Accepting the Chip Seal Application on Various City Streets, City Project No. R-75 and Authorizing Recording of the Notice of Completion and Authorizing the Release of Retention (Report by Keith Helmuth)

B-8 Informational Report on Procurement of Emergency Services by Madera Pumps, Inc. at City of Madera Well 20 (Report by John Scarborough)

B-9 Consideration of a Resolution of the City Council, of the City of Madera, California, Approving a Subordination Agreement for Irma Morales for a CalHOME Owner-Occupied Residential Rehabilitation Program Loan and Authorizing the City Manager to Sign the Subordination Agreement on Behalf of the City of Madera (Report by Ivette Iraheta)

B-10 Consideration of a Resolution Approving Establishing Budget Amendments to Account for Program Income in the HOME and CalHOME Assistance Programs (Report by Ivette Iraheta)

B-11 Consideration of a Resolution Approving the Final Map for the Melanie Meadows Subdivision Phase I, Approving Subdivision Agreement, Authorizing Staff to Record Final Map and Subdivision Agreement, Accepting Dedication of Lands for Public Use and Authorizing the Mayor to Execute the Agreement on Behalf of the City; and

Consideration of a Resolution Approving Annexation of the Melanie Meadows Subdivision Phase I into Zone of Benefit 21D; Confirming the Diagram and Assessments for City Wide Landscape and Lighting Assessment District Zone of Benefit 21D for Fiscal Year 2019/2020; Authorizing the Mayor to Execute the Covenant on Behalf of the City and

Authorizing the City Clerk to File the Diagram and Assessment with the Madera County Auditor (Report by Keith Helmuth)

B-12 Consideration of a Resolution Approving a Memorandum of Understanding (MOU) Between City and State Center Community College Center District (District) for Madera Community College Center Max Expansion - Fixed Route 3 and Authorizing the Mayor to Execute the MOU on Behalf of the City (Report by Ivette Iraheta)

B-13 Consideration of a Resolution Approving Business Subdivision Agreement for Trench and USS with Pacific Bell Telephone Company dba AT&T California for the Fire Station No. 58 Project (Report by Keith Helmuth)

B-14 Consideration of a Minute Order Acceptance of the Construction of 2017-18 City ST. 3R and ADA Project City Project No. R-65 State Project No. LPPSB1L-5157(112) (Report by Keith Helmuth)

B-15 Consideration of a Resolution Appointing Ramon Lopez-Maciel to the City of Madera Planning Commission (Report by Chris Boyle)

B-16 Consideration of Resolution Approving a Request from the Madera Downtown Association to Utilize Parking District Funds for Crow Abatement Purposes and Authorizing and Approving Amendments to the City of Madera Fiscal Year 2018/2019 Budget (Report by Tim Przybyla)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Second Reading and Consideration of Adoption of an Ordinance Rezoning Approximately 0.69 Acres of Land Located at the Southeast Corner of the Intersection of Linden Street and West Park Drive from the R1 (Low Density Residential) Zone District to the PD 4500 (Planned Development) Zone District (APN: 006-360-016) (Report by Chris Boyle)

C-2 Second Reading and Consideration of Adoption of an Ordinance Prezoning Approximately Twenty Acres Located on the West Side of Stadium Road South of its Intersection with Almond Avenue into the PD 6000 (Planned Development) Zone District (APN: 034-070-011) (Report by Chris Boyle)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

There are no items for this section.

F. COUNCIL REPORTS

G. CLOSED SESSION

There are no items for this section.

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[continued on next page]

COUNCIL REORGANIZATION

1. Consideration of a Resolution Declaring the Results of General Municipal Election Held on November 6, 2018 (Report by Sonia Alvarez)

2. Ceremonial Oath of Office - *Following Oath Outgoing Members Step Down and New Council Members Take Seat at Dais*

   Council Member Elect for District 1 - Cece Gallegos
   Council Member Elect for District 3 - Steve Montes
   Council Member Elect for District 5 - Santos Garcia

3. Consideration of Selection of Mayor Pro Tem (Report by Sonia Alvarez)

4. Presentation to Outgoing Council Members
   Council Member for District 3 – William Oliver
   Council Member for District 5 – Charles Rigby

5. Newly Elected Council Members Opportunity to Speak

ADJOURNMENT – Next regular meeting December 19, 2018

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for December 5, 2018, near the front entrances of City Hall at 4:30 p.m. on November 29, 2018.

Sonia Alvarez

Sonia Alvarez, City Clerk

ROOT CREEK Water District

MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, Vice President
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/secretary
MIKE CUTTONE, Assistant treasurer
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

December 10, 2018 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

(The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

(Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

    a. RCWD GSA Minutes from November 15, 2018

6. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

a. Madera Subbasin Technical Experts Meeting December 5, 2018
b. Update on Groundwater Sustainability Plan Progress

7. ADJOURN

- Items on the Agenda may be taken in any order.
- Action may be taken on any item listed on the Agenda.
- Writings relating to open session Agenda items that are distributed to members of the Board of Directors will be available for inspection at the District office, excluding writings that are not public records or are exempt from disclosure under the California Public Records Acts.
- ACCOMMODATIONS FOR PERSONS WITH DISABILITIES

A person with a qualifying disability under the Americans With Disabilities Act of 1990 may request the District to provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats for the agendas and agenda packets used for any public meetings of the District. Requests for such assistance and for agendas and agenda packets shall be made in person, by telephone, or by written correspondence to the District at (559) 283-8276 or P.O. Box 27950, Fresno, California 93729, at least 48 hours before a District meeting.

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

December 12, 2018

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for the GSA Board's October 10, 2018 and November 14, 2018 meetings.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills and other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public

meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

GRAVELLY FORD WATER DISTRICT

December 17, 2018 AGENDA

Meeting Date:
Monday - December 17, 2018
1:30 p.m.

Schafer Ranch Office
25176 Ave 5 ½
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager at 559-474-1000. Notification in advance of the meeting will enable GFWD to make reasonable arrangements to insure accessibility to this meeting.

2. APPROVAL OF MINUTES: Discussion and possible action of approval of minutes for the regular meeting of November 19, 2018 as emailed.

3. WATER SUPPLY: Report on water supply for 2018 with discussion and possible action.

4. SYSTEM MAINTENANCE: Report on system maintenance and possible action.

5. GSA/GSP (SGMA): Report and update of activities and possible action on GSA/GSP.

6. MADERA REGIONAL WATER MANAGEMENT GROUP: Report on activities and possible action.

7. RECHARGE PONDING BASIN: Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

8. FRIANT NORTH AUTHORITY: Report on current activities and possible action regarding Friant North Authority.

9. ANNEXATION: Update on status of proposed Annexation.

10. FINANCIAL REPORT: Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for December 2018.

11. CORRESPONDENCE & MANAGER'S REPORT:

12. BOARD COMMENTS, FUTURE AGENDA ITEMS:

13. ADJOURNMENT: Next meeting tentatively scheduled for January 21, 2019.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, December 18, 2018
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. **<u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.**

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([4 potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; Petition for the Adjudication of Rights to the Fresno River, before the State Water Resources Control Board

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION –
Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1f. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District v. Madeline Bautista, et. al., Case No. MCV077665

1g. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District, et. al. v. Cindy Reyna Castro, Case No. MCV078961

1h. CONFERENCE INVOLVING A JOINT POWERS AUTHORITY – Pursuant to California Government Code Section 54956.96; Friant Power Authority
Discussion will concern:
Conference with legal counsel - existing litigation- Pursuant to Paragraph (1) of subdivision (d) of GC Section 54956.9, the Board will meet to discuss: Syblon Reid v. Friant Power Authority, California Superior Court, Kern County Case No. BCV-18-101818.
Name of local agency representative(s) on joint powers agency board: Carl Janzen, Director; Thomas Greci, Member, Advisory Committee

1i. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Paragraph (1) of subdivision (b) of Government Code Section 54957
Title: Board Secretary / Executive Assistant

2:00 p.m. **CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE**

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (MID GSA)
    - Gravelly Ford Water District Letter Received December 13, 2018

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. SPECIAL BUSINESS

2a. Discussion / possible action on Board Reorganization Pursuant to Water Code §21376

2b. Discussion / possible action on Madera Irrigation District & Outside Committees Appointees, Resolution No. 2018-37

3. CONSENT AGENDA

3a. Approval of October 16, 2018 Meeting Minutes

3b. Approval of November 5, 2018 Special Meeting Minutes

3c. Approval of December 5, 2018 Special Meeting Minutes

3d. Discussion / possible action on approval of warrant list payment through December 18, 2018

3e. Discussion / possible action on monthly financial report for October and November

4. INFORMATION ITEMS

4a. Engineering Department Report

4b. Finance Department Report

4c. Human Resources Department Report

4d. Operations & Maintenance Department Report

5. GENERAL MANAGER'S REPORT

5a. Update of Activities

- Presentation of the Special District Leadership Foundation District of Distinction Accreditation – **Timed Item 2:30 p.m.**
- Special District Administrator Certificates
- Mid-Pacific Water Users Conference – January 23-25, 2019
- 2019 On-Farm Recharge Program
- Root Creek Water District Deannexation

6. NEW BUSINESS

6a. Presentation by Carollo Engineers, Inc. on Capital Improvement Plan / Asset Management Plan – **Timed Item 3:00 p.m.**

6b. Discussion / possible action on conflict waiver with Wanger Jones Helsley, Resolution No. 2018-38

6c. Discussion / possible action on Termination of Easement, APN 045-042-002, Resolution No. 2018-39

6d. Discussion only on status of Allende Basin Eminent Domain Proceedings, Case No. MCV077665

7. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

8. NEXT SCHEDULED BOARD MEETINGS

January 15, 2019 – Regular Board Meeting

9. ADJOURNMENT

MAIN GOVERNMENT
200 W. 4TH STREET
MADERA, CA
www.MaderaCounty.com

CENTER
93637

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies' Advisory Committee
January 3, 2019
2:00 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in room 4006, Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary.
5. **ADVISORY COMMITTEE RULES OVERVIEW – Mike Linden**
6. **UPDATE ON SUBBASINS & CALENDAR – Stephanie Anagnoson**
7. **ALLOCATION DISCUSSION – Greg Young and Stephanie Anagnoson**
8. **DE MINIMIS DISCUSSION – Greg Young and Stephanie Anagnoson**

9. DIRECTOR'S REPORT – Stephanie Anagnoson

10. COMMITTEE MEMBER COMMENTS

11. ADJOURNMENT

Next Meeting Date: March 7, 2019 at 2 p.m.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS SPECIAL BOARD MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Monday, January 7, 2019
8:30 a.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

CALL TO ORDER / ROLL CALL / APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session

The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. CLOSED SESSION

1a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; Petition for the Adjudication of Rights to the Fresno River, before the State Water Resources Control Board

2. REPORT ON CLOSED SESSION

3. ADJOURNMENT

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

January 9, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for the GSA Board's December 12, 2018 meeting.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills and other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public

meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

ROOT CREEK Water District

MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

January 14, 2018 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

   (The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

   Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

   (Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

   a. RCWD GSA Minutes from November 15, 2018

6. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

   a. Madera Subbasin Joint GSP MOU Cancellation
   b. GSP Development Update – District Engineer

7. ADJOURN

▪ Items on the Agenda may be taken in any order.
▪ Action may be taken on any item listed on the Agenda.
▪ Writings relating to open session Agenda items that are distributed to members of the Board of Directors will be available for inspection at the District office, excluding writings that are not public records or are exempt from disclosure under the California Public Records Acts.
▪ ACCOMMODATIONS FOR PERSONS WITH DISABILITIES
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ROOT CREEK
Water District
MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, Vice President
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/secretary
MIKE CUTTONE, Assistant treasurer
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

SPECIAL MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

November 15, 2018 at 11:30 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

Minutes

1. CALL TO ORDER

a. Director Bruno called the meeting to order at 12:22 p.m.

b. Board Members present: Nick Bruno, Jeff Coulthard, Brian Partridge, Lynn Hoffman, Toni Scarborough, and Danny Hoffman

c. Board Members absent: Amber Mendoza

d. Others present: Brian Ehlers, Provost & Pritchard; Ken Price, Legal Counsel, Baker Manock & Jensen; Julia Berry, General Manager/Secretary; Al Solis, Phil Pierre

2. ADDITIONS TO THE AGENDA

There were no additions to the agenda.

3. PUBLIC COMMENT

There was no public comment.

4. POTENTIAL CONFLICT(S) OF INTEREST

There were no conflicts identified.

5. APPROVAL OF GSA MEETING MINUTES

a. RCWD GSA Minutes from October 8, 2018

Director Coulthard motioned to approve Items 5a, seconded by Director L. Hoffman and passed unanimously.

6. ADJOURN

Director Scarborough made a motion to adjourn. The motion was seconded by Director D. Hoffman and passed unanimously.

The meeting was adjourned at 1:30 pm.

286 W Cromwell Ave
Fresno, CA 93711
PHONE (559) 449-2700 ● FAX (559) 449-2715

GRAVELLY FORD WATER DISTRICT
January 21, 2019 AGENDA

Meeting Date:
Monday - January 21, 2019
1:30 p.m.

Schafer Ranch Office
25176 Ave 5 ½
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager at 559-474-1000. Notification in advance of the meeting will enable GFWD to make reasonable arrangements to insure accessibility to this meeting.

2. APPROVAL OF MINUTES: Discussion and possible action of approval of minutes for the regular meeting of December 17, 2018 as emailed.

3. BOARD REORGANIZATION: Discussion and possible action on District Board Reorganization and Committee and Staff assignments for 2019.

4. WATER SUPPLY: Report on water supply for 2018 with discussion and possible action.

5. SYSTEM MAINTENANCE: Report on system maintenance and possible action.

6. GSA/GSP (SGMA): Report and update of activities and possible action on GSA/GSP.

7. WEBSITE: Report and possible action on contracting for a website.

8. MADERA REGIONAL WATER MANAGEMENT GROUP: Report on activities and possible action.

9. RECHARGE PONDING BASIN: Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

10. ANNEXATION: Update on status of proposed Annexation.

11. FEBRUARY MEETING DATE: Discussion and possible action on change of February Board Meeting date which is currently scheduled on Presidents' Day.

12. FINANCIAL REPORT: a) Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for January 2019.
b) 2018 Year End Financial Summary

13. CORRESPONDENCE & MANAGER'S REPORT:

14 BOARD COMMENTS, FUTURE AGENDA ITEMS:

15. ADJOURNMENT: Next meeting tentatively scheduled for February 18, 2019.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Wednesday, February 6, 2019
2:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

CALL TO ORDER / ROLL CALL / PLEDGE OF ALLEGIANCE

POTENTIAL CONFLICTS OF INTEREST

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §87105]

PUBLIC COMMENT: Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

1. GENERAL MANAGER'S REPORT

1a. Update on Activities

2. NEW BUSINESS

2a. Discussion / possible action on Crop Water Distribution Policy, Resolution No. 2019-01

3. NEXT REGULARLY SCHEDULED BOARD MEETING

Tuesday, February 19, 2019 Board Meeting 1:00 p.m.

4. ADJOURNMENT

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact 559-673-3514, ext. 215. In accordance with Government Code 54957.5(2) (1), copies of the Agenda and any writing in connection with open session items are available for public inspection and are available by contacting (559) 673-3514 ext. 215.

Regular Meeting of the Madera City Council

Special Meeting of the Madera City Council as the Groundwater Sustainability Agency; and

Special Meeting of the Madera City Council as the Successor Agency to the Former Madera Redevelopment Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, February 6, 2019
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Steve Montes, District 3
Council Member Cece Gallegos, District 1
Council Member Jose Rodriguez, District 2
Council Member Derek O. Robinson Sr., District 4
Council Member Santos Garcia, District 5
Council Member Donald E. Holley, District 6

INVOCATION: April Molina, Love Madera

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS Olive Avenue Water Main Repair – Public Works Staff Recognition

Brandon Garcia, Water System Worker I
Joey Tyler, Water System Worker I
Jon Vasquez, Maintenance Worker I
Josh Ruiz, Facilities Maintenance Technician
Juan Montemayor, Maintenance Worker II
Linda Aguilera, Purchasing Assistant
Lynn Hollier, Water System Lead Worker
Martin Mendoza, Water System Worker I
Mike Valdivia, Facilities Maintenance Technician
Oscar Garcia, Water System Worker III
Oscar Solis, Water System Worker III

INTRODUCTIONS None.

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 2/07/18, 2/21/18

B-2 Register of Audited Demands 1/05/19-1/25/19 (Report by Tim Przybyla)

B-3 Water Conservation Report for 12/17/18 – 1/20/19 (Report by John Scarborough)

B-4 Consideration of a Resolution Approving an Agreement with Provost & Pritchard Consulting Group in the Amount of $20,800 for Professional Engineering Services for Water Main Replacement from Gateway Drive to Riverside Drive Under Fresno River and Consultation on Nearby Water Mains and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-5 Consideration of a Resolution Approving a $2,600 Contract with Nichols Consulting for the Preparation and Filing of the State Mandated Cost Claims for the Period from Execution of Contract until June 30, 2019 and Authorizing the Mayor to Sign the Contract on Behalf of the City (Report by Tim Przybyla)

B-6 Consideration of a Minute Order Accepting the E. Yosemite Avenue (SR 145) & Elm Street Traffic Signal Installation, City Project No. TS 17-02, CDBG Project No. B17MC060053 (Rebid) and Authorizing Recording of the Notice of Completion and Authorizing the Release of Retention (Report by Keith Helmuth)

B-7 Informational Report on Personnel Activity (Report by Wendy Silva)

B-8 Consideration of a Resolution Approving First Amendment to Letter of Understanding Dated May 17, 2018 with the Union Pacific Railroad Company for the Purchase of Four Parcels of Real Property and One Easement for the Olive Avenue Reconstruction Project and Authorizing the Mayor to Execute the Amendment, Acceptance of Release and Quitclaim of Easement, Acceptance of Quitclaim Deeds for Five Parcels of Real Property, Authorizing the City Clerk to Certify and Record the Quitclaim Easement and Quitclaim Deeds and Approving Assignment and Assumption Agreement, Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-9 Consideration of a Resolution Approving the Award of Contract for Pedestrian Facilities Around Schools and Commercial Areas, City Project No. R-62, Federal Project No. CML 5157 (108), in the Amount of $183,502.00 to Witbro Inc. dba Seal Rite Paving, Authorizing Construction Contingencies of up to 15%, Construction Inspection and Management Costs of up to 15% and Third Party Testing, Surveying, Biological or Consulting Services of up to 5% as Approved by the City Engineer and Authorizing the Mayor to Execute the Contract on Behalf of the City (Report by Keith Helmuth)

B-10 Informational Report on Procurement of Emergency Services by Madera Pumps, Inc. in the Amount of $23,666.71 at City of Madera Well #20 (Report by John Scarborough)

B-11 Consideration of a Resolution Appointing Felipe Grimaldo Jimenez to the City of Madera Airport Advisory Commission (Report by John Scarborough)

B-12 Consideration of a Resolution Appointing Donald Horal to the Board of Trustees of the Madera County Mosquito and Vector Control District (Report by Sonia Alvarez)

B-13 Consideration of a Resolution Appointing Dennis Smith to the City of Madera Americans with Disabilities Act Advisory Council (Report by Wendy Silva)

B-14 Consideration of a Resolution Approving Agreement with Mark Thomas and Company, Inc. in the Amount of $219,349 for Professional Engineering Design Services for Multi Modal Transportation Plan for the State Route (SR) 145 as Downtown Main Street Project (Trans-09) for the City of Madera, and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-15 Consideration of Adoption of a Resolution Approving Agreement with Beyaz & Patel, Inc. in the Amount of $84,487.81 for Professional Engineering Design Services and Authorizing Optional Services up to $8,448 for the "D" Street Water Tower Evaluation for the City of Madera, and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-16 Consideration of a Resolution Appointing Eva Medina to the Community Development Block Grant Review and Advisory Committee (Report by Ivette Iraheta)

B-17 Consideration of a Resolution Appointing Ryan Cerioni to the City of Madera Planning Commission (Report by Chris Boyle)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Consideration of a Resolution Consenting to Assignment of Real Estate Option Agreement Between the City of Madera and Madera Opportunities for Resident Enrichment and Services, Inc. for the Property at 200 and 204 N. "C" Street to Pacific West Communities; and

Consideration of a Resolution Consenting to Assignment of the Agreement between the Successor Agency to the Former Madera Redevelopment Agency and Madera Opportunities for Resident Enrichment and Services, Inc. for Purchase and Sale of Real Property and Escrow Instructions for the Property at 121 and 125 N. "C" Street to Pacific West Communities (City and Successor Agency – Report by David Merchen)

C-2 Consideration of a Resolution Accepting $45,000 in Funding from the Community Action Partnership of Madera County for a Reroofing Project at Millview Community Center; and

Consideration of a Resolution Amending the FY 2018 – 19 Budget to Recognize and Appropriate Funds to a Specified Account (Report by Mary Anne Seay)

C-3 Public Hearing and Consideration of:

(1) A Resolution Authorizing the Annexation of Territory to Community Facilities District (CFD) 2005-01, and Authorizing the Levy of a Special Tax and Submitting the Levy of Tax to the Qualified Electors.

(2) A Resolution Calling a Special Election and Submitting to the Voters of Annexation No. 5 of the City's CFD 2005-01 Propositions Regarding the Annual Levy of Special Taxes within Annexation No. 5 to Finance Police Protection Services, Fire Protection and Suppression Services, Park Maintenance, and Storm Drainage System Operation and Maintenance within the District, and the Establishment of an Appropriations Limit

Conduction of:

(3) A Special Election of the Qualified Electors of Annexation No. 5 of the City's CFD 2005-01 and Declaration and Certification of the Results Thereof.

Consideration of:

(4) A Resolution Making Certain Findings, Certifying the Results of an Election and Adding the Territory Identified as Annexation No. 5 to CFD 2005-01. (Report by Chris Boyle)

C-4 Public Hearing and Consideration of Introduction of an Ordinance Rezoning Two Parcels Located in Proximity to the Intersection of Barnett Way and Gary Lane from PD-3000 (Planned Development) and PD-4500 (Planned Development) Zone Districts to the PD-1500 (Planned Development) Zone District; and

Consideration of Adoption of a Resolution Amending the General Plan Land Use Map for Two Parcels Located in Proximity to the Intersection of Barnett Way and Gary Lane, Changing the General Plan from the MD (Medium Density) to the HD (High Density) General Plan Land Use Designation (APNs: 012-270-001, 012-270-002) (Report by Chris Boyle)

C-5 Consideration of a Resolution Approving A Change of the Name of the Community Development Block Grant Review and Advisory Committee; and

Request for Direction on the Role for this Committee During the 2019/2020 and Future CDBG Funding Allocation Cycles (Report by Ivette Iraheta)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

E-1 Discussion on Council Travel Budget (Report by Arnoldo Rodriguez)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators Pursuant to Government Code §54957.6

(A) Agency Designated Representatives: Arnoldo Rodriguez

Unrepresented Positions:
Planning Manager, Director of Community Development, Police Chief, Grant Administrator, City Engineer, Information Services Manager, Director of Parks & Community Services, Chief Building Official, Director of Financial Services, Public Works Operations Director and Director of Human Resources

(B) Agency Designated Representatives: Andy Medellin, Jose Rodriguez, Donald Holley

Unrepresented Positions: City Attorney, City Clerk, City Manager

G-3 Conference with Legal Counsel - Anticipated Litigation. Significant exposure to litigation pursuant to Government Code §54956.9(d)(2)- 1 case

G-4 Conference with Legal Counsel – Existing Litigation. Subdivision (d)(1) of Government Code §54956.9

One case: MCA 1803, LLC, et al. v. City of Madera MCV073252

G-5 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting February 20, 2019

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council, Special Meeting of the Madera City Council as the Groundwater Sustainability Agency, and Special Meeting of the Madera City Council as the Successor Agency to the Former Madera Redevelopment Agency for February 6, 2019, near the front entrances of City Hall at 6:00 p.m. on January 31, 2019.

Sonia Alvarez

Sonia Alvarez, City Clerk

AGENDA

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
GROUNDWATER SUSTAINABILITY PLAN (GSP) TECHNICAL WORKSHOP
MADERA AND CHOWCHILLA SUBBASINS

Date:	Thursday, February 7, 2019
Time:	5:30 pm-7:30 pm
Location:	Frank Bergon Senior Center Multi-Purpose Room 238 S D Street Madera, CA

MEETING OBJECTIVES:

- To help participants learn more about the Sustainable Groundwater Management Act's (SGMA's) concept of "undesirable results"
- To encourage and prepare participants to engage in the GSP process – particularly with decision-making bodies (GSAs)
- To allow participants to reflect on and share their own thoughts about undesirable results, talk with others, and get questions answered

5:30 – 6:00 PM

1. **LIGHT DINNER**

6:00 – 7:30 PM

2. **WELCOME AND INTRODUCTIONS– Malka Kopell, California State University**
   Review of meeting objectives and agenda, introduction of presenters

3. **UNDESIRABLE RESULTS PRESENTATION– Maria Herrera, Self-Help Enterprises**
   Presentation on the SGMA concept of "undesirable results" and Q&A

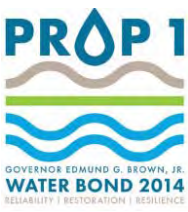
4. **GROUP EXERCISE: WHAT IS IMPORTANT TO YOU? – Amanda Monaco, Leadership Counsel for Justice and Accountability and All**
   Table discussions

5. **HOW YOU CAN ENGAGE IN THE SGMA PROCESS – Stephanie Anagnoson, County of Madera**
   Presentation of upcoming SGMA meeting schedule and Q&A

6. **FINAL THOUGHTS AND HOW TO LEARN MORE – Amanda Monaco and Maria Herrera**
   February 9 workshop

7. **ADJOURN**

For additional information about Madera and Chowchilla Subbasin GSAs, visit http://www.maderacountywater.com/subbasins/



As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.

ROOT CREEK Water District
MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
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MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

February 6, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

   (The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

   Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

   (Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

   a. RCWD GSA Minutes from January 14, 2019

6. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

   a. Public Outreach Meeting: SGMA, 2019 Assessments, 2017-2018 Year Recap held on January 15, 2019
   b. Madera Subbasin Coordination Agreement
   c. GSP Development Update – District Engineer

7. ADJOURN

▪ Items on the Agenda may be taken in any order.
▪ Action may be taken on any item listed on the Agenda.
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MAIN GOVERNMENT
200 W. 4TH STREET
MADERA, CA
www.MaderaCounty.com

CENTER
93637

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies' Advisory Committee
Special Meeting
February 12, 2019
6:00 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in room 3005, Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary.
5. **UPDATE ON SUBBASINS & CALENDAR – Stephanie Anagnoson**
6. **PROJECTS REPORT – Stephanie Anagnoson**
7. **ALLOCATION DISCUSSION & RECOMMENDATION – Greg Young and Stephanie Anagnoson**

8. **INCREMENTAL ALLOCATION DISCUSSION – Greg Young and Stephanie Anagnoson**

9. **CREDITING DISCUSSION – Greg Young and Stephanie Anagnoson**

10. **DIRECTOR'S REPORT – Stephanie Anagnoson**

11. **COMMITTEE MEMBER COMMENTS**

12. **ADJOURNMENT**

Next Meeting Date: March 7, 2019 at 2 p.m.

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

February 13, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for the GSA Board's January 9, 2019 meeting.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills and other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DELIVERY CAPS. The Board may discuss and take action on authorizing a cap on water deliveries per block during the delivery season.

6. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

GRAVELLY FORD WATER DISTRICT
February 18, 2019 AGENDA

Meeting Date:
Monday - February 18, 2019
1:30 p.m.

Schafer Ranch Office
25176 Ave 5 ½
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager at 559-474-1000. Notification in advance of the meeting will enable GFWD to make reasonable arrangements to insure accessibility to this meeting.

2. APPROVAL OF MINUTES: Discussion and possible action of approval of minutes for the regular meeting of January 21, 2019 as emailed.

3. BOARD REORGANIZATION: 2019 District Board Reorganization and Committee and Staff Assignments as approved at January 21, 2019 meeting.

4. WATER SUPPLY: Report on water supply for 2019 with discussion and possible action.

5. SYSTEM MAINTENANCE: Report on system maintenance and possible action. Discussion and possible action on use of Lat 6.2 spill line by Davis Vineyards.

6. GSA/GSP (SGMA): Report and update of activities and possible action on GSA/GSP.

7. WEBSITE: Report and possible action on District website.

8. MADERA REGIONAL WATER MANAGEMENT GROUP: Report on activities and possible action.

9. RECHARGE PONDING BASIN: Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

10. ANNEXATION: Update on status of proposed Annexation.

11. "700" FORMS: Discussion and possible action on e-file for "700" Conflict of Interest Forms.

12. FINANCIAL REPORT: a) Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for February 2019.

13. CORRESPONDENCE & MANAGER'S REPORT:

14 BOARD COMMENTS, FUTURE AGENDA ITEMS:

15. ADJOURNMENT: Next meeting tentatively scheduled for March 18, 2019.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, February 19, 2019
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; Petition for the Adjudication of Rights to the Fresno River, before the State Water Resources Control Board

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1f. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Cindy Reyna Castro v. Madera Irrigation District, et. al., Case No. MCV078961

1g. CONFERENCE INVOLVING A JOINT POWERS AUTHORITY – Pursuant to California Government Code Section 54956.96; Friant Power Authority
Discussion will concern:
Conference with legal counsel - existing litigation- Pursuant to Paragraph (1) of subdivision (d) of GC Section 54956.9, the Board will meet to discuss: Syblon Reid v. Friant Power Authority, California Superior Court, Kern County Case No. BCV-18-101818.
Name of local agency representative(s) on joint powers agency board: Carl Janzen, Director; Thomas Greci, Member, Advisory Committee

2:00 p.m. <u>CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE</u>

<u>REPORT ON CLOSED SESSION</u>

<u>POTENTIAL CONFLICTS OF INTEREST</u>

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (MID GSA)
   - Root Creek Water District Letter Dated February 1, 2019

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of December 18, 2018 Meeting Minutes

2b. Approval of January 7, 2019 Special Meeting Minutes

2c. Discussion / possible action on approval of warrant list payment through February 19, 2019

2d. Discussion / possible action on monthly financial report for December 2018 and January 2019

2e. Discussion / possible action on Vehicle Use Policy Section 212, Resolution No. 2019-02

2f. Discussion / possible action on surplus of equipment, Resolution No. 2019-03

2g. Discussion / possible action on authorization for General Manager to enter into agreements for disposition of surplus property, Resolution No. 2019-04

3. INFORMATION ITEMS

3a. Finance / Human Resources Report
   - Annual Disclosure of Board Members or Employee Reimbursements over $100 pursuant to Government Code Section 53065.5

3b. Operations / Maintenance / Engineering Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
   - On-Farm Recharge Program

- Allende Basin Update
- AB1234 and AB1825 Training
- ACWA Spring Conference, May 7-10, 2019
- 2018 Water Season

5. OLD BUSINESS

5a. Discussion / possible action on Crop Water Distribution Policy, Resolution No. 2019-05

6. NEW BUSINESS

6a. Discussion / possible action on authorization for General Manager to manage water supplies, Resolution No. 2019-06

6b. Discussion / possible action on Annual Table Mountain Water Transfer Agreement, Resolution No. 2019-07

6c. Discussion / possible action on Assignment and Assumption of Farm Road Access Agreement, Resolution No. 2019-08

6d. Discussion / possible action on Second Amendment to Easement for Permanent Access, Resolution No. 2019-09

6e. Discussion / possible action on Madera Irrigation District and Madera Water District Detachment and Water Supply Agreement Memorandum of Understanding, Resolution No. 2019-10

6f. Discussion / possible action on Amendment to Water Transfer between Madera Irrigation District and Pacific Resources, Resolution No. 2019-11

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

March 19, 2019 – Regular Board Meeting

8. ADJOURNMENT

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies'
Advisory Committee
Special Meeting
March 1, 2019
11 a.m., 12:30 p.m. and 1:45 p.m.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

This is a special meeting of the County of Madera Groundwater Sustainability Agencies' to explore different beneficial uses and users of water in the Madera and Chowchilla Subbasin.
The tour begins at Agriland, 23500 Road 24, Chowchilla, CA 93610

11:00 a.m. –11:45 a.m.	AgriLand, hosted by Phil Janzen, Farm Manager, AgriLand Farming Company, Inc. 23500 Road 24 Chowchilla, CA 93610
11:45 a.m. – 12:15 p.m.	Lunch at AgriLand
12:15 p.m. – 12:30 p.m.	Travel to Fairmead Galilee Missionary Baptist Church 22491 Fairmead Blvd. in Fairmead, Chowchilla, CA 93610
12:30 p.m. – 1:30 p.m.	Fairmead hosted by Barbara Nelson and Elaine Moore Galilee Missionary Baptist Church 22491 Fairmead Blvd. in Fairmead, Chowchilla, CA 93610
1:30 p.m. – 1:45 p.m.	Travel to Ellis Recharge Basin Ellis Street and Road 26 intersection, NE corner, Madera, CA 93638
1:45 p.m. – 2:00 p.m.	Ellis Recharge Basin hosted by Dario Dominguez/Stephanie Anagnoson, Madera County Ellis Street and Road 26 intersection, NE corner, Madera, CA 93638

Next Meeting Date: March 7, 2019 at 2 p.m.

Regular Meeting of the Madera City Council
and
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, March 6, 2019
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Steve Montes, District 3
Council Member Cece Gallegos, District 1
Council Member Jose Rodriguez, District 2
Council Member Derek O. Robinson Sr., District 4
Council Member Santos Garcia, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Tim Echevarria, New Harvest Christian Fellowship

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS Presentation on the Big Brothers Big Sisters Program and Services in Madera (Diane Phakonekham, Executive Director)

INTRODUCTIONS None.

A. WORKSHOP

A-1 League of California Cities Overview (Raj Rakkar, Regional Public Affairs Manager)

B. CONSENT CALENDAR

B-1 Minutes – 03/07/18, 01/02/19

B-2 Register of Audited Demands 2/12/19 – 2/22/19 (Report by Tim Przybyla)

B-3 Water Conservation Report for 1/21/19 – 2/17/19 (Report by John Scarborough)

B-4 Informational Report on Personnel Activity (Report by Wendy Silva)

B-5 Consideration of a Minute Order Rejecting a Claim filed by Robert Wilson (Report by Wendy Silva)

B-6 Consideration of a Resolution Appointing Mr. Steve Salter as a Member of the City of Madera Transit Advisory Board Representing District 4 (Council Member Derek Robinson) (Report by Ivette Iraheta)

B-7 Consideration of a Resolution Approving a Host Agency Agreement between the Senior, Employment and Redevelopment (SER) Program and the City of Madera for Senior Employment Services, Authorizing the Mayor to Execute the Agreement on Behalf of the City, and Authorizing Impacted Department Directors to Execute Individual Worksite Agreements (Report by Mary Anne Seay)

B-8 Consideration of a Resolution Approving an Agreement with the Kings View Skills4Success Program to Provide Paid Work Experience for Madera Youth, Authorizing the Mayor to Execute the Agreement on Behalf of the City, and Authorizing Impacted Department Directors to Execute Individual Worksite Agreements (Report by Mary Anne Seay)

B-9 Consideration of a Resolution Approving the Madera County Arts Authority First Amended Joint Powers Agreement and Authorizing the Mayor to Execute the Agreement (Report by David Merchen)

[Continued on next page.]

B-10 Consideration of a Resolution Approving Annexation of Lots 3-6 of Sierra Vista Homes Phase II Subdivision into Zone of Benefit 44; Confirming the Diagram and Assessment for City Wide Landscape and Lighting Assessment District Zone of Benefit 44 for Fiscal Year 2019/2020; Authorizing the Mayor to Execute the Covenant on Behalf of the City and Authorizing the City Clerk to File the Diagram and Assessment with the Madera County Auditor; and

Consideration of a Resolution Approving Annexation of Cloeters Parcel Map 18-P-04 into Zone of Benefit 4; Confirming the Diagram and Assessment for City Wide Landscape and Lighting Assessment District Zone of Benefit 4 for Fiscal Year 2019/2020; Authorizing the Mayor to Execute the Covenant on Behalf of the City and Authorizing the City Clerk to File the Diagram and Assessment with the Madera County Auditor (Report by Keith Helmuth)

B-11 Consideration of a Resolution Approving an Agreement with Pacific Gas and Electric Company for a Rule 21 Detail Study for Solar Array Interconnection at the City of Madera, Madera Municipal Airport and Authorizing the Mayor to Sign the Agreement on Behalf of the City (Report by John Scarborough)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 A Noticed Public Hearing and Consideration of Introduction of an Ordinance Prezoning Approximately 20 acres of Property Located South and West of the Intersection of Ellis Street and North D Street into the PD-6000 (Planned Development) Zone District (Report by Chris Boyle)

C-2 Consideration of a Resolution Approving Employment Agreements with the Grant Administrator, Director of Community Development, City Engineer, Director of Parks & Community Services, Chief of Police, Chief Building Official, Information Services Manager, Director of Financial Services, and Director of Human Resources; and

Consideration of a Resolution Setting the Assigned Salary Ranges for the Positions of Director of Community Development and City Engineer (Report by Wendy Silva)

C-3 Consideration of a Resolution Amending the City Manager's Employment Agreement and Authorizing the Mayor to Execute the Agreement (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS

D-1 Consideration of a Written Request by the Madera Unified School District Seeking Council Approval to Cover the Cost of Permit, Police and Public Works Fees in Conjunction with the Every 15 Minutes Campaign (Isaac Lopez, Director of Student Activities; Report by Josiah Arnold)

E. ADMINISTRATIVE REPORTS

E-1 Request for Direction on Filling the City Clerk Position (Report by Wendy Silva)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators Pursuant to Government Code §54957.6

Agency Designated Representatives: Arnoldo Rodriguez, Wendy Silva

Unrepresented Positions: City Clerk, City Attorney

G-3

Property:	2 Parcels
City of Madera	APNs: 009-331-010 and 011
Agency Negotiators:	Arnoldo Rodriguez, David Merchen
Negotiating Party:	TranPak, Inc
Under Negotiations:	Price and Terms

G-4 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting March 20, 2019

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above joint meeting notice and agenda for the Regular Meeting of the Madera City Council and the Special Meeting of the Madera City Council as the Groundwater Sustainability Agency for March 6, 2019, near the front entrances of City Hall at 6:00 p.m. on February 28, 2019.

Sonia Alvarez

Sonia Alvarez, City Clerk

MAIN GOVERNMENT
200 W. 4TH STREET
MADERA, CA
www.MaderaCounty.com

CENTER
93637

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies'
Advisory Committee Meeting
March 7, 2019
2:00 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in room 3005, Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary**.**
5. **RESIDENTIAL WELL LOANS AND GRANTS – Tami McVay, Self-Help Enterprises**
6. **UPDATE ON SUBBASINS & CALENDAR – Stephanie Anagnoson**
7. **INCREMENTAL ALLOCATION DISCUSSION & RECOMMENDATION – Greg Young and Stephanie Anagnoson**

8. **CREDITING DISCUSSION & RECOMMENDATION – Greg Young and Stephanie Anagnoson**

9. **DIRECTOR'S REPORT – Stephanie Anagnoson**

10. **COMMITTEE MEMBER COMMENTS**

11. **ADJOURNMENT**

Next Meeting Date: May 2, 2019 at 2 p.m.

ROOT CREEK Water District

MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

March 11, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

   (The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

   Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

   (Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

   a. RCWD GSA Minutes from February 11, 2019

6. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

   a. Madera Subbasin Coordination Agreement
   b. GSP Development Update – District Engineer

7. ADJOURN

▪ Items on the Agenda may be taken in any order.
▪ Action may be taken on any item listed on the Agenda.
▪ Writings relating to open session Agenda items that are distributed to members of the Board of Directors will be available for inspection at the District office, excluding writings that are not public records or are exempt from disclosure under the California Public Records Acts.
▪ ACCOMMODATIONS FOR PERSONS WITH DISABILITIES
A person with a qualifying disability under the Americans With Disabilities Act of 1990 may request the District to provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats for the agendas and agenda packets used for any public meetings of the District. Requests for such assistance and for agendas and agenda packets shall be made in person, by telephone, or by written correspondence to the District at (559) 970-8778 or P.O. Box 27950, Fresno, California 93729, at least 48 hours before a District meeting.

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

March 13, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President of the Board when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for February 13, 2019 meeting of the Board.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills to be paid by the GSA and/or ratify prior payment of bills. The Board may also review, discuss and possibly approve other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

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GRAVELLY FORD WATER DISTRICT
March 18, 2019 AGENDA

Meeting Date:
Monday - March 18, 2019
1:30 p.m.

Schafer Ranch Office
25176 Ave 5 ½
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager at 559-474-1000. Notification in advance of the meeting will enable GFWD to make reasonable arrangements to insure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Gravelly Ford Water District Office, located at 18811 Rd 27, Madera, California 93638.

2. APPROVAL OF MINUTES: Discussion and possible action of approval of minutes for the regular meeting of February 18, 2019 as emailed.

3. POTENTIAL CONFLICTS OF INTEREST: Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter [FPPC §86105]

4. WATER SUPPLY: Report on water supply for 2019 with discussion and possible action.

5. SYSTEM MAINTENANCE: Report on system maintenance and possible action. Discussion and possible action on use of Lat 6.2 spill line by Davis Vineyards.

6. GSA/GSP (SGMA): Report and update of activities and possible action on GSA/GSP.

7. WEBSITE: Report and possible action on District website.

8. MADERA REGIONAL WATER MANAGEMENT GROUP: Report on activities and possible action.

9. RECHARGE PONDING BASIN: Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

10. ANNEXATION: Update on status of proposed Annexation.

11. "700" FORMS: Discussion and possible action on e-file for "700" Conflict of Interest Forms.

12. ELECTION OF DIRECTORS: Discussion and possible action on adoption of Resolution No. 2019-01 to conduct an election to fill vacancies on the Board of Directors.

13. FINANCIAL REPORT: a) Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for March 2019.

14. CORRESPONDENCE & MANAGER'S REPORT:

15 BOARD COMMENTS, FUTURE AGENDA ITEMS:

16. ADJOURNMENT: Next meeting tentatively scheduled for April 15, 2019.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, March 19, 2019
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. <u>CLOSED SESSION</u> Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([2] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; Petition for the Adjudication of Rights to the Fresno River, before the State Water Resources Control Board

1d. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION –
Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; NRDC v. Murillo, et.al. U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-1658-LKK-GGH.

1e. CONFERENCE WITH REAL PROPERTY NEGOTIATORS – Pursuant to Government Code Section 54954.5
Property: 035-231-002
Agency Negotiator: Thomas Greci
Negotiating Parties: Faustino Chavira, Jr.
Under Negotiation: Price

1f. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1g. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Cindy Reyna Castro v. Madera Irrigation District, et. al., Case No. MCV078961

1h. CONFERENCE INVOLVING A JOINT POWERS AUTHORITY – Pursuant to California Government Code Section 54956.96; Friant Power Authority
Discussion will concern:
Conference with legal counsel - existing litigation- Pursuant to Paragraph (1) of subdivision (d) of GC Section 54956.9, the Board will meet to discuss: Syblon Reid v. Friant Power Authority, California Superior Court, Kern County Case No. BCV-18-101818.
Name of local agency representative(s) on joint powers agency board: Carl Janzen, Director; Thomas Greci, Member, Advisory Committee

1i. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Paragraph (1) of subdivision (b) of Government Code Section 54957
Title: General Manager

2:00 p.m. **CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE**

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session
The first fifteen minutes of the meeting are reserved for members of the public to address the Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (MID GSA)
b. Discussion only on Groundwater Sustainability Plan Projects for MID GSA

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of February 6, 2019 Special Meeting Minutes

2b. Approval of February 19, 2019 Meeting Minutes

2c. Discussion / possible action on approval of warrant list payment through March 19, 2019

2d. Discussion / possible action on monthly financial report for February 2019

3. INFORMATION ITEMS

3a. Finance / Human Resources Report

3b. Operations / Maintenance / Engineering Report
- Presentation on the Lateral 24.2-17.0 Pipeline Project

4. GENERAL MANAGER'S REPORT

4a. Update of Activities
- Friant Water Authority Annual Meeting, April 10, 2019
- On-Farm Recharge Workshop Recap
- Water Supply

5. OLD BUSINESS

5a. Discussion / possible action on Crop Water Distribution Policy, Resolution No. 2019-12

6. NEW BUSINESS

6a. Discussion / possible action on Restated 2019 Agreement for the Acquisition of Water by the United States, San Luis & Delta-Mendota Water Authority, and Madera Irrigation District from the San Joaquin River Exchange Contractors Water Authority 2019-2023, Resolution No. 2019-13

6b. Discussion / possible direction on response to response to comments on Gunner Ranch West Groundwater Plan

7. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

8. NEXT SCHEDULED BOARD MEETINGS

April 16, 2019 – Regular Board Meeting

9. ADJOURNMENT

AGENDA

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
MADERA SUBBASIN COORDINATION COMMITTEE MEETING

Date: Thursday, March 21, 2019

Time: 3:00 p.m.

Location: Frank Bergon Senior Center
238 South D Street
Madera, CA 93637

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1. **WELCOME AND INTRODUCTIONS – Malka Kopell, CCP Facilitator**
   Goal: Review meeting agenda

2. **APPOINTMENT OF CHAIR AND VICE CHAIR**
   Goal: Appoint a Chair and Vice Chair as specified in the Madera Subbasin Coordination Committee Charter

3. **GSA / GSP OVERVIEW**
   Goal: Understand the existing GSA and GSP structure

4. **PRESENTATION FROM STATE WATER RESOURCES CONTROL BOARD**
   Goal: Present the importance of coordination under SGMA and the potential for SWRCB enforcement

5. **GROUNDWATER SUSTAINABILITY PLAN GSA PROJECTS**
   Goal: Discuss GSA-specific projects that will be included in the groundwater model and GSP

6. **PRESENTATION BY NICK WATTERSON ON GROUNDWATER MODELING**
   Goal: Understand Madera Subbasin Model as a decision tool

7. **JOINT MADERA SUBBASIN GSP TIMELINE AND SCHEDULE**
   Goal: Discuss timing and methods of Chapter releases and information to the public

8. **DISCUSSION AND PUBLIC INPUT**
   Goal: Members of the public have an opportunity to provide comments on what has been presented.

9. **OTHER PUBLIC COMMENT**
   At this time members of the public may comment on any item not appearing on the agenda.

10. RECAP AND OUTLINE NEXT STEPS

Goal: Review topics discussed during workshop. Provide an overview of additional opportunities to discuss and inform GSA decision making on GSP components.

11. ADJOURN

As a courtesy to those in attendance, please turn off or place in alert mode all cell phones.

REGULAR MEETING OF THE MADERA CITY COUNCIL

SPECIAL MEETING OF THE MADERA CITY COUNCIL AS THE GROUNDWATER SUSTAINABILITY AGENCY; AND

SPECIAL MEETING OF THE MADERA PUBLIC FINANCING AUTHORITY

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, April 3, 2019
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Steve Montes, District 3
Council Member Cece Gallegos, District 1
Council Member Jose Rodriguez, District 2
Council Member Derek O. Robinson Sr., District 4
Council Member Santos Garcia, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Joyce Lane of Glory of Zion

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS

1. Recognition of the Madera South High School Soccer Team
2. Presentation on Partnership with Madera District Fair (Tom Mitchell, CEO)
3. Oath of Office - City-Wide Madera Youth Commission (Katrina Ruiz)

INTRODUCTIONS: None.

A. WORKSHOP: None.

B. CONSENT CALENDAR

B-1 Minutes – No Minutes for Consideration

B-2 Warrant Disbursement Report (Report by Tim Przybyla)

B-3 Water Conservation Report for 02/18/19 – 03/17/19 (Report by John Scarborough)

B-4 Informational Report on Personnel Activity (Report by Wendy Silva)

B-5 Consideration of Resolution Recognizing the Importance of the 2020 U.S. Census and Helping to Ensure a Complete, Fair, and Accurate Count of All Californians (Report by Christopher Boyle)

B-6 Consideration of a Minute Order Authorizing the Mayor to Execute the Partial Proof of Loss for Reimbursement for Estimated Fire Repairs Totaling $178,224.85 to 5 East Yosemite (Report by Wendy Silva)

B-7 Consideration of a Resolution Authorizing Submittal of Application(s) for CalRecycle Local Government Waste Tire Amnesty Grants for a Period of Five (5) Years (Report by Brian Esteves)

B-8 Consideration of a Resolution of the Governing Board of the Madera Public Financing Authority (MPFA) Establishing Regular Meeting Dates (Report by Tim Przybyla)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Public Hearing to Consider the Block Grant Commission's Community Development Block Grant Recommendations for the 2019/2020 Action Plan and Request for Council to Approve the Allocations (Report by Ivette Iraheta)

C-2 Consideration of a Resolution Approving Employment Agreements with the Grant Administrator, City Engineer, Chief of Police, Chief Building Official, Information Services Manager, Director of Financial Services, and Director of Human Resources; and

Consideration of a Resolution Setting the Assigned Salary Range for the Position of City Engineer (Report by Wendy Silva)

C-3 Consideration of a Resolution Amending the City Manager's Employment Agreement (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS: None.

E. ADMINISTRATIVE REPORTS

E-1 Consideration of a Minute Order Approving the Madera County Economic Development Commission 2019/2020 Annual Basic Service Level Budget (Report by Bobby Kahn)

E-2 Mid-Year Operational Budget Report and Consideration of a Resolution Authorizing and Approving Amendments to the City's Fiscal Year (FY) 2018/2019 (18/19) Budget (Report by Tim Przybyla)

E-3 Discussion and Direction from the City Council as to the Type of Sale and Term of the Proposed Lease Revenue Bonds to Finance the Fire Station Project (Report by Tim Przybyla)

F. COUNCIL REPORTS

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators pursuant to Government Code §54957.6

Agency Designated Representatives: Arnoldo Rodriguez & Wendy Silva

Employee Organizations: General Bargaining Unit
Madera Police Officers' Association
Mid-Management Employee Group
Law Enforcement Mid-Management Group

G-3 Conference with Legal Counsel - Existing Litigation. Subdivision (d)(1) of Government Code §54956.9

One case: MCA 1803, LLC, et al. v. City of Madera MCV073252

G-4:

Property:	2 Parcels
City of Madera	APNs: 009-331-010 and 011 (Freedom Industrial Park)
Agency Negotiator(s):	Arnoldo Rodriguez
Negotiating Party:	TranPak, Inc
Under Negotiations:	Price and Terms

G-5 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting April 17, 2019

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Zelda Leon, Deputy City Clerk for the City of Madera, declare under penalty of perjury that I posted the above agenda for the regular meeting of the Madera City Council for April 3, 2019, near the front entrances of City Hall at 6:20 p.m. on March 28, 2019.

Zelda Leon

Zelda Leon, Deputy City Clerk

ROOT CREEK Water District

MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

April 8, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

   (The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

   Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

   (Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

   a. RCWD GSA Minutes from March 11, 2019

6. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

   a. GSP Development Update – District Engineer
   b. SGMA Update – General Manager

7. ADJOURN

▪ Items on the Agenda may be taken in any order.
▪ Action may be taken on any item listed on the Agenda.
▪ Writings relating to open session Agenda items that are distributed to members of the Board of Directors will be available for inspection at the District office, excluding writings that are not public records or are exempt from disclosure under the California Public Records Acts.
▪ ACCOMMODATIONS FOR PERSONS WITH DISABILITIES
A person with a qualifying disability under the Americans With Disabilities Act of 1990 may request the District to provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats for the agendas and agenda packets used for any public meetings of the District. Requests for such assistance and for agendas and agenda packets shall be made in person, by telephone, or by written correspondence to the District at (559) 970-8778 or P.O. Box 27950, Fresno, California 93729, at least 48 hours before a District meeting.

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

April 10, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President of the Board when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for March 13, 2019 meeting of the Board.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills to be paid by the GSA and/or ratify prior payment of bills. The Board may also review, discuss and possibly approve other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies'
Advisory Committee
April 12, 2019
2:00 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in the Board Chambers at Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL**

4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary.

5. **UPDATE ON SUBBASINS & CALENDAR – Stephanie Anagnoson**

6. **ALLOCATION OF EXISTING STORED GROUNDWATER DISCUSSION AND RECOMMENDATION– Greg Young and Stephanie Anagnoson**

7. **PROJECT CREDITING DISCUSSION AND RECOMMENDATION – Greg Young and Stephanie Anagnoson**

8. DIRECTOR'S REPORT – Stephanie Anagnoson

9. COMMITTEE MEMBER COMMENTS

10. ADJOURNMENT

Next Meeting Date: May 9, 2019 at 2 p.m.

GRAVELLY FORD WATER DISTRICT
April 15, 2019 AGENDA

Meeting Date:
Monday - April 15, 2019
1:30 p.m.

Schafer Ranch Office
25176 Ave 5 ½
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

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2. APPROVAL OF MINUTES: Discussion and possible action of approval of minutes for the regular meeting of March 18, 2019 as emailed.

3. POTENTIAL CONFLICTS OF INTEREST: Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter [FPPC §86105]

4. WATER SUPPLY: Report on water supply for 2019 with discussion and possible action.

5. SYSTEM MAINTENANCE: Report on system maintenance and possible action.

6. GSA/GSP (SGMA): Report and update of activities and possible action on GSA/GSP.

7. WEBSITE: Report and possible action on District website.

8. MADERA REGIONAL WATER MANAGEMENT GROUP: Report on activities and possible action.

9. RECHARGE PONDING BASIN: Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

10. ANNEXATION: Update on status of proposed Annexation.

11. "700" FORMS: Update on filing of "700" Conflict of Interest Forms.

12. MEETING LOCATION: Discussion and possible action on a change in the Board Meeting location to one with a larger seating capacity.

13. FINANCIAL REPORT: a) Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for April 2019.

14. CORRESPONDENCE & MANAGER'S REPORT:

15 BOARD COMMENTS, FUTURE AGENDA ITEMS:

16. ADJOURNMENT: Next meeting tentatively scheduled for May 20, 2019.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, April 16, 2019
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER**

NO ITEMS FOR CLOSED SESSION

2:00 p.m. **CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE**

APPROVAL OF AGENDA

POTENTIAL CONFLICTS OF INTEREST

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session

The first fifteen minutes of the meeting are reserved for members of the public to address the Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (MID GSA)

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY AND RECONVENE AS MID BOARD OF DIRECTORS

1. CONSENT AGENDA

1a. Approval of March 19, 2019 Meeting Minutes

1b. Discussion / possible action on approval of warrant list payments through April 16, 2019

1c. Discussion / possible action on monthly financial report for March 2019

1d. Discussion / possible action on modifications to District Personnel Policies, Resolution No. 2019-14

- District Policy Section 402 Dental Insurance
- District Policy Section 403 Vision Insurance

2. INFORMATION ITEMS

2a. Finance / Human Resources Report

2b. Operations / Maintenance / Engineering Report

3. GENERAL MANAGER'S REPORT

3a. Update of Activities

- Water Supply

4. OLD BUSINESS

4a. Discussion / possible action on Crop Water Distribution Policy, Resolution No. 2019-15

5. NEW BUSINESS

5a. Discussion / possible action on acceptance of Madera Irrigation District Audited Financial Statements 2018, Resolution No. 2019-16 [**Timed Item 2:30 p.m.]**

5b. Discussion / possible action on setting the dates for the Board of Equalization

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETINGS

May 21, 2019 – Regular Board Meeting

8. ADJOURNMENT

AGENDA

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
GROUNDWATER SUSTAINABILITY PLAN (GSP) TECHNICAL WORKSHOP
MADERA SUBBASIN

Date:	Thursday, April 25, 2019
Time:	3:30 - 6:00 pm
Location:	Frank Bergon Senior Center Multi-Purpose Room 238 S D Street Madera, CA

MEETING OBJECTIVES:

- Discuss example minimum thresholds and measurable objectives

(NOTE: at each agenda item there will be an opportunity for members of the public to ask questions.)

1. **WELCOME, MEETING OBJECTIVES, INTRODUCTIONS, GENERAL UPDATES – Stephanie Anagnoson, County of Madera, and Julia Van Horn, California State University, Sacramento**

2. **GROUNDWATER MODEL CALIBRATION – Pete Leffler and Nick Watterson, Luhdorff & Scalmanini**

3. **PROJECTED FUTURE HYDROLOGY (2019 – 2090) – Bryan Thoreson, Davids Engineering**

4. **PROJECTS – Bryan Thoreson, Davids Engineering**

5. **GROUNDWATER MODEL RESULTS – Pete Leffler and Nick Watterson, Luhdorff & Scalmanini**

6. **MINIMUM THRESHOLDS AND MEASURABLE OBJECTIVES – Pete Leffler and Nick Watterson, Luhdorff & Scalmanini**

7. **NEXT STEPS, ADDITIONAL QUESTIONS AND DISCUSSION – All**

For additional information about Madera and Chowchilla Subbasin GSAs, visit http://www.maderacountywater.com/subbasins/

As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.

Regular Meeting of the Madera City Council;
Regular Meeting of the Madera Public Financing Authority;
Special Meeting of the Madera City Council as the Groundwater Sustainability Agency

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday, May 1, 2019
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Steve Montes, District 3
Council Member Cece Gallegos, District 1
Council Member Jose Rodriguez, District 2
Council Member Derek O. Robinson Sr., District 4
Council Member Santos Garcia, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Charles Fryer, Hull Avenue Church of Christ

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS

1. Proclamation Recognizing Week of Maternal Mental Health
2. Proclamation Recognizing CASA (Court Appointed Special Advocates)
3. Mid Valley Disposal Presentation Regarding 3rd and 4th Quarter Recycling Updates
4. Downtown Crow Abatement Program Update

INTRODUCTIONS: None.

A. WORKSHOP

No items for this section.

B. CONSENT CALENDAR

B-1 Minutes – 04/04/2018

B-2 Warrant Disbursement Report (Report by Tim Przybyla)

B-3 Informational Report on Personnel Activity (Report by Wendy Silva)

B-4 Consideration of a Resolution Approving the Award of Contract for Sewer Main Installation at Various Locations, City Project No. S 16-02, in the Amount of $634,240 to Phase 1 Construction, and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-5 1) Consideration of a Resolution Approving the Final Map for the Riverwalk Subdivision, Tract No. 2016-03), Approving the Subdivision Agreement, Authorizing Staff to Record the Final Map and Subdivision Agreement, Accepting Dedication of Lands for Public Use and Authorizing the Mayor to Execute the Agreement on Behalf of the City; and

2) Consideration of a Resolution Approving Annexation of the Riverwalk Subdivision (Tract No. 2016-03) Into Zone of Benefit 51; Confirming the Diagram and Assessments for City Wide Landscape and Lighting Assessment District Zone of Benefit 51 for Fiscal Year (FY) 2019/2020; and Authorizing the Mayor to Execute the Covenant on Behalf of the City and Authorizing the City Clerk to File the Diagram and Assessment with the Madera County Auditor (Report by Keith Helmuth)

B-6 Consideration of a Resolution Adopting the City of Madera Project List for Fiscal Year 2019/20 Funded by the Senate Bill (SB-1) Road Maintenance and Rehabilitation Account (RMRA) – Local Streets and Roads Funding Program (Report by Keith Helmuth)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Second Public Hearing to Consider the Block Grant Commission's Community Development Block Grant Recommendations for Funding Allocations Under the

2019/2020 Action Plan and Request for City Council (Council) to Approve the Allocations (Report by Ivette Iraheta)

C-2 Public Hearing and Consideration of Introduction of an Ordinance Amending Chapter 7 of Title V and Repealing in its Entirety Chapter 5 of Title VII of the Madera Municipal Code in Order to Update Existing Regulations Associated with Smoking, Including the Prohibition of Smoking in City Park Facilities (Report by Chris Boyle)

C-3 Public Hearing and Consideration of Introduction of an Ordinance Rezoning Approximately 25 Acres Located at the Northwest Corner of the Intersection of Sunrise Avenue and Tozer Street from the R1 (Low Density) Zone District to the PD-4500 (Planned Development) Zone District (Report by Chris Boyle)

D. WRITTEN COMMUNICATIONS

No items for this section.

E. ADMINISTRATIVE REPORTS

E-1 Presentation of Technical Memorandum 1 Demand Analysis, Tank Configuration, Material Evaluation, Pipeline Routing and Budgetary Estimate for the Proposed Northeast Water Storage Tank, Pump Station and Transmission Mains (Keith Helmuth)

F. COUNCIL REPORTS

F-1 Madera County Arts Authority Update and Contribution of Startup Costs (Council Member Gallegos)

G. CLOSED SESSION

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators pursuant to Government Code §54957.6
Agency Designated Representatives: Arnoldo Rodriguez, Wendy Silva, & Che Johnson

Employee Organizations:
General Bargaining Unit
Madera Police Officers' Association
Mid-Management Employee Group
Law Enforcement Mid-Management Group

G-3 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting May 15, 2019

- Please silence or turn off cell phones and electronic devices while the meeting is in session.

- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.

- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.

- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.

- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.

- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Claudia Mendoza, Interim City Clerk for the City of Madera, declare under penalty of perjury that I posted the above agenda for the regular meeting of the Madera City Council for May 1, 2019, near the front entrances of City Hall at 6:00 p.m. on April 25, 2019.

Claudia Mendoza
_____

Claudia Mendoza, Interim City Clerk

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

May 8, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President of the Board when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes for April 10, 2019 meeting of the Board.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills to be paid by the GSA and/or ratify prior payment of bills. The Board may also review, discuss and possibly approve other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. RESPONSE LETTER. The Board may review, discuss and possibly approve a response letter to send to Root Creek Water District and Gravelly-Ford Water District.

6. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

ROOT CREEK Water District

MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

May 13, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

   (The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

   Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

   (Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

   a. RCWD GSA Minutes from April 8, 2019

6. **CORRESPONDENCE**

   (Members of the Board or Staff may provide comment on any timely matter related to the District that is not included on the agenda.)

7. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

a. GSP Development Update – District Engineer
b. SGMA Update – General Manager
    i. April 25, 2019 Communication from Root Creek Water District and new Stone Water District to GSAs in the Madera Subbasin
    ii. April 25, 2019 Madera Subbasin Public Technical Meeting

8. ADJOURN

▪ Items on the Agenda may be taken in any order.
▪ Action may be taken on any item listed on the Agenda.
▪ Writings relating to open session Agenda items that are distributed to members of the Board of Directors will be available for inspection at the District office, excluding writings that are not public records or are exempt from disclosure under the California Public Records Acts.
▪ ACCOMMODATIONS FOR PERSONS WITH DISABILITIES
A person with a qualifying disability under the Americans With Disabilities Act of 1990 may request the District to provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats for the agendas and agenda packets used for any public meetings of the District. Requests for such assistance and for agendas and agenda packets shall be made in person, by telephone, or by written correspondence to the District at (559) 970-8778 or P.O. Box 27950, Fresno, California 93729, at least 48 hours before a District meeting.

ROOT CREEK Water District
MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

April 8, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

Minutes

1. CALL TO ORDER

a. President Bruno called the meeting to order at 11:55 a.m.

b. Board Members present: Nick Bruno, Jeff Coulthard, Brian Partridge, Lynn Hoffman, Amber Mendoza, Toni Scarborough and Dan Hoffman

c. Board Members absent: none

d. Others present: Brian Ehlers, Provost & Pritchard; Lauren Layne, Legal Counsel, Baker Manock & Jensen; Julia Berry, General Manager/Secretary; Al Solis, Don Wright

2. ADDITIONS TO THE AGENDA

There were no additions to the agenda.

3. PUBLIC COMMENT

There was no public comment.

4. POTENTIAL CONFLICT(S) OF INTEREST

There were no conflicts identified.

5. APPROVAL OF GSA MEETING MINUTES

a. RCWD GSA Minutes from February 11, 2019

DRAFT

Director Partridge motioned to approve Item 5a, and seconded by Director Coulthard, and passed unanimously.

6. SGMA UPDATE – MADERA SUBBASIN

a. There is a meeting to address groundwater modeling on April 18, 2019.
b. District Engineer Ehlers reported that 7 chapters of the GSP are drafted.

7. ADJOURN

Director Scarborough made a motion to adjourn. The motion was seconded by Director Coulthard and passed unanimously.

The meeting was adjourned at 12:05 pm.

DRAFT

NEW STONE WATER DISTRICT
P.O. BOX 1350
SELMA, CA 93662

ROOT CREEK WATER DISTRICT
P.O. BOX 27950
FRESNO, CA 93729

April 25, 2019

County of Madera GSA
Brett Frazier, Chairman
Board of Supervisors
200 W. Fourth Street
Madera, CA 93637

City of Madera GSA
Andy Medellin, Mayor
205 W. Fourth Street
Madera, CA 93637

Madera Irrigation District GSA
Jim Erickson, President
12152 Rd 28 1/4
Madera, CA 93637

Madera Water District GSA
John Gies, General Manager
16943 Road 26
Madera, CA 93637

Gravelly Ford Water District GSA
Don Roberts, General Manager
25176 Avenue 5 1/2
Madera, CA 93637

Dear Madera Subbasin Groundwater Sustainability Agencies:

The Groundwater Sustainability Agencies of the New Stone Water District and the Root Creek Water District have already informed you that they will be submitting individual Groundwater Sustainability Plans (GSPs) to cover their respective districts. These agencies are signers to this communication ("the Signers").

As a result, four separate GSPs will be written for the Madera Subbasin. One joint GSP will be written by the County of Madera GSA, the City of Madera GSA, the Madera Irrigation District GSA and the Madera Water District GSA. That GSP will cover nearly the entire Subbasin. Gravelly Ford Water District will submit an individual GSP. New Stone Water District (4,800 acres) and Root Creek Water District (9,550 acres) will submit individual GSPs and account for a small portion (4%) of the Madera Subbasin. As part of the ongoing efforts to coordinate, we offer our comments jointly on various issues facing the Subbasin.

A Coordination Agreement will be signed by the seven GSAs in the basin, and presently a draft of that document is circulating. Time is of the essence in finalizing a Coordination Agreement, as the ability to make decisions involving the seven GSAs is impeded until a formal structure is in place.

On July 16, 2018, staff representatives for the seven GSAs in the basin began meeting regularly to discuss technical items. The Signers have continued to attend technical meetings while developing their own GSPs and will continue to attend these meetings in the future. Technical meetings should be limited to

technical discussions only, and policy discussions amongst board members and district managers that are subject to the Brown Act should only occur in a public setting.

The Signers recognize that due to the relatively small size of their districts, the groundwater management practices of other GSAs, particularly on land near the boundaries of the Signer's districts, have the potential to adversely affect the progress of each Signer in reaching the sustainability goals of the Signer's GSP. Nonetheless, the Signers are opposed to any agreement that would permit another GSA to require a GSA to manage its district in a particular manner, to enforce elements of the GSP for another GSA, or to object because another GSA has fallen behind in implementing its GSP or modified or decided not to implement one or more elements of its GSP. The Signers would welcome any suggestions the other GSAs may have for addressing this issue.

California Water Code Section 10727.6 prescribes the requirements for coordinated plans when multiple plans cover a basin. Groundwater sustainability agencies intending to develop and implement multiple groundwater sustainability plans pursuant to paragraph (3) of subdivision (b) of Section 10727 shall coordinate with other agencies preparing a groundwater sustainability plan within the basin to ensure that the plans utilize the same data and methodologies for the following assumptions in developing the plan:

(a) Groundwater elevation data.
(b) Groundwater extraction data.
(c) Surface water supply.
(d) Total water use.
(e) Change in groundwater storage.
(f) Water budget.
(g) Sustainable yield.

It is the common goal of the parties in the Madera Subbasin to comply with SGMA. To that end, the Signers prefer to address the items listed above in the coordination process, and not to introduce additional items not required by SGMA.

The Signers generally agree with the data and methodology used to draft the water budget for the Subbasin. Additionally, we believe that we will come to agreement on the sustainable yield, undesirable results, minimum thresholds and measurable objectives. We will manage undesirable results within our boundaries as to overdraft.

While we recognize that SGMA specifies that the total volume of sustainable yield is one of the items to be determined for the Madera Subbasin as whole, we do not see value in determining a per acre allotment of groundwater for the entire Subbasin. In other words, we do not agree with, or support the notion of, a single groundwater allocation per acre across the entire Subbasin. Instead, the water budget for each GSA within the Subbasin should be based on that GSA's existing groundwater usage less the associated overdraft within that GSA, as measured by groundwater levels within that GSA. In keeping with the right of each GSA to develop its own GSP under SGMA, it should be left up to each GSA in developing its GSP to determine how to allocate such available groundwater to the land within its district and to develop projects or otherwise manage groundwater to address any resulting shortfall and to meet the sustainability objectives it establishes in its GSP.

Sincerely,

NEW STONE WATER DISTRICT

BY: _____

NAME: Jeff Lion

ROOT CREEK WATER DISTRICT

BY: _____

NAME: JULIA BERRY, General Manager

AGENDA

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
GROUNDWATER SUSTAINABILITY PLAN (GSP) TECHNICAL WORKSHOP
MADERA SUBBASIN

Date:	Thursday, April 25, 2019
Time:	3:30 - 6:00 pm
Location:	Frank Bergon Senior Center Multi-Purpose Room 238 S D Street Madera, CA

MEETING OBJECTIVES:

- Discuss example minimum thresholds and measurable objectives

(NOTE: at each agenda item there will be an opportunity for members of the public to ask questions.)

1. **WELCOME, MEETING OBJECTIVES, INTRODUCTIONS, GENERAL UPDATES – Stephanie Anagnoson, County of Madera, and Julia Van Horn, California State University, Sacramento**

2. **GROUNDWATER MODEL CALIBRATION – Pete Leffler and Nick Watterson, Luhdorff & Scalmanini**

3. **PROJECTED FUTURE HYDROLOGY (2019 – 2090) – Bryan Thoreson, Davids Engineering**

4. **PROJECTS – Bryan Thoreson, Davids Engineering**

5. **GROUNDWATER MODEL RESULTS – Pete Leffler and Nick Watterson, Luhdorff & Scalmanini**

6. **MINIMUM THRESHOLDS AND MEASURABLE OBJECTIVES – Pete Leffler and Nick Watterson, Luhdorff & Scalmanini**

7. **NEXT STEPS, ADDITIONAL QUESTIONS AND DISCUSSION – All**

For additional information about Madera and Chowchilla Subbasin GSAs, visit http://www.maderacountywater.com/subbasins/

As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies'
Advisory Committee
May 17, 2019
2:00 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in the Board Chambers at Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL**

4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary.

5. **IMPLEMENTATION OF SB 252 – Dexter Marr**

6. **WEB SITE UPDATE – Stephanie Anagnoson and Kim Witten**

7. **UPDATE ON SUBBASINS & CALENDAR – Stephanie Anagnoson**

8. **ALLOCATION OF EXISTING STORED GROUNDWATER DISCUSSION AND RECOMMENDATION – Stephanie Anagnoson and Greg Young**

9. **DIRECTOR'S REPORT – Stephanie Anagnoson**

10. **COMMITTEE MEMBER COMMENTS**

11. **ADJOURNMENT**

Next Meeting Date: July 11, 2019 at 2 p.m.

MADERA IRRIGATION DISTRICT
GROUNDWATER COMMITTEE MEETING

AGENDA

MISSION STATEMENT
To obtain and manage affordable surface and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, May 21, 2019
1:30 pm.

Madera Irrigation District
12152 Road 28 1/4
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In accordance with Government Code 54957.5(2) (1), copies of the Agenda and any writing in connection with open session items are available for public inspection during normal business hours at the Madera Irrigation District office

1. CALL TO ORDER

2. PUBLIC COMMENT

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items which are within the subject matter jurisdiction of the Committee. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Chairman of the Committee has the option of asking the speaker to hold the comment until that item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

3. NEW BUSINESS

3a. Discussion / recommendation on Groundwater Sustainability Plan (GSP) Sustainability Goals

3b. Discussion / recommendation on measurable objectives, minimum thresholds and 2020-2040 implementation period transitional pumping

3c. Update on Madera Subbasin Coordination Agreement

3d. Discussion only on developing a Policy related to Intensive Water Use in the MID GSA

4. ADJOURNMENT

MADERA IRRIGATION DISTRICT
GROUNDWATER COMMITTEE MEETING

AGENDA

MISSION STATEMENT
To obtain and manage affordable surface and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, May 21, 2019
1:30 pm.

Madera Irrigation District
12152 Road 28 1/4
Madera, California 93637

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3b. Discussion / recommendation on measurable objectives, minimum thresholds and 2020-2040 implementation period transitional pumping

3c. Update on Madera Subbasin Coordination Agreement

3d. Discussion only on developing a Policy related to Intensive Water Use in the MID GSA

4. ADJOURNMENT

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies' Advisory Committee Special Meeting
May 23, 2019
1:30 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in the Board Chambers at the Madera County Government Center, 200 West 4th Street, Madera, California. The meeting may be available at maderacounty.com to stream.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL**

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5. **ALLOCATION DISCUSSION & RECOMMENDATION – Greg Young and Stephanie Anagnoson**
   a. Allocation of Existing Stored Groundwater
   b. Allocation of Native Groundwater

6. **DIRECTOR'S REPORT – Stephanie Anagnoson**

7. **COMMITTEE MEMBER COMMENTS**

8. **ADJOURNMENT**

Next Meeting Date: July 11, 2019 at 2 p.m.

Madera Subbasin SGMA News

Public Technical Workshop for the Madera Subbasin Joint GSP

Please join us for a Public Technical Workshop to support developing a **Groundwater Sustainability Plan (GSP)** for the Madera Subbasin on

Wednesday, May 29, 2019
2:00 – 4:00 pm
Madera County Board of Supervisors Chambers
200 West 4th Street
Madera, CA

Topics will include:

- Sustainability goals
- Monitoring network
- Minimum thresholds for all sustainability indicators
- Measurable objectives and 5-year interim milestones
- Annual reporting

For more information on Madera Subbasin GSAs, visit:
http://www.maderacountywater.com/maps/madera-subbasin/

To be added to the Madera Subbasin GSP Listserv, please sign up at:
http://www.maderacountywater.com/join-list/

Madera Subbasin SGMA News

Taller Público Técnico para el GSP Conjunto de la Subcuenca de Madera

Acompáñanos para un Taller Técnico Público apoyando el desarrollo de un **Plan de Sostenibilidad del Agua Subterránea (GSP**, por sus siglas en ingles) para la subcuenca de Madera (Madera Subbasin):

Miércoles, 29 de mayo del 2019
2:00 – 4:00 pm
Sala de la junta de supervisores del condado de Madera
200 West 4th Street
Madera, CA

Los temas del taller son:

- Objetivos de sostenibilidad
- Red de monitoreo
- Umbrales mínimos para todos los indicadores de sostenibilidad
- Objetivos medibles e hitos intermédios de cada 5 años
- Informes anuales

Para solicitar traducción del taller, contacte
Stephanie Anagnoson (stephanie.anagnoson@maderacounty.com)
antes del dia 22 de mayo del 2019

Para más información sobre las Agencias de Sostenibilidad del Agua Subterránea (GSAs, por sus siglas en ingles) en Madera, visite
http://www.maderacountywater.com/maps/madera-subbasin/

Para ser agregado al listserv del Madera Subbasin GSP, por favor regístrate en
http://www.maderacountywater.com/join-list/

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

June 12, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President of the Board when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes of the May 8, 2019 meeting of the Board.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills to be paid by the GSA and/or ratify prior payment of bills. The Board may also review, discuss and possibly approve other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

GRAVELLY FORD WATER DISTRICT
June 17, 2019 AGENDA

Meeting Date:
Monday - June 17, 2019
1:30 p.m.

O'Neill Agri-Management Office
13991 Ave 7
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager at 559-474-1000. Notification in advance of the meeting will enable GFWD to make reasonable arrangements to insure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Gravelly Ford Water District Office, located at 18811 Rd 27, Madera, California 93638.

2. **APPROVAL OF MINUTES:** Discussion and possible action of approval of minutes for the regular meeting of May 20, 2019 as emailed.

3. **POTENTIAL CONFLICTS OF INTEREST:** Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter [FPPC §86105]

4. **WATER SUPPLY:** Report on water supply for 2019 with discussion and possible action.

5. **SYSTEM MAINTENANCE**: Report on system maintenance and possible action.

6. **GSA/GSP (SGMA):** (a) Report and update of activities and possible action on GSA/GSP.
   (b) Discussion and possible action on correspondence re: the Water Board's April 11, 2019 letter to Gravelly Ford Water District.
   (c) Discussion and possible action "draft Basin Cooperative Agreement".
   (d) Discussion and possible action re: a "218 Assessment" to cover legal and consulting costs that are associated with the SGMA GSA/GSP process.

7. **WEBSITE:** Report and possible action on District website.

8. **MADERA REGIONAL WATER MANAGEMENT GROUP:** Report on activities and possible action.

9. **RECHARGE PONDING BASIN:** Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

10. **ANNEXATION:** Update on status of proposed Annexation.

11. **MEETING DATE:** Discussion and possible action on a change in the Board Meeting meeting date for July.

12. FINANCIAL REPORT: a) Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for June 2019.
b) Discussion and possible action re: GFWD's Basic Financial statements for years ended December 31, 2018 and 2017.

13. CORRESPONDENCE & MANAGER'S REPORT:

14. BOARD COMMENTS, FUTURE AGENDA ITEMS:

15. ADJOURNMENT: Next meeting tentatively scheduled for July 15, 2019.

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
GROUNDWATER SUSTAINABILITY AGENCY MEETING
BOARD OF EQUALIZATION

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, June 18, 2019
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. CLOSED SESSION Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([3] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([6] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; Petition for the Adjudication of Rights to the Fresno River, before the State Water Resources Control Board

1d. CONFERENCE WITH REAL PROPERTY NEGOTIATORS – Pursuant to Government Code Section 54954.5
Property: 040-172-002
Agency Negotiator: Thomas Greci
Negotiating Parties: William Diedrich
Under Negotiation: Price

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1f. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Cindy Reyna Castro v. Madera Irrigation District, et. al., Case No. MCV078961

1g. CONFERENCE WITH LEGAL COUNSEL – REAL PROPERTY NEGOTIATIONS – Pursuant to Government Code Section 54956.8

Property: Easement Near 031-192-001
Agency Negotiator: Thomas Greci
Negotiating Parties: Madera Water District
Under Negotiations: Price, Terms, and Conditions

1g. CONFERENCE WITH LABOR NEGOTIATORS
Pursuant to Government Code Section 54957.6
Agency Designated Representatives: Board of Directors
Employee Organization: Madera Irrigation District Employees' Association

2:00 p.m. **CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE**

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session
The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS BOARD OF EQUALIZATION

The Board of Directors, acting as the Board of Equalization will hear and determine objections to the valuation, acreage, or any other matter pertaining to assessments.

ADJOURN AS BOARD OF EQUALIZATION & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (GSA)
   - Madera Subbasin Coordination Agreement

b. Report and recommendations from May 21, 2019 MID Groundwater Committee Meeting
   - Discussion / possible action on Groundwater Sustainability Plan (GSP) Sustainability Goals
   - Discussion / possible action on measurable objectives, minimum thresholds, and 2020-2040 implementation period transitional pumping
   - Discussion only on developing a policy related to Intensive Water Use in the MID GSA

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY & RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of April 11, 2019 Board Meeting Minutes

2b. Approval of April 16, 2019 Board Meeting Minutes

2c. Discussion / possible action on approval of warrant list payment through June 18, 2019

2d. Discussion / possible action on monthly financial report for April and May

3. INFORMATION ITEMS

3a. Finance / Human Resources Report

3b. Engineering / Operations / Maintenance Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities

- Rescheduling of July/August Regular Board Meetings
- MID Blood Drive, June 20, 2019
- Madera District Fair, September 5-8, 2019
- MID Centennial Celebration
- Friant Water Authority O&MR Cost Recovery Methodology Revisions
- Water Supply

5. NEW BUSINESS

5a. Discussion / possible action on placing nomination of Brian Davis as a member of the Association of California Water Agencies Region 6 Board of Directors, Resolution No. 2019-17

5b. Discussion / possible action on Ad Hoc Assessment and Fee Analysis Committee, Resolution No. 2019-18

5c. Discussion / possible action on Memorandum of Understanding with Madera Irrigation District Employees' Association, Resolution No. 2019-19

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETING

June 21, 2019 – Special Board Meeting

8. ADJOURNMENT

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies'
Advisory Committee
Special Meeting
June 20, 2019
2:30 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in the Board Chambers at Madera County Government Center, 200 West 4th Street, Madera, California.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL**

4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary.

5. **DEMAND MANAGEMENT OPTIONS AND RECOMMENDATION – Greg Young and Stephanie Anagnoson**

6. **DIRECTOR'S REPORT – Stephanie Anagnoson**

7. **COMMITTEE MEMBER COMMENTS**

8. ADJOURNMENT

Next Regular Meeting Date: July 11, 2019 at 2 p.m.

ROOT CREEK
Water District
MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

July 8, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

AGENDA

1. **CALL TO ORDER**

2. **ADDITIONS TO THE AGENDA**

   (The Board may add an item to the agenda if, upon a two-thirds vote, the Board finds that there is a need for immediate action on the matter and the need came to the attention of the District after the posting of this Agenda.)

3. **PUBLIC COMMENT**

   Members of the public may address the Board on any matter related to the District that is not included on the Agenda. Comments are limited to five (5) minutes per person.

4. **POTENTIAL CONFLICT(S) OF INTEREST**

   (Any Board member who has a potential conflict of interest may now identify the item and recuse himself or herself from discussing and voting on the matter.)

5. **APPROVAL OF GSA MEETING MINUTES** – review and take action to approve minutes

   a. RCWD GSA Minutes from May 13, 2019

6. **CORRESPONDENCE**

   (Members of the Board or Staff may provide comment on any timely matter related to the District that is not included on the agenda.)

7. **SGMA UPDATE – MADERA SUBBASIN** – The Board may take action on any of the following items

a. GSP Update – District Engineer
b. SGMA Update – General Manager
    i. May 20, 2019 Response from GSAs in the Madera Subbasin to Root Creek Water District

8. ADJOURN

▪ Items on the Agenda may be taken in any order.
▪ Action may be taken on any item listed on the Agenda.
▪ Writings relating to open session Agenda items that are distributed to members of the Board of Directors will be available for inspection at the District office, excluding writings that are not public records or are exempt from disclosure under the California Public Records Acts.
▪ ACCOMMODATIONS FOR PERSONS WITH DISABILITIES
A person with a qualifying disability under the Americans With Disabilities Act of 1990 may request the District to provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats for the agendas and agenda packets used for any public meetings of the District. Requests for such assistance and for agendas and agenda packets shall be made in person, by telephone, or by written correspondence to the District at (559) 970-8778 or P.O. Box 27950, Fresno, California 93729, at least 48 hours before a District meeting.

ROOT CREEK Water District
MANAGING RESOURCES FOR A BETTER FUTURE

DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
AMBER MENDOZA, TREASURER
DANNY HOFFMAN
LYNN HOFFMAN
BRIAN PARTRIDGE
TONI SCARBOROUGH

JULIA D. BERRY, GENERAL MANAGER/SECRETARY
MIKE CUTTONE, ASSISTANT TREASURER
BRIAN EHLERS, DISTRICT ENGINEER
LAUREN D. LAYNE, LEGAL COUNSEL

MEETING OF THE
ROOT CREEK WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY
The Lodge at Riverstone
370 Lodge Road South
Madera, California 93636

May 13, 2019 at 11:00 A.M.
(*or immediately following the Root Creek Water District Board of Directors meeting*)

Minutes

1. CALL TO ORDER

a. President Bruno called the meeting to order at 12:43 p.m.

b. Board Members present: Nick Bruno, Jeff Coulthard, Brian Partridge, Lynn Hoffman, Amber Mendoza, Dan Hoffman, Toni Scarborough

c. Board Members absent: none

d. Others present: Brian Ehlers, Provost & Pritchard; Lauren Layne, Legal Counsel, Baker Manock & Jensen; Julia Berry, General Manager/Secretary; Al Solis, Don Wright, Shay Bakman, Stephanie Anagnoson

2. ADDITIONS TO THE AGENDA

There were no additions to the agenda.

3. PUBLIC COMMENT

There was no public comment.

4. POTENTIAL CONFLICT(S) OF INTEREST

There were no conflicts identified.

5. APPROVAL OF GSA MEETING MINUTES

a. RCWD GSA Minutes from April 8, 2019

DRAFT

Director Scarborough motioned to approve Item 5a, and seconded by Director L. Hoffman, and passed unanimously.

6. SGMA UPDATE – MADERA SUBBASIN

a. Staff was directed to distribute a hard copy of the draft Groundwater Sustainability Plan (GSP) to Director Scarborough, and electronically to Director Bruno and Director Mendoza
b. GM Berry reported that written correspondence was sent to the other 5 Groundwater Sustainability Agencies (GSAs) in the Subbasin by Root Creek and New Stone Water District regarding coordination.

7. ADJOURN

Director Scarborough made a motion to adjourn. The motion was seconded by Director L. Hoffman and passed unanimously.

The meeting was adjourned at 1:03 pm.

DRAFT

May 20, 2019

Dear Root Creek and New Stone Water District GSA:

Thank you for continuing the dialogue about important groundwater management issues. Please find these responses to your letter dated April 25, 2019.

Paragraph 3: "Time is of the essence in finalizing a Coordination Agreement, as the ability to make decisions involving the seven GSAs is impeded until a formal structure is in place."

While we agree time is of the essence, coordination can occur without a coordination agreement. The coordination agreement is required by the Department of Water Resources of basins with multiple GSPs, but lack of a coordination agreement does not mean we are paralyzed, nor impeded, and cannot coordinate. In fact, many meetings and coordinating activities have occurred in the past year. A coordination agreement draft is currently being circulated and the Joint Madera Subbasin GSP participating agencies continue to welcome your attendance and involvement at meetings to discuss these topics so that coordination can, in fact, occur.

Paragraph 4: "Technical meetings should be limited to technical discussions only, and policy discussions amongst board members and district managers that are subject to the Brown Act should only occur in a public setting."

Yes, we are very aware and cognizant of the Brown Act. Boards make policy decisions, but often technical experts have to discuss the choices and analyze, from a technical perspective, the impacts of the various options. These are legitimate discussions to occur in a Technical Ad Hoc format.

Paragraph 5: "Nonetheless, the Signers are opposed to any agreement that would permit another GSA to require a GSA to manage its district in a particular manner, to enforce elements of the GSP for another GSA, or to object because another GSA has fallen behind in implementing its GSP or modified or decided not to implement one or more elements of its GSP."

Are you suggesting that we are not allowed to comment on each other's implementation progress or hold each other accountable?

Paragraph 9: "While we recognize that SGMA specifies that the total volume of sustainable yield is one of the items to be determined for the Madera Subbasin as whole, we do not see value in determining a per acre allotment of groundwater for the entire Subbasin. In other words, we do not agree with, or support the notion of, a single groundwater allocation per acre across the entire Subbasin."
As noted previously in your letter, we have all been meeting regularly to discuss technical items for nearly a year. Last summer, Davids Engineering (DE) presented to our technical workgroup and

subsequently at public technical workshops, the estimated water budget for the entire subbasin. A component of that budget was the water that percolates into the groundwater from precipitation and from natural flows in rivers and streams. The DE budget estimated these values for each year between 1989 and 2014, presenting the range and the average value. We have been referring to this portion of the budget as the "native groundwater" where native groundwater represents water available to all overlying users throughout the entire Madera Subbasin. Native groundwater is the water that would be available absent any entitlement to surface water via contract or right – essentially what we would have from the ground if no man-made projects existed to capture, store or divert surface water.

While useful for the subbasin budget, the subbasin-wide value was difficult for folks to understand from a user perspective. Thus, at the request of both the public and the technical experts, the DE team determined native groundwater per acre in order to have a discussion about preliminary sustainable yield. This was simply a proportional division of the subbasin value, the result is the per-acre-foot value that has been discussed elsewhere. However, there is not a subbasin-wide allocation per acre. Each GSA decides how to manage its proportional share of the subbasin's native groundwater.

The Madera County GSA – and only the Madera County GSA – currently is pursuing a recommendation from its Advisory Committee that the native groundwater value truly be allocated equally by acre. We understand the MID GSA and others are approaching the management differently. Your GSAs may choose a different approach to management and accounting also, per your discretion. However, the total native groundwater available to the subbasin is a shared resource and, by 2040, each GSA will need to be managing within its proportional share of the subbasin's native groundwater. SGMA specifically states: "*Nothing in this part, or in any groundwater management plan adopted pursuant to this part, determines or alters surface water rights or groundwater rights under common law or any provision of law that determines or grants surface water rights.*" [CWC Section 10720.5(b)]

Paragraph 9: "Instead, the water budget for each GSA within the Subbasin should be based on that GSA's existing groundwater usage less the associated overdraft within that GSA, as measured by groundwater levels within that GSA."

The code and BMPs are clear on the process for creating a water budget. First, the SGMA regulations require that each GSP shall include a water budget "*for the basin that provides an accounting and assessment of the total annual volume of groundwater and surface water entering and leaving the basin,…*" [CCR Section 354.18(a)] The regulations require the budgets to be prepared for the "basin," not for a GSA boundary.

Additionally, the SGMA regulations state the water budget shall quantify, among other things: "*Inflow to the groundwater system by water source type, including subsurface groundwater inflow and infiltration of precipitation, applied water, and surface water systems, such as lakes, streams, rivers, canals, springs and conveyance systems.*" [CCR Section 354.18(b)(2)]

The DE team followed these requirements, and the DWR BMPs to prepare the water budget for the entire Madera Subbasin – including the portion of the budget reflecting the native groundwater portion discussed above. This is also why coordination needs to occur with many aspects of the GSPs including monitoring, Measurable Objectives, and Minimum Thresholds.

Your suggested methodology seems to isolate each of your GSAs from the basin and from other GSAs and advocates ignoring any connectivity between the GSAs, which, as a reminder, were created based solely on jurisdictional boundaries. We believe this methodology is inconsistent with the SGMA regulations and physical reality.

Paragraph 9: "In keeping with the right of each GSA to develop its own GSP under SGMA, it should be left up to each GSA in developing its GSP to determine how to allocate such available groundwater to the land within its district and to develop projects or otherwise manage groundwater to address any resulting shortfall and to meet the sustainability objectives it establishes in its GSP."

We agree.

Thank you for your cooperation.

Sincerely,

Madera County GSA

Madera Irrigation District GSA

City of Madera GSA

Madera Water District GSA

NEW STONE WATER DISTRICT
P.O. BOX 1350
SELMA, CA 93662

ROOT CREEK WATER DISTRICT
P.O. BOX 27950
FRESNO, CA 93729

April 25, 2019

County of Madera GSA
Brett Frazier, Chairman
Board of Supervisors
200 W. Fourth Street
Madera, CA 93637

City of Madera GSA
Andy Medellin, Mayor
205 W. Fourth Street
Madera, CA 93637

Madera Irrigation District GSA
Jim Erickson, President
12152 Rd 28 1/4
Madera, CA 93637

Madera Water District GSA
John Gies, General Manager
16943 Road 26
Madera, CA 93637

Gravelly Ford Water District GSA
Don Roberts, General Manager
25176 Avenue 5 1/2
Madera, CA 93637

Dear Madera Subbasin Groundwater Sustainability Agencies:

The Groundwater Sustainability Agencies of the New Stone Water District and the Root Creek Water District have already informed you that they will be submitting individual Groundwater Sustainability Plans (GSPs) to cover their respective districts. These agencies are signers to this communication ("the Signers").

As a result, four separate GSPs will be written for the Madera Subbasin. One joint GSP will be written by the County of Madera GSA, the City of Madera GSA, the Madera Irrigation District GSA and the Madera Water District GSA. That GSP will cover nearly the entire Subbasin. Gravelly Ford Water District will submit an individual GSP. New Stone Water District (4,800 acres) and Root Creek Water District (9,550 acres) will submit individual GSPs and account for a small portion (4%) of the Madera Subbasin. As part of the ongoing efforts to coordinate, we offer our comments jointly on various issues facing the Subbasin.

A Coordination Agreement will be signed by the seven GSAs in the basin, and presently a draft of that document is circulating. Time is of the essence in finalizing a Coordination Agreement, as the ability to make decisions involving the seven GSAs is impeded until a formal structure is in place.

On July 16, 2018, staff representatives for the seven GSAs in the basin began meeting regularly to discuss technical items. The Signers have continued to attend technical meetings while developing their own GSPs and will continue to attend these meetings in the future. Technical meetings should be limited to

technical discussions only, and policy discussions amongst board members and district managers that are subject to the Brown Act should only occur in a public setting.

The Signers recognize that due to the relatively small size of their districts, the groundwater management practices of other GSAs, particularly on land near the boundaries of the Signer's districts, have the potential to adversely affect the progress of each Signer in reaching the sustainability goals of the Signer's GSP. Nonetheless, the Signers are opposed to any agreement that would permit another GSA to require a GSA to manage its district in a particular manner, to enforce elements of the GSP for another GSA, or to object because another GSA has fallen behind in implementing its GSP or modified or decided not to implement one or more elements of its GSP. The Signers would welcome any suggestions the other GSAs may have for addressing this issue.

California Water Code Section 10727.6 prescribes the requirements for coordinated plans when multiple plans cover a basin. Groundwater sustainability agencies intending to develop and implement multiple groundwater sustainability plans pursuant to paragraph (3) of subdivision (b) of Section 10727 shall coordinate with other agencies preparing a groundwater sustainability plan within the basin to ensure that the plans utilize the same data and methodologies for the following assumptions in developing the plan:

(a) Groundwater elevation data.
(b) Groundwater extraction data.
(c) Surface water supply.
(d) Total water use.
(e) Change in groundwater storage.
(f) Water budget.
(g) Sustainable yield.

It is the common goal of the parties in the Madera Subbasin to comply with SGMA. To that end, the Signers prefer to address the items listed above in the coordination process, and not to introduce additional items not required by SGMA.

The Signers generally agree with the data and methodology used to draft the water budget for the Subbasin. Additionally, we believe that we will come to agreement on the sustainable yield, undesirable results, minimum thresholds and measurable objectives. We will manage undesirable results within our boundaries as to overdraft.

While we recognize that SGMA specifies that the total volume of sustainable yield is one of the items to be determined for the Madera Subbasin as whole, we do not see value in determining a per acre allotment of groundwater for the entire Subbasin. In other words, we do not agree with, or support the notion of, a single groundwater allocation per acre across the entire Subbasin. Instead, the water budget for each GSA within the Subbasin should be based on that GSA's existing groundwater usage less the associated overdraft within that GSA, as measured by groundwater levels within that GSA. In keeping with the right of each GSA to develop its own GSP under SGMA, it should be left up to each GSA in developing its GSP to determine how to allocate such available groundwater to the land within its district and to develop projects or otherwise manage groundwater to address any resulting shortfall and to meet the sustainability objectives it establishes in its GSP.

Sincerely,

NEW STONE WATER DISTRICT

BY: _____

NAME: Jeff Lion

ROOT CREEK WATER DISTRICT

BY: _____

NAME: JULIA BERRY, General Manager

AGENDA

MEETING OF THE BOARD OF DIRECTORS OF
THE MADERA WATER DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

1663 N. Schnoor Street, Suite 105
Madera, CA

July 10, 2019

CALL TO ORDER – GROUNDWATER SUSTAINABILITY AGENCY ("GSA") MEETING.

1. PUBLIC COMMENT – GSA MATTERS. This portion of the meeting is reserved for members of the public to address the Board on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Board of the GSA. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Board on items on the Agenda should notify the President of the Board when that Agenda item is called and the President will recognize public discussion at that time. It should be noted that the Board is prohibited by law from taking action on matters discussed that are not on the Agenda. Speakers are asked to provide their name and address.

2. APPROVAL OF MINUTES. The Board may review and approve the minutes of the June 12, 2019 meeting of the Board.

3. FINANCIAL MATTERS. The Board may review, discuss and possibly approve bills to be paid by the GSA and/or ratify prior payment of bills. The Board may also review, discuss and possibly approve other financial matters related to GSA activities.

4. GROUNDWATER COORDINATION COMMITTEE. The Board may hear a report from its representatives on the Madera Subbasin Coordination Committee regarding groundwater sustainability plan ("GSP") developments and updates from Committee workshop meetings. The Board may take action to direct the GSA's consultants regarding matters related to the development of the GSP.

5. DIRECTOR COMMENTS. The Board may discuss other items as permitted by the California Government Code.

ADJOURNMENT.

Written materials related to an agenda item to be considered in open session that are public records will be made available for public inspection upon request.

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the District provide a disability-related modification or accommodation in order to participate in any public meeting of the District. Such assistance includes appropriate alternative formats of the agenda and agenda packets used for any public meetings of the District. Requests for such assistance and for agenda and agenda packets shall be made in person, by telephone or written correspondence to the District at 16943 Road 26, Suite 103, Madera, California at least 48 hours before a public District meeting.

ANY INDIVIDUAL WITH A DISABILITY MAY REQUEST SPECIAL ASSISTANCE BY CONTACTING THE RECORDING SECRETARY

AGENDA
for County of Madera
Groundwater Sustainability Agencies' Advisory Committee Special Meeting
July 11, 2019 at 2:00 P.M.

Meetings of the County of Madera Groundwater Sustainability Agencies' Advisory Committee shall convene in the Board Chambers at the Madera County Government Center, 200 West 4th Street, Madera, California. The meeting may be available at maderacounty.com to stream.

Supporting documents relating to the items on this agenda are available through the County of Madera website at www.maderacounty.com. These documents are also available at the office of the Madera County Water and Natural Resources Department, 200 West 4th Street, Madera, CA 93637. Please contact the Department of Water and Natural Resources for updates.

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL**

4. **PUBLIC COMMENT:** The first 15 minutes of each regular session is set aside for members of the public to comment on any item within the jurisdiction of the Committee, but not appearing on the agenda. For items appearing on the agenda, the public is invited to comment at the time the item is called for consideration by the Committee. Any person addressing the Committee under public comment will be limited to a 3 minute presentation to ensure that all interested parties have an opportunity to speak. Please submit any handouts to the Recording Secretary**.**

5. **ESTABLISHMENT OF AD-HOC COMMITTEES – Mike Linden and Stephanie Anagnoson**
   a. **Livestock**
   b. **Domestic Well Mitigation**

6. **WATER USE TECHNOLOGY REPORT – Devin Aviles**

7. **MULTI-YEAR PLANNING – Greg Young and Stephanie Anagnoson**

8. **MINIMUM THRESHOLDS AND MEASUREABLE OBJECTIVES – Greg Young & Stephanie Anagnoson**

9. **ADJOURNMENT**

Next Regular Meeting Date: September 5, 2019 at 2 p.m.

GRAVELLY FORD WATER DISTRICT
July 22, 2019 AGENDA

Meeting Date:
Monday - July 22, 2019
1:30 p.m.

O'Neill Agri-Management Office
13991 Ave 7
Madera, CA 93637

1. PUBLIC PARTICIPATION

This agenda item gives members of the public an opportunity to present their views on any matter of general importance to the District that is not on the current agenda. Any member of the public who desires to address the Board on any agenda item shall notify the Chairman of the Board of such desire at the time the agenda item is being discussed. Each speaker shall be limited to three minutes.

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager at 559-474-1000. Notification in advance of the meeting will enable GFWD to make reasonable arrangements to insure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Gravelly Ford Water District Office, located at 18811 Rd 27, Madera, California 93638.

2. **APPROVAL OF MINUTES:** Discussion and possible action of approval of minutes for the regular meeting of June 17, 2019 as emailed.

3. **POTENTIAL CONFLICTS OF INTEREST:** Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter [FPPC §86105]

4. **WATER SUPPLY:** Report on water supply for 2019 with discussion and possible action.

5. **SYSTEM MAINTENANCE**: Report on system maintenance and possible action.

6. **GSA/GSP (SGMA):** (a) Report and update of activities and possible action on GSA/GSP.
   (b) Discussion and possible action on correspondence re: the Water Board's April 11, 2019 letter to Gravelly Ford Water District.
   (c) Discussion and possible action "draft Basin Cooperative Agreement".
   (d) Discussion and possible action re: a "218 Assessment" to cover legal and consulting costs that are associated with the SGMA GSA/GSP process.

7. **WEBSITE:** Report and possible action on District website.

8. **MADERA REGIONAL WATER MANAGEMENT GROUP:** Report on activities and possible action.

9. **RECHARGE PONDING BASIN:** Discussion and possible action regarding future recharge ponding site(s). Possible appointment of a committee to make suggestions and/or recommendations on possible ponding sites.

10. **ANNEXATION:** Update on status of proposed Annexation.

11. **FINANCIAL REPORT:** Discussion and possible action on payment of bills, review of monthly and year-to-date financial statements for July 2019.

GRAVELLY FORD WATER DISTRICT
July 22, 2019 AGENDA

12. CORRESPONDENCE & MANAGER'S REPORT:

13. BOARD COMMENTS, FUTURE AGENDA ITEMS:

14. CLOSED SESSION:

1a. CONFERENCE WITH LEGAL COUNSEL:
Confidential Attorney-Client Privilege
Closed Session Pursuant to Government Code Section 54956.9 (litigation exposure) and/or 54956.8 (assessments/real property negotiations). Regarding SGMA Legal Matters and Related Contract Issues, "218 Assessment".

15. REPORT ON CLOSED SESSION:

16. ADJOURNMENT: Next meeting tentatively scheduled for August 19, 2019.

NEW STONE WATER DISTRICT

District and GSA Meetings

MEETING AGENDA

DATE: July 24, 2018
TIME: 1:30pm
LOCATION: Conference Room @ 9500 S. DeWolf Ave Selma, CA 93662

The following will be discussed at the quarterly meeting:

District Meeting

Appoint Gabriella Lion as Secretary of the District and signing Resolution to that affect
Approve all prior work done by Gabriella Lion up to this meeting

GSA Meeting

1) Discuss GSP (Ken Bonesteel)
    * Review GSP to be released for public comment
    * Discuss Coordination Agreement
2) GSP Next Steps
3) Public Comment
4) Schedule next meeting
5) Close meeting

MADERA IRRIGATION DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING
GROUNDWATER SUSTAINABILITY AGENCY
SPECIAL MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface water and groundwater supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Meeting Date:
Tuesday, July 30, 2019
1:00 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, California 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

In compliance with the California Government Code, members of the public may inspect the agenda and any associated writings, including documents delivered after the 72-hour advance posting of the agenda during regular business hours at the Madera Irrigation District Office, located at 12152 Road 28 1/4, Madera, California 93637.

1:00 p.m. **CALL TO ORDER / ROLL CALL**

APPROVAL OF AGENDA

PUBLIC COMMENT: Closed Session
The first fifteen minutes of this portion of the meeting are reserved for members of the public to address the Board of Directors on Closed Session items listed on the Agenda. Speakers seeking to comment on other items are requested to make those comments during the Public Comment portion of the meeting at 2:00 p.m. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

POTENTIAL CONFLICTS OF INTEREST: Closed Session

Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

1. CLOSED SESSION Closed Session items not concluded prior to Regular Session may be continued at the end of the Regular Session.

1a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code Section 54956.9 ([1] potential cases)

1b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION – Potential initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9 ([5] potential cases)

1c. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Section 54956.9; Petition for the Adjudication of Rights to the Fresno River, before the State Water Resources Control Board

1d. CONFERENCE WITH REAL PROPERTY NEGOTIATORS – Pursuant to Government Code Section 54954.5
Property: 040-172-002
Agency Negotiator: Thomas Greci
Negotiating Parties: William Diedrich
Under Negotiation: Price

1e. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Madera Irrigation District / Madera Irrigation Financing Authority v. Stoel Rives, et. al., Case No. CIV533930

1f. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9; Cindy Reyna Castro v. Madera Irrigation District, et. al., Case No. MCV078961

1g. CONFERENCE WITH REAL PROPERTY NEGOTIATORS – Pursuant to Government Code Section 54954.5
Property: Easements on 006-380-027 and 006-380-028
Agency Negotiator: Thomas Greci
Negotiating Parties: BP Investors, LLC
Under Negotiation: Price

1h. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Paragraph (1) of subdivision (b) of Government Code Section 54957
Title: Assistant General Manager

2:00 p.m. **CALL TO ORDER REGULAR SESSION/ PLEDGE OF ALLEGIANCE**

REPORT ON CLOSED SESSION

POTENTIAL CONFLICTS OF INTEREST
Any Board Member who has a potential conflict of interest may now identify the item and recuse themselves from discussing and voting on the matter. [FPPC §86105]

PUBLIC COMMENT: MID Groundwater Sustainability Agency & Regular Session
The first fifteen minutes of the meeting are reserved for members of the public to address the MID Board on items which are within the subject matter jurisdiction of the Board. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the President of the Board has the option of asking the speaker to hold the comment until that item is called. The Board is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Board does not respond to public comment at this time.

RECESS AS MID BOARD OF DIRECTORS & CONVENE AS MID GROUNDWATER SUSTAINABILITY AGENCY

a. Update on MID Groundwater Sustainability Agency (GSA)
   - Groundwater Sustainability Plan (GSP) Release
   - June 27, 2019 Letter from Leadership Council for Justice & Accountability
   - Madera Subbasin Coordination Agreement

ADJOURN AS MID GROUNDWATER SUSTAINABILITY AGENCY & RECONVENE AS MID BOARD OF DIRECTORS

2. CONSENT AGENDA

2a. Approval of June 18, 2019 Board Meeting Minutes

2b. Approval of June 21, 2019 Board Meeting Minutes

2c. Discussion / possible action on approval of warrant list payments through July 30, 2019

2d. Discussion / possible action on monthly financial report for June

2e. Discussion / possible action on adopting Rules Regulating the Use of Recording Devices at Public Meetings, Resolution No. 2019-29

3. INFORMATION ITEMS

3a. Finance / Human Resources Report

3b. Engineering / Operations / Maintenance Report

4. GENERAL MANAGER'S REPORT

4a. Update of Activities

- Acquisition of 047-050-004
- Submittal of CIP Abstract to Utility Management Conference
- September 17 Regular Board Meeting
- Water Supply

5. NEW BUSINESS

5a. Presentation by Madera County on the Flood Control and Water Conservation Agency's proposed Proposition 218 – **Timed Item 3:00 p.m.**

5b. Discussion / possible action on acceptance of the 401(k) Pension Plan Report on Audited Financial Statements Years Ended December 31, 2018 and 2017, Resolution No. 2019-30

5c. Discussion / possible action on 2019 Budget Modification for Additional Water Purchases, Resolution No. 2019-31

5d. Discussion only on State Water Resources Control Board Hearing for Fresno River adjudication

5e. Discussion / possible action on Madera Chowchilla Water & Power Authority Participating Employer Agreement for 401(a) Plan, Resolution No. 2019-32

5f. Discussion / possible action on approval of Madera Integrated Regional Water Management Plan Proposition 1 Update, Resolution No. 2019-33

5g. Discussion / possible action on conflict waiver with Wanger Jones Helsley, Resolution No. 2019-34

5h. Discussion / possible action on authorization for General Manager to enter into Madera Water District Detachment Agreements, Resolution No. 2019-35

5i. Discussion / possible action on Water Supply Agreement between Madera Irrigation District and Madera Water District, Resolution No. 2019-36

5j. Discussion / possible action on Pipeline Easement Agreement between Madera Irrigation District and Madera Water District, Resolution No. 2019-37

6. DIRECTOR REPORTS, COMMITTEE REPORTS, FUTURE AGENDA ITEMS

- Director Cosyns
- Director Davis
- Director Janzen
- Director Loquaci
- Director Erickson

7. NEXT SCHEDULED BOARD MEETING

September 10, 2019 – Special Meeting

8. ADJOURNMENT

AGENDA

MADERA SUBBASIN JOINT GSP

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
TECHNICAL WORKSHOP AND COORDINATION COMMITTEE MEETING

Date:	Wednesday, August 7, 2019
Time:	2:00 - 4:00 pm
Location:	Madera County Government Center Board of Supervisors Chambers 200 West 4th Street Madera, CA

MEETING OBJECTIVE:

- Present the draft Madera Subbasin Joint GSP

2:00 WELCOME, INTRODUCTIONS, AGENDA REVIEW
Phil Janzen, Madera Water District
Malka Kopell, Consensus and Collaboration Program, California State University Sacramento

2:10 CHAPTER 1: INTRODUCTION
Dina Nolan, Madera Irrigation District

2:15 CHAPTER 2: PLAN AREA AND BASIN SETTING
Greg Young, Madera County

- Groundwater Sustainability Agencies
- Hydrogeologic Conceptual Model
- Historical Groundwater Conditions
- Water Budget
- Questions from Coordination Committee and Public

2:40 CHAPTER 3: SUSTAINABLE MANAGEMENT CRITERIA
Greg Young, Madera County

- Sustainability Goal
- Monitoring Network
- Minimum Thresholds for all Sustainability Indicators
- Measurable Objectives and 5-Year Interim Milestones for all Sustainability Indicators
- Questions from Coordination Committee and Public

3:05 CHAPTER 4: PROJECTS AND MANAGEMENT ACTIONS
Eric Abrahamsen, Madera Water District

- Types of Projects
- Water Sources
- Questions from Coordination Committee and Public

AGENDA

MADERA SUBBASIN JOINT GSP

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
TECHNICAL WORKSHOP AND COORDINATION COMMITTEE MEETING

Wednesday, August 7, 2019

3:30 CHAPTER 5: IMPLEMENTATION PLAN
Keith Helmuth, City of Madera

- Costs
- Schedule
- Annual Reporting and Data Management Systems
- Periodic Evaluations
- Questions from Coordination Committee and Public

3:55 NEXT STEPS
Stephanie Anagnoson, Madera County

4:00 CLOSE FORMAL MEETING

(Note: the formal meeting will close at 4pm but staff will be available after the meeting in case there are additional questions from the public)

For additional information about Madera and Chowchilla Subbasin GSAs, visit https://www.maderacountywater.com/maps/madera-subbasin/

As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.

REGULAR MEETING OF THE MADERA CITY COUNCIL
AND
SPECIAL MEETING OF THE MADERA CITY COUNCIL AS THE GROUNDWATER SUSTAINABILITY AGENCY

205 W. 4th Street, Madera, California 93637

JOINT MEETING NOTICE AND AGENDA

Wednesday August 7, 2019
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Andrew J. Medellin**
Mayor Pro Tem Steve Montes, District 3
Council Member Cece Gallegos, District 1
Council Member Jose Rodriguez, District 2
Council Member Derek O. Robinson Sr., District 4
Council Member Santos Garcia, District 5
Council Member Donald E. Holley, District 6

INVOCATION: Pastor Roger Leach, Valley West Christian Center

PLEDGE OF ALLEGIANCE:

APPROVAL OF AGENDA:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked, but are not required, to identify themselves and state the subject of their comments. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS

1. Road to 2020 Census (Presentation by Leticia Medina, Partnership Specialist for the US Census Bureau)

INTRODUCTIONS: None.

A. WORKSHOP

A-1 City Energy Program and Development Update at City Facilities in Partnership with ENGIE

B. CONSENT CALENDAR

Matters listed under the Consent Calendar are considered routine and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired, a member of the public or a member of the Council may request an item be removed from the Consent Calendar and it will be considered separately.

B-1 Minutes – 06/26/2019

B-2 Informational Report on Register of Audited Demands (Report by Susan O'Haro)

B-3 Water Conservation Report for June 17, 2019 through July 21, 2019 (Report by John Scarborough)

B-4 Informational Report on Personnel Activity (Report by Wendy Silva)

B-5 Consideration of a Minute Order Confirming a Request for Restitution to Madera County Probation Department in the Amount of $12,266 for Costs Associated with Graffiti Removal (Report by Wendy Silva)

B-6 Consideration of a Minute Order Rejecting a Claim Filed by Robert Gonzalez (Report by Wendy Silva)

B-7 Consideration of a Resolution Approving Written Request by the Madera Sunrise Rotary Club 587 Seeking Council Approval to Cover Cost of Police and Public Works Fees of $2,823.00 in Conjunction with the Old Timers' Day Parade Scheduled to be Held on September 28, 2019 (Report by Dino Lawson)

B-8 Consideration of a Minute Order Authorizing Submittal of the Parade Entry Form and Authorizing the Mayor to Sign the Hold Harmless Agreement for Council Participation in the Old Timers' Day Parade Scheduled for September 28, 2019 (Report by Claudia Mendoza)

B-9 Consideration of a Resolution Approving an Aerial to Underground Conversion Agreement with Pacific Bell Telephone Company, DBA AT&T California, for the Olive Avenue

Widening Project and Authorizing Payment for Estimated Costs in the Amount of $107,999.56 (Report by Keith Helmuth)

B-10 Consideration of a Resolution Approving the Master Agreement Between the Madera County Transportation Commission and the City of Madera for the Fiscal Year 2018-2019 Allocation of Regional Surface Transportation Program Exchange Funding in the Amount of $797,111 (Report by Keith Helmuth)

B-11 Consideration of a Resolution Approving an Agreement with Municipal Solutions, LLC, for Interim Professional Management Services and Authorizing the City Manager to Execute Interim Assignment Exhibits As Needed for Individual Engagements (Report by Wendy Silva)

B-12 Consideration of the Block Grant Commission (BGC) Revised Allocations and Adoption of Resolutions Approving 2019/2020 Community Development Block Grant (CDBG) Action Plan Agreements with Subrecipients for Services, Totaling $663,004, as Follows:

A. The Madera Rescue Mission to Provide Services to Homeless Persons ($30,000)
B. Big Brothers Big Sisters of Central California for the High School Bigs Program ($10,000) (Report by Ivette Iraheta)
C. Doors of Hope to Provide Services for Pregnancy Care Center to Provide Counseling and Parent Education ($10,000)
D. Pequeños Empresarios to Provide Early Childhood Mentoring in Work, Life, Nutrition, Finance and Environmental Awareness ($10,000)
E. Habitat for Humanity to Provide Low- to Moderate-Income Owner-Occupied Residential Rehabilitation ($181,500)
F. The City of Madera Engineering Department to Provide Sidewalk Improvements on Lilly Street and Vineyard Avenue ($103,615)
G. The City of Madera Engineering Department to Provide Sidewalk Improvements on Maple Street, Stadium Road, Monterey Street and Santa Cruz Street ($317,889)

B-13 Consideration of a Resolution Approving Fiscal Year 2018/2019 Budget Amendments in the Transportation Budgets as follows: (Report by Ivette Iraheta)

A. Increase Dial-a-Ride Contracted Services Appropriation by $50,000, to Cover Costs Associated with Operations of the Dial-A-Ride Services
B. Increase Fixed Route Contracted Services Appropriations by $100,000 to Cover Costs Associated with Providing Fixed-Route Services Including Expansion to Madera Community College Center

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Public Hearing and Consideration of a Resolution Adopting the 2018 Madera County Integrated Regional Water Management Plan (IRWMP) Proposition 1 Update (Report by Keith Helmuth)

C-2 Consideration of a Resolution Approving the Award for Sunset Ave Sidewalk and Safety Improvements Pine Street to Double Tree Way, Federal Project No. HSIPL – 5157 (111), City Project No. R-66 (RE-BID), in the Amount of $408,341.05 to Clean Cut Landscape, Inc., and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

C-3 Consideration of a Resolution Approving an At-Will Employment Agreement with Alicia Gonzales to Serve as City Clerk of the City of Madera (Report by Wendy Silva)

D. WRITTEN COMMUNICATIONS

There are no items for this section.

E. ADMINISTRATIVE REPORTS

There are no items for this section.

F. COUNCIL REPORTS

There are no items for this section.

G. **CLOSED SESSION**

G-1 Closed Session Announcement – City Attorney

G-2 Conference with Labor Negotiators pursuant to Government Code §54957.6
Agency Designated Representatives: Arnoldo Rodriguez, Wendy Silva, & Che Johnson

Employee Organizations: General Bargaining Unit
Madera Police Officers' Association
Mid-Management Employee Group
Law Enforcement Mid-Management Group

G-3 Conference with Legal Counsel – Existing Litigation. Subdivision (d)(1) of Government Code §54956.9
One Case: Frank Loduca v. City of Madera

G-4 Conference with Legal Counsel – Anticipated Litigation: Significant Exposure to Litigation Pursuant to Government Code §54956.9(d)(2)
One Case

G-5 Conference with Real Property Negotiators-Pursuant to Government Code § 54956.8
Property: 1 Parcel
City of Madera: APN: 012-043-003
Agency Negotiators: Keith Helmuth, Christian Bach
Negotiating Party: Gus' Food Locker, A Partnership of Augustine Sambueso, Jr and Donald Sambueso
Under Negotiations: Price and Terms

G-6 Closed Session Report – City Attorney

ADJOURNMENT – Next regular meeting August 21, 2019

- Please silence or turn off cell phones and electronic devices while the meeting is in session.

- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.

- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.

- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy-two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.

- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.

- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Claudia Mendoza, Interim City Clerk for the City of Madera, declare under penalty of perjury that I posted the above agenda for the Regular Meeting of the Madera City Council for August 7, 2019, near the front entrances of City Hall and on the City's website www.madera.gov at 9:00 p.m. on August 1, 2019.

Claudia Mendoza
_____
Claudia Mendoza, Interim City Clerk

APPENDIX 6.D. GROUNDWATER MODEL DOCUMENTATION

Prepared as part of the

Joint Groundwater Sustainability Plan
Madera Subbasin

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

TABLE OF CONTENTS

1 INTRODUCTION A6.D-1
1.1 Background A6.D-1
1.2 Objectives and Approach A6.D-1
1.3 Report Organization A6.D-2
2 MODEL CODE AND PLATFORM A6.D-3
2.1 Integrated Water Flow Model A6.D-3
2.1.1 IWFM Demand Calculator A6.D-3
2.2 C2VSim-Fine Grid A6.D-3
3 GROUNDWATER FLOW MODEL DEVELOPMENT A6.D-4
3.1 MCSim – Historical Model A6.D-4
3.1.1 Model Grid A6.D-4
3.1.2 Land Surface System A6.D-7
3.1.3 Surface Water System A6.D-9
3.1.4 Groundwater System A6.D-12
3.1.5 Small Watersheds A6.D-15
3.1.6 Initial Conditions A6.D-15
3.2 Model Calibration A6.D-15
3.3 MCSim – Projected Model A6.D-16
3.3.1 Projected Hydrology A6.D-16
3.3.2 Projected Future Scenarios A6.D-18
3.3.3 Land Surface System A6.D-19
3.3.4 Surface Water System A6.D-21
3.3.5 Groundwater System A6.D-28
3.3.6 Initial Conditions A6.D-29
4 GROUNDWATER FLOW MODEL RESULTS A6.D-30
4.1 Aquifer Parameters A6.D-30
4.1.1 Hydraulic Conductivity A6.D-30
4.1.2 Storage Coefficients A6.D-30
4.1.3 Groundwater Levels A6.D-31
4.1.4 Stream Flow A6.D-32

4.1.5 Groundwater Pumping A6.D-33
4.2 Water Budget A6.D-33
4.2.1 Historical Period, 1989-2015 ..... A6.D-33
4.2.2 Implementation Period, 2020-2039 ..... A6.D-35
4.2.3 Sustainability Period, 2040-2090 ..... A6.D-37
5 MODEL UNCERTAINTY AND LIMITATIONS A6.D-40
6 CONCLUSIONS AND RECOMMENDATIONS A6.D-41
6.1 Conclusions A6.D-41
6.2 Recommendations A6.D-41
7 REFERENCES A6.D-43

LIST OF APPENDICES

Appendix A6.D-A Delivery Locations for Surface Water Diversions and Project Diversions
Appendix A6.D-B Groundwater Elevation Calibration Hydrographs
Appendix A6.D- C Streamflow Calibration Hydrographs
Appendix A6.D-D Water Budget Results
Appendix A6.D-E Groundwater Elevation Hydrographs for Projected Future Scenarios

LIST OF TABLES

Table A6.D-3-1 MCSim Grid Characteristics
Table A6.D-3-2 Model Subregions within MCSim
Table A6.D-3-3 Weather Data Time Series Summary
Table A6.D-3-4 Summary of Historical Surface Water Inflows Development
Table A6.D-3-5 Summary of Historical Surface Water Diversions Development
Table A6.D-3-6 Summary of Historical Surface Water Bypasses Development
Table A6.D-3-7 Summary of Small Watersheds
Table A6.D-3-8 Summary of Projected Water Years
Table A6.D-3-9 Summary of Projected Future Scenarios
Table A6.D-3-10 Development of Projected Future Land Surface Process Components
Table A6.D-3-11 Additional Land Use Changes by GSA
Table A6.D-3-12 Development of Projected Future Surface Water System Components
Table A6.D-3-13 Summary of Projected Projects by GSA
Table A6.D-4-1 Summary of Calibrated Aquifer Parameter Values
Table A6.D-4-2 Summary of Residual Average Annual Stream Seepage
Table A6.D-4-3 Summary of Historical and Projected Groundwater Pumping in MCSim

LIST OF FIGURES

(Figure titles that are bolded can be found at the end of this document)

Figure A6.D-3-1 **MCSim Model Grid**
Figure A6.D-3-2 **Modified Nodes and Elements in MCSim**
Figure A6.D-3-3 **Subregions in MCSim**
Figure A6.D-3-4 **MCSim Stream Network**
Figure A6.D-3-5 **Elevation of The Top of Layer 1**
Figure A6.D-3-6 **Elevation of The Top of Layer 2 Aquitard, A-Clay**
Figure A6.D-3-7 **Elevation of The Top of Layer 2**
Figure A6.D-3-8 **Elevation of The Top of Layer 3 Aquitard, C-Clay**
Figure A6.D-3-9 **Elevation of The Top of Layer 3**
Figure A6.D-3-10 **Elevation of The Top of Layer 4 Aquitard, Corcoran Clay**
Figure A6.D-3-11 **Elevation of The Top of Layer 4**
Figure A6.D-3-12 **Elevation of The Top of Layer 5**
Figure A6.D-3-13 **Elevation of The Top of Layer 6**
Figure A6.D-3-14 **Elevation of The Top of Layer 7**
Figure A6.D-3-15 **Elevation of the Bottom of Layer 7**
Figure A6.D-3-16 **Thickness of Layer 1**
Figure A6.D-3-17 **Thickness of Layer 2 Aquitard**
Figure A6.D-3-18 **Thickness of Layer 2**
Figure A6.D-3-19 **Thickness of Layer 3 Aquitard**
Figure A6.D-3-20 **Thickness of Layer 3**
Figure A6.D-3-21 **Thickness of Layer 4 Aquitard**
Figure A6.D-3-22 **Thickness of Layer 4**
Figure A6.D-3-23 **Thickness of Layer 5**
Figure A6.D-3-24 **Thickness of Layer 6**
Figure A6.D-3-25 **Thickness of Layer 7**
Figure A6.D-3-26 **Surface Water Inflow Locations**
Figure A6.D-3-27 **Historical Surface Water Diversion Locations**
Figure A6.D-3-28 **Historical Surface Water Bypass Locations**
Figure A6.D-3-29 **Results from the 500-by-500-foot indicator kriging model**
Figure A6.D-3-30 **Vertical Distribution of Historical Agricultural Pumping - Layer 1**
Figure A6.D-3-31 **Vertical Distribution of Historical Agricultural Pumping - Layer 2**
Figure A6.D-3-32 **Vertical Distribution of Historical Agricultural Pumping - Layer 3**
Figure A6.D-3-33 **Vertical Distribution of Historical Agricultural Pumping - Layer 4**
Figure A6.D-3-34 **Vertical Distribution of Historical Agricultural Pumping - Layer 5**
Figure A6.D-3-35 **Vertical Distribution of Historical Agricultural Pumping - Layer 6**
Figure A6.D-3-36 **Vertical Distribution of Historical Agricultural Pumping - Layer 7**
Figure A6.D-3-37 **Vertical Distribution of Historical Urban Pumping - Layer 1**
Figure A6.D-3-38 **Vertical Distribution of Historical Urban Pumping - Layer 2**
Figure A6.D-3-39 **Vertical Distribution of Historical Urban Pumping - Layer 3**
Figure A6.D-3-40 **Vertical Distribution of Historical Urban Pumping - Layer 4**
Figure A6.D-3-41 **Vertical Distribution of Historical Urban Pumping - Layer 5**
Figure A6.D-3-42 **Vertical Distribution of Historical Urban Pumping - Layer 6**
Figure A6.D-3-43 **Vertical Distribution of Historical Urban Pumping - Layer 7**
Figure A6.D-3-44 **Small Watersheds in MCSim**

Figure A6.D-3-45 Historical Initial Groundwater Heads - Layer 1
Figure A6.D-3-46 Historical Initial Groundwater Heads - Layer 2
Figure A6.D-3-47 Historical Initial Groundwater Heads - Layer 3
Figure A6.D-3-48 Historical Initial Groundwater Heads - Layer 4
Figure A6.D-3-49 Historical Initial Groundwater Heads - Layer 5
Figure A6.D-3-50 Historical Initial Groundwater Heads - Layer 6
Figure A6.D-3-51 Historical Initial Groundwater Heads - Layer 7
Figure A6.D-3-52 Map of Groundwater Level Calibration Wells
Figure A6.D-3-53 Projected Projects Diversion Locations
Figure A6.D-3-54 Vertical Distribution of Projected Agricultural Pumping - Layer 1
Figure A6.D-3-55 Vertical Distribution of Projected Agricultural Pumping - Layer 2
Figure A6.D-3-56 Vertical Distribution of Projected Agricultural Pumping - Layer 3
Figure A6.D-3-57 Vertical Distribution of Projected Agricultural Pumping - Layer 4
Figure A6.D-3-58 Vertical Distribution of Projected Agricultural Pumping - Layer 5
Figure A6.D-3-59 Vertical Distribution of Projected Agricultural Pumping - Layer 6
Figure A6.D-3-60 Vertical Distribution of Projected Agricultural Pumping - Layer 7
Figure A6.D-3-61 Vertical Distribution of Projected Urban Pumping - Layer 1
Figure A6.D-3-62 Vertical Distribution of Projected Urban Pumping - Layer 2
Figure A6.D-3-63 Vertical Distribution of Projected Urban Pumping - Layer 3
Figure A6.D-3-64 Vertical Distribution of Projected Urban Pumping - Layer 4
Figure A6.D-3-65 Vertical Distribution of Projected Urban Pumping - Layer 5
Figure A6.D-3-66 Vertical Distribution of Projected Urban Pumping - Layer 6
Figure A6.D-3-67 Vertical Distribution of Projected Urban Pumping - Layer 7
Figure A6.D-3-68 Projected Initial Groundwater Heads - Layer 1
Figure A6.D-3-69 Projected Initial Groundwater Heads - Layer 2
Figure A6.D-3-70 Projected Initial Groundwater Heads - Layer 3
Figure A6.D-3-71 Projected Initial Groundwater Heads - Layer 4
Figure A6.D-3-72 Projected Initial Groundwater Heads - Layer 5
Figure A6.D-3-73 Projected Initial Groundwater Heads - Layer 6
Figure A6.D-3-74 Projected Initial Groundwater Heads - Layer 7
Figure A6.D-4-1 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 1
Figure A6.D-4-2 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 2
Figure A6.D-4-3 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 3
Figure A6.D-4-4 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 4
Figure A6.D-4-5 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 5
Figure A6.D-4-6 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 6
Figure A6.D-4-7 Calibrated Horizontal Hydraulic Conductivity (Kh) - Layer 7
Figure A6.D-4-8 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 1
Figure A6.D-4-9 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 2 Aquitard
Figure A6.D-4-10 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 2
Figure A6.D-4-11 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 3 Aquitard
Figure A6.D-4-12 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 3
Figure A6.D-4-13 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 4 Aquitard
Figure A6.D-4-14 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 4
Figure A6.D-4-15 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 5
Figure A6.D-4-16 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 6
Figure A6.D-4-17 Calibrated Vertical Hydraulic Conductivity (Kv) - Layer 7
Figure A6.D-4-18 Calibrated Specific Yield (Sy) - Layer 1

Figure A6.D-4-19 Calibrated Specific Yield (Sy) - Layer 2
Figure A6.D-4-20 Calibrated Specific Yield (Sy) - Layer 3
Figure A6.D-4-21 Calibrated Specific Yield (Sy) - Layer 4
Figure A6.D-4-22 Calibrated Specific Yield (Sy) - Layer 5
Figure A6.D-4-23 Calibrated Specific Yield (Sy) - Layer 6
Figure A6.D-4-24 Calibrated Specific Yield (Sy) - Layer 7
Figure A6.D-4-25 Calibrated Specific Storage (SS) - Layer 1
Figure A6.D-4-26 Calibrated Specific Storage (SS) - Layer 2
Figure A6.D-4-27 Calibrated Specific Storage (SS) - Layer 3
Figure A6.D-4-28 Calibrated Specific Storage (SS) - Layer 4
Figure A6.D-4-29 Calibrated Specific Storage (SS) - Layer 5
Figure A6.D-4-30 Calibrated Specific Storage (SS) - Layer 6
Figure A6.D-4-31 Calibrated Specific Storage (SS) - Layer 7
Figure A6.D-4-32 Histogram of Residual (Simulated minus Observed) Groundwater Elevations for All Observations
Figure A6.D-4-33 Histogram of Average Residual (Simulated minus Observed) Groundwater Elevation by Well
Figure A6.D-4-34 Simulated vs. Observed Groundwater Elevations, By Layer
Figure A6.D-4-35 Residual (Simulated minus Observed) vs. Observed Groundwater Elevations, By Layer
Figure A6.D-4-36 Average Residual Groundwater Elevation by Calibration Well
Figure A6.D-4-37 Average Residual Groundwater Elevation by Model Layer
Figure A6.D-4-38 Map of Streamflow Calibration Points

LIST OF ABBREVIATIONS

3D	Three-Dimensional
AF	Acre-Feet
AN	Above Normal
BMP	Best Management Practice
BN	Below Normal
C	Critical
C2VSim	California Central Valley Groundwater-Surface Water Simulation Model
C2VSim-CG	California Central Valley Groundwater-Surface Water Simulation Model – Coarse Grid
C2VSim-FG Beta2	California Central Valley Groundwater-Surface Water Simulation Model – Fine Grid
CDEC	California Data Exchange Center
CIMIS	California Irrigation Management Information System
CVHM	Central Valley Hydrologic Model
CVP	Central Valley Project
CWD	Chowchilla Water District
D	Dry
DWR	California Department of Water Resources
ET	Evapotranspiration
ET_a	Actual ET
ET_c	Crop ET
ET_o	Grass Reference ET
ET_r	Alfalfa Reference ET
ET_{ref}	Reference Crop Evapotranspiration
eWRIMS	SWRCB Electronic Water Rights Information Management System
ft/d	Feet Per Day
GDE	Groundwater Dependent Ecosystem
GFWD	Gravelly Ford Water District
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GWS	Groundwater System
HCM	Hydrogeologic Conceptual Model
IDC	Integrated Water Flow Model Demand Calculator
IWFM	Integrated Water Flow Model
Kh	Horizontal Hydraulic Conductivity
Kv	Vertical Hydraulic Conductivity
MA	Management Area
MC	Madera County
MCSim	Madera-Chowchilla Groundwater-Surface Water Simulation Model
MID	Madera Irrigation District
Model	Numerical Groundwater Flow Model
MWD	Madera Water District
NOAA NCEI	National Oceanic and Atmospheric Administration National Centers for Environmental Information
NRCS	United States Department of Agriculture Natural Resources Conservation Service

PM	Penman-Monteith
PRISM	Parameter Elevation Regression on Independent Slopes Model
RCWD	Root Creek Water District
SEBAL	Surface Energy Balance Algorithm for Land
SGMA	Sustainable Groundwater Management Act of 2014
SJRRP	San Joaquin River Restoration Program
SLDMWA	San Luis & Delta-Mendota Water Authority
SS	Specific Storage
SVMWC	Sierra Vista Mutual Water Company
SWP	State Water Project
SWRCB	State Water Resources Control Board
SWS	Surface Water System
Sy	Specific Yield
T-ProGS	Transition Probability Geostatistical Software
TTWD	Triangle T Water District
USACE	United States Army Corps of Engineers
USBR	United States Bureau of Reclamation
USGS	United States Geological Survey
W	Wet
WCR	Well Completion Report

1 INTRODUCTION

This report documents the development and calibration of the Madera-Chowchilla Groundwater-Surface Water Simulation Model (MCSim), a numerical groundwater flow model developed for the Madera and Chowchilla Subbasin areas to support preparation of Groundwater Sustainability Plans (GSPs) for both subbasins along with other future potential groundwater management and planning needs. This report includes a summary of the model platform, data sources, model development and calibration, and calibration results.

1.1 Background

To support preparation of GSPs for the Madera and Chowchilla Subbasins, four Groundwater Sustainability Agencies (GSAs) in the Madera Subbasin (Madera County, Madera Irrigation District, Madera Water District and City of Madera) and all GSAs in the Chowchilla Subbasin (Chowchilla Water District, Madera County, Triangle T Water District, and Sierra Vista Mutual Water Company) elected to pursue development of a numerical groundwater flow model to be able to satisfy GSP regulations requiring use of a numerical groundwater model, or equally effective approach, to evaluate projected water budget conditions and potential impacts to groundwater conditions and users from the GSP implementation. The development of MCSim is intended to support groundwater resources management activities associated with GSP development and implementation. MCSim utilizes data and the hydrogeologic conceptualization that are presented and described in the GSPs for the Madera and Chowchilla Subbasins and also incorporates data assembled as part of Data Collection and Analysis Reports prepared for both subbasins (DE & LSCE, 2017a; and DE & LSCE, 2017b) to improve the understanding of hydrologic processes and their relationship to key sustainability metrics within the Chowchilla and Madera Subbasins. MCSim provides a platform to evaluate potential outcomes and impacts from future management actions, projects, and adaptive management strategies through predictive modeling scenarios.

1.2 Objectives and Approach

Numerical groundwater models are structured tools developed to represent the physical basin setting and simulate groundwater flow processes by integrating a multitude of data (e.g. lithology, groundwater levels, surface water features, groundwater pumping, etc.) that compose the conceptualization of the natural geologic and hydrogeologic environment. MCSim was developed in a manner consistent with the Modeling Best Management Practices (BMP) guidance document prepared by the California Department of Water Resources (DWR) (DWR, 2016). The objective of MCSim is to simulate hydrologic processes and effectively estimate historical and projected future hydrologic conditions in the Chowchilla and Madera Subbasins related to groundwater dependent ecosystems (GDEs) and SGMA sustainability indicators relevant to the Chowchilla and Madera Subbasins including:

1. Lowering of Groundwater Levels
2. Reduction of Groundwater Storage
3. Depletion of Interconnected Surface Water

The development of MCSim involved starting with and evaluating the beta version (released 5/1/2018) of DWR's fine-grid version of the California Central Valley Groundwater-Surface Water Flow Model (C2VSim-FG Beta2) and eventually carving out a local model domain and conducting local refinements to the model structure (e.g., nodes, elements) and modifying or replacing inputs as needed to sufficiently and accurately simulate local conditions in the Madera and Chowchilla Subbasin areas within the model

domain. C2VSim-FG Beta2 utilizes the most current version of the Integrated Water Flow Model (IWFM) code available at the time of the MCSim development. IWFM and C2VSim-FG Beta2 were selected as the modeling platform due to the versatility in simulating crop-water demands in the predominantly agricultural setting of the subbasins, groundwater surface-water interaction, the existing hydrologic inputs existing in the model for the time period through the end of water year 2015, and the ability to customize the existing C2VSim-FG Beta2 model to be more representative of local conditions in the area of the Madera and Chowchilla Subbasins. MCSim was refined from C2VSim-FG Beta2 and calibrated to a diverse set of available historical data using industry standard techniques. The version of the IWFM model code available at the time of MCSim development does not have the capability of directly simulating land subsidence or solute transport (groundwater quality), which are two additional sustainability indicators relevant to the Madera and Chowchilla Subbasins.

1.3 Report Organization

This report is organized into the following sections:

- Section 2: Model Code and Platform
- Section 3: Groundwater Flow Model Development
- Section 4: Groundwater Flow Model Results
- Section 5: Model Uncertainty and Limitations
- Section 6: Conclusions and Recommendations
- Section 7: References

2 MODEL CODE AND PLATFORM

The modeling code and platform utilized for MCSim are described below. As required by GSP regulations, the selected model code is in the public domain. The decision to select the model codes for the MCSim was based on providing Madera County with a modeling tool that can be used for GSP development with sufficient representation of local conditions, while utilizing to the extent possible, previous modeling tools available, including regional models. With this objective in mind, the model tools and platforms described below were determined to be most suitable for adaptation for use in GSP analyses.

2.1 Integrated Water Flow Model

IWFM is a quasi three-dimensional finite element modeling software that simulates groundwater, surface water, groundwater-surface water interaction, as well as other components of the hydrologic system (Dogrul et al., 2017). MCSim is developed using the IWFM Version 2015 (IWFM-2015) code, which couples a three-dimensional finite element groundwater simulation process with one-dimensional land surface, river, lake, unsaturated zone and small-stream watershed processes (Brush et al., 2016). A key feature of IWFM-2015 is its capability to simulate the water demand as a function of different land use and crop types, and compare it to the historical or projected amount of water supply (Dogrul et al., 2017). IWFM uses a model layering structure in which model layers represent aquifer zones that are assigned aquifer properties relating to both horizontal and vertical groundwater movement (e.g., horizontal and vertical hydraulic conductivity) and storage characteristics (e.g., specific yield, specific storage) with the option to associate an aquitard to each layer, although represented aquitards are assigned a more limited set of properties relating primarily to their role in vertical flow (e.g., vertical hydraulic conductivity).

The IWFM-2015 source code and additional information and documentation relating to the IWFM-2015 code is available from DWR at the link below:

http://baydeltaoffice.water.ca.gov/modeling/hydrology/IWFM/IWFM-2015/v2015_0_630/index_v2015_0_630.cfm

2.1.1 IWFM Demand Calculator

IWFM includes a stand-alone Integrated Water Flow Model Demand Calculator (IDC) that calculates water demands. Agricultural water demands are calculated in IDC based on climate, land use, soil properties, and irrigation method whereas urban demands are calculated based on population and per-capita water use. MCSim utilizes IDC to simulate root zone processes and water demands. The physically based IDC version 2015.0.0036 (DWR, 2015) is developed and maintained by DWR.

2.2 C2VSim-Fine Grid

The C2VSim-FG Beta2 model utilizes the IWFM-2015 code and represents a refinement of the previous C2VSim-Coarse Grid (C2VSim-CG) model. Refinements made in the development of C2VSim-FG Beta2 include a finer horizontal discretization, an updated aquifer layering scheme, updated precipitation data, and an extended simulation period through water year 2015 (DWR, 2018). C2VSim-CG had an average element size of approximately 15 square miles and the average element size for C2VSimFG Beta2 is about 0.6 square miles. The C2VSimFG Beta2 version available from DWR at the time of the initiation of modeling efforts to support GSP preparation in the Madera and Chowchilla, was not a calibrated model version. As of the date of this report (August 2019), a calibrated version of C2VSim-FG was not available.

3 GROUNDWATER FLOW MODEL DEVELOPMENT

This section describes the spatial and temporal (time-series) structure of the model and the input data that was utilized for model development. The model development process utilized data and information that was available at the time of model development and is described in greater detail in the GSP and previous Data Collection and Analysis reports (DE & LSCE, 2017a for Chowchilla, and DE & LSCE, 2017b for Madera).

3.1 MCSim – Historical Model

The MCSim historical model simulates the period from October 1985 through September 2015 at a monthly time step, with a calibration period of October 1988 through September 2015. Annual model time periods are based on water years defined as October 1 through September 30. The historical calibration model period extends from water years 1989 through 2015. Water years 1986 through 1988 are not included as part of the historical calibration period, but are simulated to allow the model some time to adjust to the specified initial conditions and spin-up prior to the calibration period starting in October 1988.

3.1.1 Model Grid

The MCSim grid was carved out of the regional C2VSim-FG Beta2 model domain. While MCSim focuses on the Chowchilla and Madera Subbasins, the model domain was extended outside the two subbasins to incorporate a buffer zone including area within the Merced, Delta-Mendota, and Kings Subbasins. The extent of the buffer zone was determined, using the C2VSimFG Beta2 regional model, by simulating pumping wells along the boundary of the Chowchilla and Madera Subbasins to determine the distance to a one-foot drawdown of groundwater levels. This MCSim domain was delineated with consideration of these drawdown distances (typically 5-10 miles from Chowchilla and Madera Subbasin boundaries). The MCSim domain, shown in **Figure A6.D-3-1**, encompasses a total of 847,624 acres. All C2VSim-FG Beta2 model features (e.g., nodes, elements, streams, layers) within this domain were initially included in MCSim with subsequent modifications and refinements made within MCSim to these model components, as described in this report.

3.1.1.1 Nodes and Elements

The MCSim grid contains 2,458 nodes and 2,632 elements (**Figure A6.D-3-1**). The X-Y coordinates for node locations are presented in the UTM Zone 10N, NAD83 (meters) projected coordinate system. While the number of nodes and elements within the MCSim domain were not altered from C2VSim-FG Beta2, the locations of some nodes and elements were modified to more accurately align with subbasin boundaries and streams. **Figure A6.D-3-2** highlights the modified nodes and elements in MCSim. Table A6.D-3-1 presents MCSim grid characteristics.

Table A6.D-3-1. MCSim grid characteristics.

Nodes	2,458
Elements	2,632
Average Element Size (acres)	322
Minimum Element Size (acres)	10
Maximum Element Size (acres)	1,486
Subregions	16
Aquifer Layers	7
Aquitard Layers	3

3.1.1.2 Subregions

Model elements are grouped into subregions to assist in the summarization of model results and development of water budgets. MCSim includes 16 subregions (listed in Table A6.D-3-2). Subregions were delineated by subbasin, and also by GSA within the Chowchilla and Madera Subbasins. While subregions are used as the basis for summarizing model results, the model simulates hydrologic processes and conditions at the resolution of elements or nodes. **Figure A6.D-3-3** shows the delineation of subregions included within MCSim.

Table A6.D-3-2. Model Subregions within MCSim.

Subregion	Subbasin	GSA
1	Chowchilla	Chowchilla Water District
2	Chowchilla	Madera County - East
3	Chowchilla	Madera County - West
4	Chowchilla	Sierra Vista MWC - Madera County
5	Chowchilla	Sierra Vista MWC - Merced County
6	Chowchilla	Triangle T Water District
7	Madera	City of Madera
8	Madera	Madera County
9	Madera	Gravelly Ford Water District
10	Madera	Madera Irrigation District
11	Madera	Madera Water District
12	Madera	New Stone Water District
13	Madera	Root Creek Water District
14	Merced	
15	Delta-Mendota	
16	Kings	

3.1.1.3 Streams

MCSim includes 35 stream reaches composed of 657 stream nodes. Streams that were adapted from existing streams simulated in C2VSimFG Beta2 include Chowchilla River, Deadman's Creek, East Side Bypass/Chowchilla Bypass, Fresno River, Fresno Slough, and San Joaquin River. Some of the stream nodes were shifted to better align with the actual stream configuration. Streams added to MCSim that were not included in C2VSimFG Beta2 include Ash Slough, Berenda Creek, Berenda Slough, Cottonwood Creek, Dry Creek, Dutchman Creek, and Madera Canal. The stream network included in MCSim is shown in **Figure A6.D-3-4**.

3.1.1.4 Model Layers

A major modification in the adaptation of the C2VSim-FG Beta2 model for MCSim purposes was the refinement of the representation of the aquifer system through model layering. Within the MCSim domain, C2VSim-FG Beta2 delineates three aquifer layers and one aquitard layer; MCSim was refined to include seven aquifer layers and three aquitard layers corresponding with key hydrogeologic features identified in the Hydrogeologic Conceptual Model (HCM) for the subbasins. The aquifer system within MCSim is broken down into the Upper Aquifer (layer 1 through 3), the Lower Aquifer (layers 4 through 6), and a buffer layer (layer 7). The E-Clay unit (Corcoran Clay) of the Tulare Formation separates the Upper and Lower Aquifers, where present. Other less extensive clay units (e.g., A-Clay, C-Clay) of the Tulare Formation also exist in the area and were explicitly incorporated into the model as discrete model features (aquitard layers) or implicitly through assignment of hydraulic properties based on sediment texture as described below in section 3.1.4.1.

The Upper Aquifer is generally unconfined, except where the A-Clay and/or C-Clay are present. The top of the aquifer system is defined by the land surface. In general, Layer 1 extends approximately 50 feet below ground surface, or to the top of the A-Clay, where present. The A-Clay is included as the Layer 2 aquitard overlying the Layer 2 aquifer. The Layer 2 aquifer extends from the base of the A-Clay, where present, to the top of the C-Clay (or other comparable shallow clays), where present. The C-Clay is included as the Layer 3 aquitard overlying the Layer 3 aquifer. The Layer 3 aquifer extends from the base of the C-Clay, where present, to the top of the E-Clay (Corcoran Clay), where present. Where aquitard(s) are not present in the Upper Aquifer, the remaining Upper Aquifer thickness below Layer 1 is divided evenly between Layers 2 and 3.

The Corcoran Clay is modeled as the Layer 4 aquitard. This aquitard layer separates the Upper Aquifer from the Lower Aquifer. The depth, thickness, and extent of the Corcoran Clay is consistent with C2VSim-FG Beta2, and is based on mapping of the Corcoran Clay by Page (1986). Where the Corcoran Clay is not present, the below ground surface to the nearest occurrence of the Corcoran Clay was used to delineate the Upper and Lower aquifers.

The Lower Aquifer is confined where the Corcoran Clay is present, and is considered semi-confined outside of the Corcoran Clay extent. The thicknesses of the Layer 4 aquifer and Layers 5, and 6 are delineated as equal percentages (approximately 33 percent) of the total Lower Aquifer thickness to the base of freshwater. The base of the Lower Aquifer was generally kept consistent with the base of the Lower Aquifer in C2VSim-FG Beta2 model, but some modifications were made in MCSim to better align the base of the Lower Aquifer with the base of freshwater (Page, 1973).

Layer 7 extends from the base of freshwater to the base of continental deposits (Williamson et al., 1989) and is considered a buffer layer. Though included in MCSim, Layer 7, although simulated in the model, is treated as a low-conductivity zone below the base of freshwater and below the zone of any groundwater

pumping. Layer 7 was preserved in MCSim, with an overall model thickness equal to that of C2VSim-FG Beta2.

Elevations and thicknesses of MCSim aquifer and aquitard layers are shown in **Figures A6.D-3-5** through **A6.D-3-25**.

3.1.2 Land Surface System

The IWFM Land Surface Process, which includes the IDC, calculates a water budget for four land use categories: non-ponded agricultural crops, ponded agricultural crops (i.e., rice), native and riparian vegetation, and urban areas. The Land Surface Process calculates water demand at the surface, allocates water to meet demands, and routes excess water through the root zone (Brush et al., 2016). The development of land surface system input files is explained in this section.

3.1.2.1 Precipitation

Monthly precipitation time series data for water years 1922 through 2015 was extracted from C2VSim-FG Beta2. Precipitation rates were extracted for all elements and small watersheds included within MCSim. Precipitation data within both C2VSim-FG Beta2 and MCSim is based on Parameter Elevation Regression on Independent Slopes Model (PRISM) by the PRISM Climate Group at Oregon State University.

3.1.2.2 Evapotranspiration

Monthly evapotranspiration (ET) time series data was refined for water years 1973 through 2015. ET rates were developed for individual crop types and were refined based on observed data, as described in this section.

Weather Data

Weather data were obtained from the California Irrigation Management Information System (CIMIS) and National Oceanic and Atmospheric Administration National Centers for Environmental Information (NOAA NCEI). Table A6.D-3-3 lists the stations and periods of record used for each station.

Table A6.D-3-3. Weather Data Time Series Summary.

Weather Station	Station Type	Start Date	End Date	Comment
Fresno State	CIMIS	Oct. 2, 1988	May 12, 1998	Used before Madera CIMIS station was installed.
Madera	CIMIS	May 13, 1998	Apr. 2, 2013	Moved eastward 2 miles in 2013 and renamed “Madera II.”
Madera II	CIMIS	Apr. 3, 2013	Dec. 31, 2015	
Madera	NOAA NCEI	Jan. 1, 1928	Dec. 31, 2017	Used for developing ET_{ref} timeseries for projected water budget period before CIMIS station data was available.

Daily time series data were evaluated following the quality control procedures described in the Chowchilla Subbasin GSP Appendix 2.F.f. to develop daily reference crop evapotranspiration (ET_{ref}) and precipitation records for both the Chowchilla and Madera Subbasins during the historical and projected water budget periods.

Reference Evapotranspiration Development

Daily reference crop evapotranspiration (ET_{ref}) was determined following the widely accepted standardized Penman-Monteith (PM) method, as described by the ASCE Task Committee Report on the Standardized Reference Evapotranspiration Equation (ASCE-EWRI, 2005). The Task Committee Report standardizes the ASCE PM method for application to a full-cover alfalfa reference (ET_r) and to a clipped cool season grass reference (ET_o). The clipped cool season grass reference is widely used throughout California and was selected for this application. Daily ET_o values were calculated and provided as inputs to the IDC root zone model for simulating crop consumptive use requirements.

3.1.2.3 Land Use

To support water budget development for each Land Surface System water use sector, the IDC daily root zone water budget model was used to develop an accurate and consistent calculation of historical crop ET (ET_c) and other water budget components in the root zone. A daily root zone water budget is a generally accepted and widely used method to estimate effective rainfall (ASCE, 2016 and ASABE, 2007).

For developing the integrated Surface Water System (SWS) and Groundwater System (GWS) water budgets in the MCSim model, this daily IDC application was converted to a monthly application, recalibrated to equal monthly flows by each component in the SWS water budgets, and then integrated with MCSim. The IDC application thus served as the foundation for coupling the SWS water budget to the groundwater model used in GSP development.

IDC was used to develop time series estimates for the following water budget components:

- ET of applied water
- ET of precipitation
- Infiltration of applied water
- Infiltration of precipitation
- Uncollected surface runoff of applied water (estimated as negligible in the Chowchilla and Madera Subbasins)
- Uncollected surface runoff of precipitation
- Change in root zone storage

Details regarding the improved crop coefficients used by IDC for estimating ET are described in the Crop Water Use section below. Additional details regarding development of the full IDC root zone water budget, including major inputs, are provided in Chowchilla Subbasin GSP Appendix 2.F.g and Madera Subbasin GSP Appendix 2.H.h.

Crop Water Use (description of ET_c calculation by ET_o and crop coefficients; crop coefficient development using SEBAL)

The daily IDC root zone water budget application described above was used to develop an accurate and consistent calculation of historical ET_c using the widely accepted reference ET-crop coefficient method (ASCE, 2016). In this method, ET_o is adjusted to estimate ET_c of other crops using a crop coefficient unique to the individual crop type, growth characteristics, health, and other local conditions. Crop coefficients were derived from actual ET (ET_a) estimated by the Surface Energy Balance Algorithm for Land (SEBAL) for 2009. Remotely sensed energy balance ET results account for soil salinity, deficit irrigation, disease, poor plant stands, and other stress factors that affect crop ET. Studies by Bastiaanssen et al. (2005), Allen et al. (2007 and 2011), Thoreson et al. (2009) and others have found that when performed by an expert analyst, seasonal ET_a estimates produced by SEBAL are within plus or minus five percent of actual crop ET. For crops grown in the Chowchilla and Madera Subbasins, annual historical ET_c was computed for the IDC application using the quality controlled CIMIS ET_o and these local, remote sensing derived crop

coefficients. The aforementioned IDC root zone model parsed these ET_c estimates into the ET of applied water and ET of precipitation estimates used in the Chowchilla Subbasin and Madera Subbasin water budgets.

3.1.3 Surface Water System

The IWFM Surface Water Process calculates a water budget along each stream reach between inflows and outflows, including stream-groundwater interactions (Brush et al., 2016). A steady-state period was used during the early years of the MCSim simulation period. Data from water year 2000 was used as a proxy for an average hydrology and was used for water years 1985-1988 surface water inflows and diversions. The development of surface water system input files is explained in this section.

3.1.3.1 Stream Characteristics

Stream bed parameters were taken from C2VSim-FG Beta2 for those stream nodes extracted from the C2VSim-FG Beta2 regional model. For additional stream nodes in MCSim, stream bed parameters were developed through review of soil properties and stream characteristics. Stream bed parameters, particularly stream bed conductivity and wetted perimeter, were further refined during the calibration process.

3.1.3.2 Inflows

Surface water inflows into the model domain are specified in MCSim for 10 stream reaches. Stream inflow locations are shown in **Figure A6.D-3-26**. Deadman's Creek inflows were adapted from C2VSim-FG Beta2 inflow data. Fresno Slough inflows were generated in C2VSim-FG Beta2 by placing a stream flow hydrograph at the MCSim inflow node and using the resulting time series data for inflows to MCSim. Berenda Creek, Cottonwood Creek, and Dry Creek inflows were based off Madera Irrigation District (MID) Recorder data. Chowchilla River and Dutchman Creek inflows were developed from Chowchilla Water District (CWD) records. Fresno River, Madera Canal, and San Joaquin River inflows were based off of United States Geological Survey (USGS) gage data. More information regarding the development of surface inflow volumes is presented in Table A6.D-3-4.

Table A6.D-3-4. Summary of Historical Surface Water Inflows Development.

Waterway	Calculation/Estimation Technique	Information Sources
Berenda Creek	Calculated from MID recorder measurements adjusted upstream to the subbasin boundary for estimated seepage and evaporation	MID Recorder 13, USDA Natural Resources Conservation Service (NRCS) soil survey, Fresno State/Madera/Madera II CIMIS Stations
Chowchilla River	Reported Buchanan Dam irrigation and flood releases	United States Army Corps of Engineers (USACE) records, CWD records
Cottonwood Creek	Calculated from MID recorder measurements adjusted upstream to the subbasin boundary for estimated seepage and evaporation	MID Recorder 14, NRCS soil survey, Fresno State/Madera/Madera II CIMIS Stations
Deadman's Creek	n/a	From C2VSim-FG Beta2
Dry Creek	Estimated as equal to Berenda Creek recorder measurements adjusted upstream to the subbasin boundary for estimated seepage and evaporation	MID Recorder 13, NRCS soil survey, Fresno State/Madera/Madera II CIMIS Stations
Dutchman Creek	Estimated as equal to Received Legrand water reported by CWD	CWD monthly water supply reports

Waterway	Calculation/Estimation Technique	Information Sources
Berenda Creek	Calculated from MID recorder measurements adjusted upstream to the subbasin boundary for estimated seepage and evaporation	MID Recorder 13, USDA Natural Resources Conservation Service (NRCS) soil survey, Fresno State/Madera/Madera II CIMIS Stations
Fresno River	Estimated as equal to USGS measurement site along Fresno River below Hidden Dam	USGS Site 11258000 (FRESNO R BL HIDDEN DAM NR DAULTON CA)
Fresno Slough	Extracted streamflow hydrograph at inflow point from C2VSim-FG Beta2 regional model	From C2VSim-FG Beta2
Madera Canal	Estimated as equal to USGS measurement site along Madera Canal near Friant	USGS Site 11249500 (MADERA CN A FRIANT CA)
San Joaquin River	Estimated as equal to USGS measurement site along San Joaquin River below Friant Dam	USGS Site 11251000 (SAN JOAQUIN R BL FRIANT CA)

3.1.3.3 Surface Water Diversions and Deliveries

Surface water diversions and deliveries are simulated in the model as diversions from a stream node with an assigned delivery destination (element group). A total of 65 surface water diversions are included in MCSim, with 18 adapted from C2VSim-FG Beta2 and 47 added to MCSim. Of the 47 additional MCSim diversions, 24 are agricultural diversions to CWD, Gravelly Ford Water District (GFWD), MID, Madera Water District (MWD), and Root Creek Water District (RCWD), and 23 are riparian diversions that are applied in Madera County (MC), MC-East, MC-West, MID, RCWD, Sierra Vista Mutual Water Company (SVMWC), and Triangle T Water District (TTWD). Diversion locations are shown in **Figure A6.D-3-27**. Diversion volumes adapted from C2VSim-FG Beta2 were adjusted fractionally based on the percentage of the original C2VSim-FG Beta2 delivery location included within the MCSim domain. These diversions occur primarily outside of the Chowchilla and Madera subbasins, but within the MCSim domain. Diversion volumes for the additional MCSim diversions were based on data reported by the United States Bureau of Reclamation (USBR), the State Water Resources Control Board (SWRCB), and local GSAs. More information regarding the development of diversion volumes is presented in Table A6.D-3-5.

Losses associated with surface water deliveries are defined as fractions of each surface water diversion within MCSim and remain constant throughout the simulation period. Recoverable losses occur as seepage of water from the delivery system prior to arrival at the delivery destination. Accordingly, the fraction of recoverable loss represents water that recharges from conveyance losses associated with surface water deliveries. Non-recoverable losses occur from evapotranspiration associated with surface water deliveries. The fraction of non-recoverable loss represents water that does not recharge and occurs as an output from the SWS. The remaining percentage of surface water diversions (after subtraction of recoverable and non-recoverable losses) is considered the delivery fraction. The initial recoverable loss fractions used in the model were determined based on the average conveyance losses for each GSA, as calculated in the SWS water budgets (Chowchilla Subbasin GSP Appendices 2.F and Madera Subbasin GSP Appendices 2.H) performed outside the groundwater model. The initial non-recoverable loss fractions were determined based on the average evapotranspiration losses for each GSA, as calculated in the SWS water budgets developed outside the groundwater model. Fractional losses and deliveries were further refined during the calibration process.

In MCSim surface water diversions are assigned to groups of elements for water delivery and recharge. A total of 54 unique surface water delivery groups and 56 recharge groups were utilized in MCSim. The surface water delivery and recharge groups included 19 groups adapted from C2VSim-FG Beta2 and 46 additional groups added to refine surface water deliveries within the Madera and Chowchilla Subbasin.

The configuration and inputs associated with delivery and recharge groups adapted from C2VSim-FG Beta2 were not altered in MCSim; for refined surface water diversions and deliveries added into MCSim, delivery and recharge volumes were assigned to the entirety of the GSA receiving water, unless more specific data was available. Delivery groups for additional MCSim diversions were refined in CWD and MID based on delivery zone data provided for each GSA. Recharge groups were refined in CWD, GFWD, and MID based on locations of delivery conveyance systems. If a canal was present in a given element, recharge water was assigned to that element. Delivery locations for surface water deliveries are shown in **Appendix A6.D-A, Figures A1** through **A65** of this model report.

Table A6.D-3-5. Summary of Historical Surface Water Diversions Development.

Diversion Number	Detailed Component	Calculation/Estimation Technique	Information Sources
DIV_1 - DIV_19	C2VSim-FG Beta2 diversions data file	n/a	From C2VSim-FG Beta2
DIV_20 - DIV_23	Chowchilla River and Berenda Slough Diversions to CWD	Sum of Buchanan Dam and Madera Canal irrigation releases diverted by CWD, plus additional flood releases diverted to meet reported CWD deliveries; apportioned to each waterway based on CWD STORM delivery records, GIS analysis, and historical operations (18% from Chowchilla River, 82% from Berenda Slough)	USBR Central Valley Project (CVP) delivery records, USACE records, CWD STORM delivery database, CWD monthly water supply reports
DIV_24	Flood Diversions to CWD for managed recharge	Reported deliveries during flood releases prior to the start of the irrigation season	CWD STORM delivery database
DIV_25 - DIV_28	Diversions to GFWD	Reported by GFWD	Gravelly Ford WD reports
DIV_29, DIV_65	Dry Creek Diversions to MWD	Measured by MID, MWD	MID STORM delivery database, MWD delivery records
DIV_30	Fresno River Diversions to MID	Closure of Fresno River Balance	USGS Site 11258000 (FRESNO R BL HIDDEN DAM NR DAULTON CA), USBR CVP delivery records, IDC root zone water budget, NRCS soils characteristics, CIMIS precipitation data, MID recorders, riparian deliveries.
DIV_31 - DIV_42	Madera Canal Diversions to MID	Reported in USBR CVP delivery records at Madera Canal Miles 6.1, 13.06, 22.95, 24.1, 26.8, 27.5, 28.38, 28.39, 28.64, 30.4, 30.5, 32.2	USBR CVP delivery records
DIV_43 - DIV_58	Riparian Deliveries to MID, MC, and RCWD	Reported by historical water rights and statements of diversion, estimated from streamflow and crop ET when records not available	SWRCB Electronic Water Rights Information Management System (eWRIMS), Holding Contracts
DIV_59 - DIV_64	Water Rights Deliveries[1]	Reported riparian/appropriative/prescriptive water rights deliveries during flood releases and/or natural flood flows; estimated from streamflow and crop ET when records not available	CWD delivery records, eWRIMS, Fresno State/Madera/Madera II CIMIS Stations, land use data

[1] Includes riparian, appropriative, and prescriptive water rights deliveries during flood releases and/or natural flood flows along subbasin waterways.

3.1.3.4 Surface Water Bypasses

Surface water bypasses defined in the model simulate the movement of surface water between different waterways based on specified volumes or fractions. These bypasses can be used to simulate flood bypasses or water system operations. A total of eight surface water bypasses were included in MCSim. Two bypasses associated with moving surface water flows from the San Joaquin River into the Chowchilla Bypass and moving flows from the Chowchilla River into the East Side Bypass were initially adapted from C2VSim-FG Beta2. Six additional bypasses were added to MCSim as a means to simulate the operations of MID and CWD surface water distribution systems. More information regarding the development of bypass volumes is presented in Table A6.D-3-6. Bypass locations are shown in **Figure A6.D-3-28**.

Table A6.D-3-6. Summary of Historical Surface Water Bypasses Development.

Bypass Number	Detailed Component	Calculation/Estimation Technique	Information Sources
BYP_1	Chowchilla Bypass	Calculated from San Luis & Delta-Mendota Water Authority (SLDMWA) CBP station measurements adjusted downstream to the subbasin boundary for estimated seepage and evaporation	SLDMWA CBP station, NRCS soil survey, Fresno State/Madera/Madera II CIMIS Stations
BYP_2	C2VSim-FG Beta2 diversions data file	N/A	From C2VSim-FG Beta2
BYP_3 - BYP_4	Madera Canal Diversions to CWD	Reported in USBR CVP delivery records at Madera Canal Miles 33.6 and 35.6	USBR CVP delivery records
BYP_5	MID Deliveries to CWD	Measured by MID, CWD	MID STORM delivery database
BYP_6 - BYP_7	Chowchilla River and Berenda Slough Diversions to CWD	Sum of Buchanan Dam and Madera Canal irrigation releases diverted by CWD, plus additional flood releases diverted to meet reported CWD deliveries; apportioned to each waterway based on CWD STORM delivery records, GIS analysis, and historical operations (18% from Chowchilla River, 82% from Berenda Slough)	USBR CVP delivery records, USACE records, CWD STORM delivery database, CWD monthly water supply reports
BYP_8	Madera Canal Mile 18.8 Diversions to MID, Fresno River	Reported in USBR CVP delivery records at Madera Canal Mile 18.8	USBR CVP delivery records

[1] Includes riparian, appropriative, and prescriptive water rights deliveries during flood releases and/or natural flood flows along subbasin waterways.

3.1.4 Groundwater System

The IFWM Groundwater Flow Process balances subsurface inflows and outflows and manages groundwater storage within each element and layer (Brush et al., 2016). The development of groundwater system input files is explained in this section.

3.1.4.1 Aquifer Parameters

Because C2VSim-FG Beta2 was not a calibrated model and the basis for determining aquifer parameters in previous versions of C2VSim-CG were not characterized, aquifer parameters were defined in MCSim through subsurface lithologic textural analysis in conjunction with calibration of parameters based on

texture. Aquifer parameters in MCSim are assigned to each node for each model layer, and were developed to represent subsurface hydrogeologic characteristics.

Lithologic Texture

Geostatistical modeling was developed using Transition Probability Geostatistical Software (T-ProGS) (Carle and Fogg, 1996; Carle and Fogg, 1997). TProGS is used to develop a conditional simulation of subsurface heterogeneity based on 3-D Markov chain models. Markov chain models are used to calculate the facies type at a given point given the occurrence of a facies type at another point and the specified probability of transitioning from one facies to another over a given distance.

Subsurface lithologic data were compiled from the existing texture database of lithologic log information developed by the USGS for the Central Valley Hydrologic Model (CVHM2) and supplemented with additional lithologic log information in areas of MCSim with missing or sparse data coverage in the CVHM2 database. Texture data were subdivided into 4 texture classes: clay, silt, sand or gravel. The borehole data were then discretized onto a 5-foot interval for analysis and incorporation into TProGS.

Each model domain was discretized into rectilinear cells with a 500-foot spacing in the horizontal direction and a 5-foot vertical spacing to conduct the sequential indicator simulation. The simulations were sequentially merged to develop a composite model (**Figure A6.D-3-29**). While TProGS can produce any number of equally probable simulations, one was selected to represent the subsurface geostatistical model used to develop the numerical groundwater model.

Assigning Aquifer Parameters

For setting of initial aquifer parameter values, results from the texture kriging were upscaled and mapped onto the model grid. The centroid of each texture cell was determined, and these points were assigned to MCSim model nodes using Thiessen polygons. Thiessen polygons were drawn around MCSim model nodes to define the area closest to each model node relative to other model nodes. All texture cell centroids within a given Thiessen polygon were assigned to the corresponding MCSim model node. Aquifer parameters for each MCSim model node and model layer were determined from analysis of the texture cell centroids within a given Thiessen polygon. Each vertical 5-ft interval for texture cells was assigned to a model layer. Initial aquifer parameter values (horizontal hydraulic conductivity (Kh), vertical hydraulic conductivity (Kv), specific yield (Sy), and specific storage (SS)) were set for each of the four texture categories (clay, silt, sand, gravel) assigned to each texture cell and five-foot vertical interval. Through an upscaling routine, aquifer parameters for individual texture cells and five-foot vertical interval were assigned to model nodes and layers. For upscaling of Kv, a harmonic mean of the specified values of Kv assigned for each texture class at 5-ft intervals was first calculated for each texture cell within each model layer. An arithmetic average of these resulting values by texture cell within each model node Thiessen polygon was calculated to represent the Kv value at each model node for each model layer. For upscaling of other aquifer parameters (Kh, Sy, SS) an arithmetic average of the vertical five-foot intervals within each model layer was calculated for each texture cell and then an arithmetic average of these resulting values was calculated for each model node Thiessen polygon for each model layer.

A fifth lithologic category was used to represent the occurrence of low-permeability materials associated with the basement complex within the MCSim model domain. Although the base of Layer 7 in the model was delineated to align with the base of continental deposits in many parts of the basin, because the contact between continental deposits and basement becomes steep along the eastern edge of the mode domain, in such areas MCSim simulated this contact through assignment of different aquifer parameters instead of through explicitly delineating this contact in the configuration of model layering. To achieve this, if a model layer was more than 50 percent below the mapped top of basement at a given model node, the node in that layer was designated as a basement complex node. Nodes designated as basement complex were assigned aquifer parameters associated with basement materials.

Calibration of Aquifer Parameters

Multipliers were selectively applied to aquifer parameters after the upscaling of lithology data to the model grid in an effort to improve representation of conceptual hydrogeologic elements in the model including the presence of different sedimentary geologic units in eastern parts of the model domain and also potential for greater consolidation and induration of materials with increasing depth and age. Two principal types of aquifer multiplier were applied: an eastern area multiplier and also depth decay factors. Both types of multipliers were applied by individual layer and parameter.

Existing geologic mapping in the model area indicates the presence of different geologic units in the eastern parts of the subbasin, including some more lithified formations consisting of sandstone, siltstone, and conglomerate. The eastern area multiplier was applied to nodes in the area of the model domain generally east of Highway 99, roughly aligned with the mapped contact between deposits of alluvium and the more consolidated formations to the east.

The depth decay factor was applied to layers in the lower aquifer to represent the increased consolidation and induration that is believed to exist in older geologic units that are at greater depth and have undergone compression and compaction because of the geostatic load at greater depth.

A very low depth decay factor was applied to Layer 7 consistent with the greater depth of the layer and because the layer is below the depth at which groundwater pumping occurs in the area. Few or no wells penetrate to depths below the top of Layer 7 because it is below the base of freshwater. As a result, no groundwater pumping occurs at such great depths and little lithologic information is available so Layer 7 was represented with low aquifer properties to reduce any effect the layer may have on simulated conditions within the upper model layers where groundwater is actively used. Layer 7 was not considered in water budget estimates developed using the model.

3.1.4.2 Boundary Conditions

MCSim utilizes General Head boundary conditions. Conductance was determined at each boundary node by layer. Conductance was calculated in each layer based on Kh, distance between boundary nodes, aquifer layer thickness, and the distance from the model boundary (set as 1,000-ft). Transient historical water level boundary conditions were developed by using the interpreted initial head conditions in 1985 and applying relative changes based on simulated water levels derived from the USGS CVHM model for each model time step for the period 1985 to 2015. Because CVHM only simulates conditions through 2002, substitute years based on similar water year conditions were used to extent the historical boundary condition data through 2015. A similar approach to developing boundary head conditions was evaluated using C2VSim-CG simulated water levels, but this approach was not as successful in achieving sufficient calibration, likely in part because of the coarser vertical and lateral resolution of the model. A calibrated version of C2VSimFG was not available at the time of this modeling effort.

3.1.4.3 Groundwater Pumping

Pumping within MCSim is determined by element and is calculated internally by the IDC to meet both agricultural and urban demands after available surface water deliveries have been accounted for. The vertical distribution of pumping by layer in MCSim was modified based on review of well construction information in DWR's database of Well Completion Reports (WCR) for wells within the model domain. Agricultural and urban pumping were distributed vertically based on well construction information data in DWR's WCR database for respective well types. The vertical distribution of pumping does not change over the historical simulation period and was adjusted to accommodate model layers going dry over the simulation period because of lowering water levels. In such cases, pumping was moved to deeper layers to simulate pumping from greater depths. Maps of the vertical distribution of agricultural pumping by

layer are presented in **Figures A6.D-3-30 through A6.D-3-36** and for urban pumping by layer in **Figures A6.D-3-37 through A6.D-3-43**.

3.1.5 Small Watersheds

A total of 44 small watersheds were included in MCSim from C2VSim-FG Beta2 (**Figure A6.D-3-44**). Table A6.D-3-7 summarizes the contributions of small watersheds to modeled streams. Modifications were made to C2VSim-FG Beta2 small watersheds to properly route water through the additional streams modeled in MCSim. Additionally, minor edits to the contributing acreage of small watersheds were made to adjust to modifications of elements along model boundary.

Table A6.D-3-7. Summary of Small Watersheds.

Stream fed by Small Watersheds	Count of Contributing Watersheds	Total Contributing Watershed Acreage
Berenda Creek	3	4,694
Cottonwood Creek	3	12,710
Deadman's Creek	4	17,131
Dry Creek	3	15,820
Dutchman Creek	2	3,335
Fresno River	3	2,174
Madera Canal	16	31,814
San Joaquin River	10	42,899
TOTAL	**44**	**130,577**

3.1.6 Initial Conditions

Initial conditions for MCSim were generated from simulated output from C2VSimCG and the C2VSim-FGC2VSim-FG Beta2 regional models for October 1985 in conjunction with mapped groundwater conditions based on observed groundwater levels and contour interpretation.C2VSim-FG. MCSim initial Conditions for the unsaturated zone and small watersheds were defined from simulated C2VSim-FGC2VSim-FG Beta2 conditions. Available historical groundwater level data were used to interpret groundwater elevations across the domain in Fall 1985 for use in representation of initial model water level (head) conditions. Initial groundwater level conditions were interpreted separately for the Upper and Lower Aquifers, in areas within the extent of the Corcoran Clay. Layers 1 through 3 were assigned initial head conditions representative of the Upper Aquifer and Layers 4 through 7 were assigned initial head conditions representative of the Lower Aquifer. Outside the extent of the Corcoran Clay, all layers were assigned the same initial head conditions from the interpreted unconfined groundwater surface. Initial water level conditions used in the historical MCSim runs are shown in **Figures A6.D-3-45** through **A6.D-3-51**.

3.2 Model Calibration

As described above, MCSim was calibrated through trial and error. The calibration process focused on adjusting key model parameter values to improve the fit of simulated data to observed data. The key model parameters included in calibration were aquifer properties and streambed properties. Aquifer parameters adjusted during calibration included Kh, Kv, Ss, and Sy, which were specified for individual texture categories in the textural model and then upscaled to model nodes, and associated spatial adjustment factors to represent varying degrees of consolidation of aquifer materials at depth and by

area. Streambed properties adjusted during the calibration included streambed conductivity and wetted perimeter. Model results were compared to observed groundwater levels and measured stream flows and SWS water budget estimates developed outside the model (Chowchilla Subbasin GSP Appendices 2.F and Madera Subbasin GSP Appendices 2.H). Observations used to constrain aquifer parameter values included approximately 9,000 groundwater level observations from 177 wells (**Figure A6.D-3-52**). Observations used to constrain stream bed parameters included approximately 1,800 stream flow measurements from 14 gage stations.

3.3 MCSim – Projected Model

MCSim was used to simulate projected future scenarios including under varying projects, management actions, and hydrology. The projected simulation period runs from WY 2016 through 2090 beginning on October 1, 2015 and ending September 30, 2090, at a monthly time step. Two distinct time periods exist in the future projected modeling: the implementation period (2020-2039), during which projects and management actions are enacted to bring the basin into sustainability, and the sustainability period (2040-2090), after which projects and management actions have been fully implemented. The development of the projected future scenarios in MCSim is described in this section.

3.3.1 Projected Hydrology

Future hydrology model inputs were projected into the future based on projected water year type and historical hydrology to achieve a future hydrologic period of 70 years that are representative and consistent with hydrology occurring over a historical 50-year period from 1965-2015. During the implementation period, an average climatic period was simulated by repeating the observed 10-year average climatic period from 2001-2010 twice for the 2020 to 2039 period. During the sustainability period, the 50-year climatic period from 1965-2015 is repeated. The projected water year type and assigned water years for use in future projections are shown in Table A6.D-3-8.

Table A6.D-3-8. Summary of Projected Water Years.

Water Year	Assigned Water Year	Water Year Type	Water Year	Assigned Water Year	Water Year Type	Water Year	Assigned Water Year	Water Year Type
1989	-	C	2023	2004	D	2057	1982	W
1990	-	C	2024	2005	W	2058	1983	W
1991	-	C	2025	2006	W	2059	1984	AN
1992	-	C	2026	2007	C	2060	1985	D
1993	-	W	2027	2008	C	2061	1986	W
1994	-	C	2028	2009	BN	2062	1987	C
1995	-	W	2029	2010	AN	2063	1988	C
1996	-	W	2030	2001	D	2064	1989	C
1997	-	W	2031	2002	D	2065	1990	C
1998	-	W	2032	2003	BN	2066	1991	C
1999	-	AN	2033	2004	D	2067	1992	C
2000	-	AN	2034	2005	W	2068	1993	W
2001	-	D	2035	2006	W	2069	1994	C
2002	-	D	2036	2007	C	2070	1995	W
2003	-	BN	2037	2008	C	2071	1996	W
2004	-	D	2038	2009	BN	2072	1997	W
2005	-	W	2039	2010	AN	2073	1998	W
2006	-	W	2040	1965	W	2074	1999	AN
2007	-	C	2041	1966	BN	2075	2000	AN
2008	-	C	2042	1967	W	2076	2001	D
2009	-	BN	2043	1968	D	2077	2002	D
2010	-	AN	2044	1969	W	2078	2003	BN
2011	-	W	2045	1970	AN	2079	2004	D
2012	-	D	2046	1971	BN	2080	2005	W
2013	-	C	2047	1972	D	2081	2006	W
2014	-	C	2048	1973	AN	2082	2007	C
2015	-	C	2049	1974	W	2083	2008	C
2016	2016	D	2050	1975	W	2084	2009	BN
2017	2017	W	2051	1976	C	2085	2010	AN
2018	2018	AN	2052	1977	C	2086	2011	W
2019	1995	W	2053	1978	W	2087	2012	D
2020	2001	D	2054	1979	AN	2088	2013	C
2021	2002	D	2055	1980	W	2089	2014	C
2022	2003	BN	2056	1981	D	2090	2015	C

Note: Water Year Type is based on the San Joaquin Valley Water Year Index and is classified into five types:

W Wet
AN Above Normal
BN Below Normal
D Dry
C Critical

Climate change adjustments were also included in selected projected future scenarios to evaluate the potential influence of climate change on future conditions. The climate change factors applied are from the DWR CalSim II simulated volume projections based on State Water Project (SWP) and Central Valley

Project (CVP) operations under the 2030 mean climate change scenario (SGMA Data Viewer). For precipitation, evapotranspiration, and surface inflows for unimpaired waterways, historical data was adjusted by the CalSim II 2030 monthly streamflow change factors by water year type. For surface inflows for impaired waterways, the CalSim II projected reservoir outflows (assuming 2030 climate change) was used when available (1965-2003), or inflows were estimated as the average monthly CalSim II projected volume by water year type in other years (2004-2015). For inflows to the San Joaquin River and other waterways stemming from it (i.e., Madera Canal), the projected flows from a report on future supplies by the Friant Water Authority (Friant Water Authority, 2018) were used, considering San Joaquin River Restoration Program (SJRRP) implementation and the CalSim II 2030 climate change projections (1965-2003), or inflows were estimated based on the average monthly projected volume by water year type (2004-2015) included in the Friant Water Authority Report (Friant Water Authority, 2018). Additional information about climate change adjustments used in projected future scenarios is included in Table A6.D-3-10 and Table A6.D-3-12.

3.3.2 Projected Future Scenarios

Four projected future scenarios were simulated to compare possible outcomes. These scenarios include: a Projected No Action scenario, a Projected No Action with Climate Change scenario, a Projected with Projects scenario, and a Projected with Projects and with Climate Change scenario. All four scenarios are simulated using historical climate data from an average period during the implementation period (2020-2039). The Projected No Action and Projected No Action with Climate Change scenarios use no flow boundary conditions, under which no subsurface flow is assumed to enter or exit the model domain along the model boundary. The Projected with Projects and Projected with Projects with Climate Change scenarios use boundary conditions that assume adjacent basins are also implementing projects. The Projected with Climate Change and Projected with Projects with Climate Change scenarios incorporate the 2030 mean climate change scenario adjustment for precipitation, ET, stream inflows, and surface water diversion volumes. All other model inputs are held constant across projected future scenarios.

The Projected with Projects scenario was chosen as the baseline future projected scenario. The Projected with Projects with Climate Change, Projected No Action, and Projected No Action with Climate Change model runs were chosen as sensitivity analysis scenarios. Table A6.D-3-9 summarizes the differences between each projected future scenario.

Table A6.D-3-9. Summary of Projected Future Scenarios.

Scenario Conditions	Projected No Action	Projected No Action with Climate Change	Projected with Projects	Projected with Projects with Climate Change
Average Implementation Period	x	x	x	x
Climate Change Adjustment		x		x
Boundary Conditions - No Flow	x	x		
Boundary Conditions - Adjacent Basins Implementing Projects			x	x

3.3.3 Land Surface System

The development of land surface system datasets for projected future scenarios is described below.

3.3.3.1 Precipitation

Precipitation was updated for each element through September 2018 from PRISM. The precipitation amount in each future year was assumed to be equal to the amount in the historical water year assigned to that future year (Table A6.D-3-8). For scenarios with climate change adjustments, the historical precipitation amount was adjusted by using the CalSim II 2030 mean climate change scenario monthly water year type multiplier. Additional information about the development of projected precipitation rates is included in Table A6.D-3-10.

Table A6.D-3-10. Development of Projected Future Land Surface Process Components.

Water Budget Component	Without Climate Change Adjustments		With Climate Change Adjustments	
	Implementation Period (2020-2039)	Sustainability Period (2040-2090)	Implementation Period (2020-2039)	Sustainability Period (2040-2090)
Precipitation	2001-2010 historical data (2020-2029 and 2030-2039)	1965-2015 historical data (2040-2090)	2001-2010 historical data (2020-2029 and 2030-2039) adjusted by CalSim II 2030 monthly change factors by water year type	1965-2015 historical data (2040-2090) adjusted by CalSim II 2030 monthly change factors by water year type
Evapotranspiration	2001-2010 historical data (2020-2029 and 2030-2039), assuming 2017 land use adjusted for projected urban area growth from 2017-2039	1965-2015 historical data, assuming 2017 land use adjusted for projected urban area growth from 2017-2070 (urban area constant from 2071-2090)	2001-2010 historical data (2020-2029 and 2030-2039) adjusted by CalSim II 2030 monthly change factors by water year type, assuming 2017 land use adjusted for projected urban area growth from 2017-2039	1965-2015 historical data (2040-2090) adjusted by CalSim II 2030 monthly change factors by water year type, assuming 2017 land use adjusted for projected urban area growth from 2017-2070 (urban area constant from 2071-2090)

3.3.3.2 Evapotranspiration

Evapotranspiration rates were also projected into the future based on historical data from the assigned water year corresponding to the projected water year (Table A6.D-3-8) and projected changes in land use (described in Section 3.3.3.3). Additional information about the development of projected ET rates is included in Table A6.D-3-10.

3.3.3.3 Land Use

No Action (Without Projects) Scenarios

Except in areas with urban growth, projected land use acreage in the Projected No Action scenarios was based on 2017 land use from DWR Land Use surveys and Land IQ results adjusted and interpolated through 2017 (Appendix 2.A.). In areas with urban growth, agricultural acreage decreases over time with

urban expansion. Urban growth trends from 1989 through 2017 were first analyzed and urban growth percentages were developed to project urban expansion into the future. Starting from 2017, urban area was increased through 2070 using these urban growth percentages when non-urban land was available for conversion in a model element. Any remaining non-urban land was distributed among the other land uses in the element based on each non-urban land use's percentage of total non-urban area in the element in 2017. After 2070, urban acreage was held constant through 2090.

Projected urban population in the Projected No Action scenarios was developed based on review of observed population growth during water years 1989-2017. Projected urban population growth in the City of Chowchilla was estimated based on average 10-year population growth and projections for 2000-2040 from the City of Chowchilla Sphere of Influence Expansion & Municipal Service Review (Land Use Associates, 2011). Projected urban population growth in the City of Madera was estimated based on average 5-year population growth and review of the Madera Area Municipal Service Review and Sphere of Influence Update (Quad Knopf, 2018). An average annual percent change in total population of 0.8 percent per year was used to project urban population in City of Madera, City of Chowchilla, Firebaugh, and Mendota between water years 2016-2070. Projected urban population growth in the Root Creek Water District area was based on district-provided growth through 2040 and the same 0.8% average growth rate estimated for Chowchilla and Madera in other years. Estimated urban population in water years 2071-2090 was held constant at the estimated population in 2070. The monthly projected urban per capita water use between water years 2016 and 2090 was estimated to be the same as water year 2012.

With Projects Scenarios

Land use in the Projected with Projects scenarios is based on land use in the Projected No Action scenarios that is modified to incorporate reductions in non-ponded land use estimated to occur in response to demand management.

Demand management was simulated in MCSim by idling specified acreages of selected land uses each water year as estimated by the Madera County GSA Demand Management Simulation (Chowchilla Subbasin GSP Appendix 4.E.). Only the Madera County GSAs are planning demand management, so reduced land use only occurred in the Madera County GSAs. Water year 2020 land use was extracted from the Projected No Action land use dataset, and water years 2021-2070 land use was calculated by a percent change from the previous water year, starting in 2020 (see **Equation 1**). Idle acreage was used as a closure for each element in each water year.

water year n land use for each element	=	water year n-1 land use	*	(1 + percent change from water year n-1 to water year n)	**Equation 1**

CWD, Madera County – East, Madera County – West, and Triangle T Water District in the Chowchilla subbasin and the Madera Irrigation District, and Madera County in the Madera Subbasin also had small reductions in land use as cropped area will be converted to recharge basins. Additional crop acreage was idled following the same percent change method described above. The water year in which additional demand management is implemented and the selection of crops to be idled varies by GSA and is described in Table A6.D-3-11.

Table A6.D-3-11. Additional Land Use Changes by GSA.

Subbasin	GSA	Change Year	Acres Idled	Crop Idled	Notes
Chowchilla	Chowchilla WD	2025	1,200	All crops in GSA	
Chowchilla	Madera County - East	2025	340	Largest crop by acreage in GSA	No elements with almonds idled
Chowchilla	Madera County - West	2025	880	Largest crop by acreage in GSA	
Chowchilla	Triangle T WD	2020	685	All crops in GSA	
Madera	Madera ID	2025	90	Grapes	Idled 90 ac grapes
Madera	Madera County	2025	3,200	Largest crop by acreage in GSA	

3.3.4 Surface Water System

The development of surface water system datasets for projected future scenarios is described below.

3.3.4.1 Stream Inflows

Stream inflow volumes were projected into the future based on historical data from the assigned water year corresponding to the projected water year (Table A6.D-3-8), with the exception of inflows to the San Joaquin River which were estimated from a report on future supplies by the Friant Water Authority (Friant Water Authority, 2018). For scenarios with climate change, a climate change adjustment was incorporated into the projections. Additional information about the development of projected stream inflows is included in Table A6.D-3-12.

Table A6.D-3-12. Development of Projected Future Surface Water System Components.

Water Budget Component	Without Climate Change Adjustments		With Climate Change Adjustments	
	Implementation Period (2020-2039)	Sustainability Period (2040-2090)	Implementation Period (2020-2039)	Sustainability Period (2040-2090)
Surface Water Inflow - Unimpaired Streams	2001-2010 historical data (2020-2029 and 2030-2039)	1965-2015 historical data (2040-2090)	2001-2010 historical data (2020-2029 and 2030-2039) adjusted by CalSim II 2030 monthly streamflow change factors by water year type	1965-2015 historical data (2040-2090) adjusted by CalSim II 2030 monthly streamflow change factors by water year type
Surface Water Inflow - Chowchilla River (Buchanan Dam Releases)	2001-2010 historical data (2020-2029 and 2030-2039)	1965-2015 historical data (2040-2090)	2001-2010 data (2020-2029 and 2030-2039): 2001-2003 historical data adjusted by CalSim II 2030 climate change projections for Eastman Lake; 2004-2010 data estimated as the historical volume adjusted by the average monthly climate-adjusted volume by water year type	1965-2003 historical data (2040-2078) adjusted by CalSim II 2030 climate change projections for Eastman Lake; 2004-2015 data (2079-2090) estimated as the historical volume adjusted by the average monthly climate-adjusted volume by water year type

Water Budget Component	Without Climate Change Adjustments		With Climate Change Adjustments	
	Implementation Period	Sustainability Period	Implementation Period	Sustainability Period
	(2020-2039)	(2040-2090)	(2020-2039)	(2040-2090)
Surface Water Inflow - Fresno River (Hidden Dam Releases)	2001-2010 historical data (2020-2029 and 2030-2039)	1965-2015 historical data (2040-2090)	2001-2010 data (2020-2029 and 2030-2039): 2001-2003 historical data adjusted by CalSim II 2030 climate change projections for Hensley Lake; 2004-2010 data estimated as the historical volume adjusted by the average monthly climate-adjusted volume by water year type	1965-2003 historical data (2040-2078) adjusted by CalSim II 2030 climate change projections for Hensley Lake; 2004-2015 data (2079-2090) estimated as the historical volume adjusted by the average monthly climate-adjusted volume by water year type
Surface Water Inflow - San Joaquin River (Friant Dam Releases)	Estimated based on the Friant Water Authority Report* (same as the implementation period with climate change adjustments**, see right)	Estimated based on the Friant Water Authority Report* (same as the implementation period with climate change adjustments**, see right)	2001-2010 data (2020-2029 and 2030-2039): 2001-2003 data provided by Friant Water Authority Report*, considering the CalSim II 2030 climate change projections and implementation of the SJRRP; 2004-2010 data estimated as the historical volume adjusted by the average Friant Report volume by month and water year type	1965-2003 data (2040-2078) provided by Friant Water Authority Report*, considering the CalSim II 2030 climate change projections and implementation of the SJRRP; 2004-2015 data (2079-2090) estimated as the historical volume adjusted by the average Friant Report volume by month and water year type
Surface Water Inflow - Chowchilla Bypass	Estimated based on the historical monthly ratio of Chowchilla Bypass (CBP) and San Joaquin River (SJR) flows, with projected SJR inflow data provided by the Friant Water Authority Report* (same as the implementation period with climate change adjustments**, see right)	Estimated based on the historical monthly ratio of CBP and SJR flows, with projected SJR inflow data provided by the Friant Water Authority Report* (same as the implementation period with climate change adjustments**, see right)	2001-2010 data (2020-2029 and 2030-2039): 2001-2003: estimated based on the historical monthly ratio of CBP and SJR flows by water year type, with projected SJR inflow data provided by the Friant Water Authority Report*, considering the CalSim II 2030 climate change projections and implementation of the SJRRP; 2004-2010: estimated based on the historical monthly ratio of CBP to SJR flows by water year type, with average projected SJR inflows calculated from 1921-2003 by month and water year type	1965-2003 (2040-2078): estimated based on the historical monthly ratio of CBP to SJR flows by water year type, with projected SJR inflow data provided by the Friant Water Authority Report*, considering the CalSim II 2030 climate change projections and implementation of the SJRRP; 2004-2015 (2079-2090): estimated based on the historical monthly ratio of CBP to SJR flows by water year type, with average projected SJR inflows calculated by month and water year type

Water Budget Component	Without Climate Change Adjustments		With Climate Change Adjustments	
	Implementation Period	Sustainability Period	Implementation Period	Sustainability Period
	(2020-2039)	(2040-2090)	(2020-2039)	(2040-2090)
Diversions from Madera Canal	Estimated based on the Friant Water Authority Report* (same as the implementation period with climate change adjustments**, see right)	Estimated based on the Friant Water Authority Report* (same as the implementation period with climate change adjustments**, see right)	2001-2010 data (2020-2029 and 2030-2039): 2001-2003 data provided by Friant Water Authority Report*, considering the CalSim II 2030 climate change projections and implementation of the SJRRP; 2004-2010 data estimated as the historical volume adjusted by the average Friant Report climate change volume by month and water year type	1965-2003 data (2040-2078) provided by Friant Water Authority Report*, considering the CalSim II 2030 climate change projections and implementation of the SJRRP; 2004-2015 data (2079-2090) estimated as the historical volume adjusted by the average Friant Report climate change volume by month and water year type
Other Diversions/ Bypasses	2001-2010 historical data (2020-2029 and 2030-2039)	1965-2015 historical data (2040-2090)	2001-2010 historical data (2020-2029 and 2030-2039)***	1965-2015 historical data (2040-2090)***

* "Estimate of Future Friant Division Supplies for use in Groundwater Sustainability Plans, California," Friant Water Authority, 2018.

** Although the Friant Water Authority Report (or Friant Report) accounts for climate change, it is considered the best available estimate of projected Madera Canal deliveries under SJRRP. For comparison, projected Madera Canal deliveries under SJRRP were also estimated without account for climate change from the Steiner Report Kondolf Hydrograph (Steiner, 2005). These estimates were approximately equal to the Friant Report 2030 climate change adjusted deliveries. Thus, the Friant Report projections were used instead to maintain consistent assumptions in estimating Madera Canal deliveries across all projected simulations.

*** Historical volumes specified in the model to ensure that GSAs can use as much surface water as is available in a given time step up to the maximum historical surface water used.

3.3.4.2 Diversions

Surface water diversion volumes were projected into the future based on assigned water year corresponding to projected water year type, with the exception of diversions from the Madera Canal which were estimated from a report on future supplies by the Friant Water Authority (Friant Water Authority, 2018). For scenarios with climate change, a climate change adjustment was incorporated into the projections. Additional information the development of projected surface water diversions is included in Table A6.D-3-12.

3.3.4.3 Projects

Two main types of projects were simulated in MCSim. The first type of project delivers flood water or uncontrolled releases from the Madera Canal to recharge basins or farmer's fields to increase groundwater recharge. The second type of project reduces groundwater pumping either by encouraging growers to use surface water rather than groundwater or by purchasing and importing additional surface water. Estimates of project configuration, cost and recharge were developed in close collaboration with each GSA. The objective of the projects (and demand management in the case of the Madera County GSA) is to increase recharge or reduce groundwater pumping a sufficient volume so groundwater pumping does not exceed the sustainable yield.

For recharge basins and flood managed aquifer recharge (flood-MAR) projects, diversion volumes were developed based on estimated recharge rates (four inches per day), the area flooded, and the water volumes available by water year type and month. For projects in which water is purchased and additional surface water is used by growers in lieu of groundwater, estimated diversion volumes were provided by the GSAs.

For projects using flood water, diversions were specified in the model as the maximum volumes that could be diverted and used by the projects. This ensured that projects could take as much water as was available in a given time step up to the maximum capacity of each project. Because maximum volumes were specified for each project, no climate change adjustment was applied to projects in the Projected with Projects with Climate Change scenario. Elements where recharge would occur were specified for each project. Additional surface water purchased, and additional surface water used by growers was assumed to be available to all elements in the GSA implementing the projects.

Project diversion locations are provided in **Figure A6.D-3-53.**

Diversion points were located downstream of historical diversions in order to prioritize historical diversions over project diversions. Project diversions were delivered to the entirety of the appropriate GSA, unless more detailed delivery information was provided for the project. Delivery locations for projects are shown in **Figures A-66 through A-111** of **Appendix A6.D-A**.

Table A6.D-3-13. Summary of Projected Projects by GSA.

Subbasin	GSA	Project Name	Project Mechanism and Source of Information
Chowchilla	Chowchilla WD	CWD Recharge Basin	Estimated Average Annual Groundwater Basin Recharge Volume (AF, based on D. Welch analysis in Groundwater Basin Spreading Analysis 80 acres Scenario 4 2018 09 11 - dm)
Chowchilla	Chowchilla WD	CWD Additional Recharge Basin	Estimated Average Annual Groundwater Basin Recharge Volume (AF, based on 1989-2014 Historical Flood Releases and Assumptions Above)
Chowchilla	Chowchilla WD	CWD Flood-MAR	Estimated Average Annual On-Farm Recharge Volume (AF, based on 1989-2014 Historical Flood Releases and Assumptions Above)
Chowchilla	Chowchilla WD	Merced-Chowchilla Intertie	Estimated Average Annual Surface Water sold from Merced ID to Chowchilla WD (AF, based on San Joaquin River Restoration Program, Working Administrative Draft, Water Management Goal - Investment Strategy, Project 101 Chowchilla-Merced Intertie)
Chowchilla	Chowchilla WD	Madera Canal Capacity Increase	Estimated Average Annual Short duration flood waters delivered through increased capacity (AF, based on San Joaquin River Restoration Program, Working Administrative Draft, Water Management Goal - Investment Strategy, Project 114 Madera Canal Capacity Exp
Chowchilla	Chowchilla WD	Eastman Lake Enlargement	Estimated Average Annual Increased Buchanan Dam deliveries through increased capacity (AF, based on San Joaquin River Restoration Program, Working Administrative Draft, Water Management Goal - Investment Strategy, Project 105 Eastman Lake Enlargement)
Chowchilla	Madera Co.-East	Madera County Purchase, Chowchilla	Import of "other water" (high cost) into Eastern portion of Madera County GSA using Madera Canal (use for irrigation in lieu of pumping GW)
Chowchilla	Madera Co.-East	Madera County Flood Import, Chowchilla	Import of CVP "flood" water (215 or other) into Eastern portion of Madera GSA using Madera Canal (use recharge ponds, deep dry wells and Flood-MAR on crop land)
Chowchilla	Madera Co.-East	MC-East Flood-MAR	Estimated Average Annual On-Farm Recharge Volume (AF, based on 1989-2014 Historical Flood Releases and Assumptions Above)
Chowchilla	Madera Co.-West	Madera County Recharge Basin, Chowchilla	Estimated Average Annual Frequency Summary Table--Recharge Basins off Eastside Bypass--Flood Flows in W and AN
Chowchilla	Madera Co.-West	Red Top Joint Banking Project (Madera County)	Estimated Average Annual Frequency Summary Table--MARPO Red Top Joint Banking Project--7 new 20-CFS slant pump turnouts to flood recharge basins and fields

Subbasin	GSA	Project Name	Project Mechanism and Source of Information
Chowchilla	Madera Co.-West	Red Top Joint Banking Project (Ash) (Madera County)	Estimated Average Annual Frequency Summary Table--MARPO Red Top Joint Banking Project--CWD turnout replacement on Ash Slough--assume 20 CFS for 90 days in W years to flood recharge basins and fields
Chowchilla	Sierra Vista MWC	SVMWC Recharge Basin	Estimated Average Annual Frequency Summary Table--100 CFS per day to flood recharge basins
Chowchilla	Triangle T WD	Settlement Agreement	Estimated Average Annual Frequency Summary Table—TTWD Purchased contract water, based on settlement agreement with Exchange contractors
Chowchilla	Triangle T WD	Eastside Bypass Flood WR Application	Estimated Average Annual Frequency Summary Table--Eastside Bypass Flood WR Application--flood recharge basins and fields
Chowchilla	Triangle T WD	Red Top Joint Banking Project (TTWD)	Estimated Average Annual Frequency Summary Table--MARPO Red Top Joint Banking Project--5 new 20-CFS slant pump turnouts to flood recharge basins and fields
Chowchilla	Triangle T WD	Red Top Joint Banking Project (TTWD)	Estimated Average Annual Frequency Summary Table--MARPO Red Top Joint Banking Project--new 48-inch RCBC (60 to 150 CFS) off Eastside Bypass to Fresno River with capacity improvements to Grover Junction to flood recharge basins and fields
Madera	City of Madera	Berry Basin (City of Madera)	Berry Basin Project--Completed--Flood Flows and 215 water in W, AN and BN years
Madera	Gravelly Ford WD	GFWD Recharge Basin	Recharge Basin Project--Flood Flows and 215 water in W, AN and BN years
Madera	Madera County	Madera County Purchase, Madera	Import of "other water" (high cost) into Eastern portion of Madera County GSA using Madera Canal (use for irrigation in lieu of pumping GW)
Madera	Madera County	Madera County Flood Import, Madera	Import of CVP "flood" water (215 or other) into Eastern portion of Madera GSA using Madera Canal (use recharge ponds, deep dry wells and Flood-MAR on crop land)
Madera	Madera County	Madera County Recharge Basins, Madera	Recharge Basins off Chowchilla Bypass--Flood Flows in W and AN
Madera	Madera County	Madera County Additional Recharge	Additional Recharge of Chowchilla Bypass--Flood Flows in W and AN Water Years
Madera	Madera ID	MID Recharge Basin Rehabilitation	Estimated Average Annual Frequency Summary Table--MID Recharge Basin Rehabilitation Project--Existing Rehabilitated--Flood Flows and 215 water in W, AN and BN years, reduced volume in critical years is Hensley Lake water put in basins to reduce evaporation from Hensley Lake

Subbasin	GSA	Project Name	Project Mechanism and Source of Information
Madera	Madera ID	MID Pipeline Project	Estimated Average Annual Frequency Summary Table--MID Pipeline Project, Main I-Road 23 Project - 5900'--reduces evaporation and provides additional water to fields by lengthening the season
Madera	Madera ID	Ellis Basin	Estimated Average Annual Frequency Summary Table--Ellis Basin Project--Completed--Flood Flows and 215 water in W, AN and BN years
Madera	Madera ID	On-Farm Recharge Pilot Project	Estimated Average Annual Frequency Summary Table--On-Farm Recharge Project (Flood-MAR) Pilot Project
Madera	Madera ID	Berry Basin	Estimated Average Annual Frequency Summary Table--Berry Basin Project--Completed--Flood Flows and 215 water in W, AN and BN years
Madera	Madera ID	WaterSMART Pipeline Project	Estimated Average Annual Frequency Summary Table--WaterSMART Pipeline Project--reduces evaporation and provides additional water to fields by lengthening the season
Madera	Madera ID	WaterSMART SCADA Project	Estimated Average Annual Frequency Summary Table--WaterSMART SCADA Project--reduces evaporation and provides additional water to fields by lengthening the season
Madera	Madera ID	MID Recharge Basin Acquisition	Estimated Average Annual Frequency Summary Table--MID Recharge Basin Acquisition--22-acre Basin (Allende Basin) -- Flood Flows and 215 water in W, AN and BN years, reduced volume in critical years is Hensley Lake water put in basins to reduce evaporation from Hensley Lake
Madera	Madera ID	MID Water Supply Development-Partnerships	Estimated Average Annual Frequency Summary Table--Water Supply Development-Partnerships
Madera	Madera ID	MID Recharge Basin Acquisition	Estimated Average Annual Frequency Summary Table--Recharge Basin Acquisition--locate, acquire and develop property for recharge--Flood Flows and 215 water in W, AN and BN years,
Madera	Madera ID	MID Water Supply Development-Partnerships Additional	Estimated Average Annual Frequency Summary Table--Water Supply Development-Partnerships Additional
Madera	Madera ID	MID Flood-MAR Enhanced Project	Estimated Average Annual Frequency Summary Table--Flood-MAR Enhanced Project
Madera	Madera ID	MID Incentive Programs	Estimated Average Annual Frequency Summary Table--Explore new fee structures and incentive-based programs Incentives to use surface water
Madera	Madera ID	MID Additional Recharge	Additional Recharge

Subbasin	GSA	Project Name	Project Mechanism and Source of Information
Madera	Madera WD	MWD Water Purchase	Madera Water District plans to purchase surface water in wet and above normal years to offset groundwater pumping during below normal, dry and critical years.
Madera	New Stone WD	Exercise of Appropriative Right	NSWD GSA has an appropriative water right along the Chowchilla Bypass (referred to as Eastside Bypass/Chowchilla Canal in permit) of 15,700 acre-feet/year (permit number 19615).
Madera	Root Creek WD	RCWD pipeline	Root Creek Water District--Surface Water delivered and applied through distribution system off MID Lateral 6.2
Madera	Root Creek WD	RCWD Surface Water Delivery Increase	Surface Water Delivery Increase from USBR Holding Contracts on San Joaquin River

3.3.4.4 Bypasses

Bypass volumes were projected into the future based on the water year type of the assigned historical year. The inflows to the Chowchilla Bypass from the San Joaquin River were estimated based on the historical monthly ratio of Chowchilla Bypass USGS stream gage (CBP) and projected San Joaquin River flows provided by a report on future supplies by the Friant Water Authority (Friant Water Authority, 2018). For scenarios with climate change, a climate change adjustment was incorporated into the projections. Additional information about the development of projected bypass volumes is included in Table A6.D-3-12.

3.3.5 Groundwater System

The development of groundwater system datasets for projected future scenarios is described below.

3.3.5.1 Boundary Conditions

Several different boundary head conditions were developed for use in evaluating potential future conditions in the projected future scenarios. Future boundary head conditions scenarios were developed for: 1) no subsurface flow boundary conditions, 2) continuation of the average historical trend in groundwater levels over the period 1989 to 2015, and 3) gradual ramping down of the average historical groundwater level trend over the implementation period (2020-2040) with long-term stable trends in groundwater levels from 2040 to 2070 and 2090. In developing the future groundwater head conditions, head conditions developed over the historical model base period from 1989 to 2015 were substituted based on similar water year types for the projected period. The relative changes in boundary head conditions from the base period were used to represent the appropriate trend in boundary head conditions to be represented at each boundary node. In scenarios in which the historical trend in boundary heads was ramped down over the implementation period and then set as stable for the sustainability period past 2040, adjustments were applied to achieve reductions in trend slopes in intervals of five years from 2020 to 2040 and then an adjustment to represent a zero long-term trend was applied for both the periods 2040 to 2070 and also 2070 to 2090.

In the future simulations, both the Projected No Action and Projected No Action with Climate Change scenarios assume no flow boundary conditions, under which no subsurface flow enters or exits the model

domain along the model boundary. In the No Action scenarios, it is assumed that no subbasin is subject to SGMA, so levels continue to fall in neighboring subbasins also. In this situation, inflows probably remain about the same. To model this, a boundary condition of no subsurface inflow or outflow at the model boundary is assumed (approximately 5-10 miles outside Chowchilla and Madera Subbasin boundaries. The Projected with Projects and Projected with Projects with Climate Change scenarios utilize general head boundary conditions with the assumption that adjacent basins are also implementing projects and experience ramping down of historical groundwater level trends with generally stable water level conditions after 2040. The same conductance values from the Historical simulation period are also used for the projected future general head boundary conditions.

3.3.5.2 Groundwater Pumping

The pumping specifications used for the historical simulation period were retained for the duration of all projected simulations (2015-2090) except in the Western Management Area (MA) of Chowchilla Subbasin. Due to the general need to reduce pumping from the Lower Aquifer in many parts of the Western MA to mitigate for potential subsidence impacts, in projected scenarios much of the pumping that occurred from the Lower Aquifer in the Western MA under the historical simulations was shifted into the Upper Aquifer model layers for the projected simulations. As a result, in the Western MA approximately 90 percent of projected pumping occurs in the Upper Aquifer and 10 percent is in the Lower Aquifer. Maps of the vertical distribution of projected agricultural pumping by layer are presented in **Figures A6.D-3-54 through A6.D-3-60** and for projected urban pumping by layer in **Figures A6.D-3-61 through A6.D-3-67**.

3.3.6 Initial Conditions

Initial conditions for projected future simulation in MCSim were generated from the historical simulation in MCSim. Initial Conditions for the unsaturated zone, root zone, small watersheds, and groundwater levels were defined as the final conditions of the historical simulation in MCSim. Initial water levels are shown in **Figures A6.D-3-68 through A6.D-3-74**.

4 GROUNDWATER FLOW MODEL RESULTS

Calibrated parameter values for the historical model simulation as well as water budgets for both the historical and projected future scenarios in MCSim are presented in this section. Model calibration involves the adjustment of model parameters to achieve a model that simulates the observed hydrologic system as best possible. Model parameters adjusted during calibration include aquifer parameters, streambed parameters, and fractional conveyance losses. The final parameters for the calibrated model are presented in this section. Previous discussion of the calibration process and values was also presented in sections 3.1 and 3.2.

4.1 Aquifer Parameters

Initial aquifer parameter values assigned to each lithology texture categories (clay, silt, sand, gravel) were based on reported literature values. These values were further refined and adjusted during the calibration process. Final calibrated values for each of the texture categories are presented in Table A6.D-4-1. These parameter values were used in the upscaling routine to generate aquifer parameter values for each model node. The upscaling process was previously described in Section 3.1.4.1.

4.1.1 Hydraulic Conductivity

The calibrated horizontal hydraulic conductivity (Kh) values range from 0.49 feet per day (ft/d) for clay to 500 ft/d for gravel (Table A6.D-4-1). Calibrated Kh in clays and silts are higher than values reported in the literature because the lithologic categories in the model represent the dominant material type although, they often include a mixture of some coarser and more permeable deposits such as sand. The final Kh values in the calibrated model area shown by model layer in **Figures A6.D-4-1 through A6.D-4-7**. Calibrated vertical hydraulic conductivity (Kv) values range from 0.028 ft/d for clay to 268 ft/d for gravel (Table A6.D-4-1). Kv values for the aquitard layers were derived based on C2VSim-FG Beta2 values used for the Corcoran Clay (E-Clay) with some adjustments. Aquitard Kv values for the Corcoran Clay, E-Clay (Layer 4 aquitard) were assigned as the C2VSim-FG Beta2 value for E-Clay at that model node. Because of the interpreted reduced lateral and vertical continuity of the A-Clay and C-Clay units, aquitard Kv values representative of the A-Clay (Layer 2 aquitard) were assigned as 1.5 times C2VSim-FG Beta2 value for E-Clay at that model node and aquitard Kv values for the C-Clay (Layer 3 aquitard) were assigned as 2 times C2VSim-FG Beta2 value for E-Clay at that model node. The Kv values in the calibrated model are shown by model layer in **Figures A6.D-4-8 through A6.D-4-17**.

4.1.2 Storage Coefficients

Final specific yield (Sy) values used in the calibrated model range from 0.03 for clay to 0.2 for both sand and gravel (Table A6.D-4-1). Final Sy values in the calibrated model by layer are shown in **Figures A6.D-4-18 through A6.D-4-24**. Specific storage (Ss) values used in the calibrated model range from 1.64×10^{-6} ft^{-1} for gravel to 1.39×10^{-5} ft^{-1} for clay (Table A6.D-4-1). Final calibrated Ss values by model layer are shown in **Figures A6.D-4-25 through A6.D-4-31**. The calibrated Ss term incorporates elastic storage, inelastic storage, and the compressibility of water. The C2VSim-FG Beta2 model available for use in development of the MCSim model and at the time of this model report, does not currently include the capability to simulate land subsidence. With the inclusion of a subsidence component in future versions of IWFM, which will account for the inelastic storage component, the Ss term can be refined in future versions of MCSim to include only elastic storage.

Table A6.D-4-1. Summary of Calibrated Aquifer Parameter Values.

		Aquifer Parameters			
		Horizontal Conductivity (Kh)	**Specific Storage (Ss)**	**Specific Yield (Sy)**	**Vertical Conductivity (Kv)**
Lithology Type	**Gravel**	500	1.64E-06	0.2	268
	Sand	300	2.44E-06	0.2	35
	Silt	5	3.68E-06	0.1	0.06
	Clay	0.49	1.39E-05	0.03	0.028
	Basement	0.005	2.40E-06	0.025	5.00E-03
Units		ft/d	ft^{-1}	-	ft/d
Eastern Area Consolidation Factor	**Layer 1**	0.5	1	1	0.5
	Layer 2	0.5	1	1	0.5
	Layer 3	0.5	1	1	0.5
	Layer 4	0.5	1	0.5	0.5
	Layer 5	0.5	1	0.5	0.5
	Layer 6	0.5	1	0.5	0.5
Depth Decay Factor	**Layer 1**	1	1	1	1
	Layer 2	1	1	1	1
	Layer 3	1	1	1	1
	Layer 4	0.4	0.6	0.6	0.4
	Layer 5	0.2	0.4	0.6	0.2
	Layer 6	0.2	0.2	0.6	0.2
	Layer 7	0.00001	0.00001	0.00001	0.00001

4.1.3 Groundwater Levels

A subset of the 2,377 wells that have observed groundwater levels in the study area was selected for model calibration. Wells were selected to provide a broad representation of the model domain based on the spatial distribution, availability of associated well construction information, depth zone of well completion (e.g., Upper Aquifer, Lower Aquifer), and period of record of available water level data. A total of 177 wells were selected to be used in calibration of MCSim with a total of 8,928 water level observations during the calibration period. Simulated and observed groundwater elevations were compared over the 1988 through 2015 calibration period. Well hydrographs of simulated and observed groundwater elevations used for model calibration are included in **Appendix A6.D-B**.

To quantify model fit between the simulated and observed groundwater levels, residual (simulated minus observed) groundwater levels were calculated for each well. To summarize calibration results, a single model layer was selected to compare to observed water levels. In some cases, a well is constructed across multiple model layers, or no construction details were available to determine where the well was screened. In these cases, a single model layer was chosen for each well based on a qualitative review of the hydrograph.

A histogram of residual groundwater elevations for all observations is shown in **Figure A6.D-4-32**. Residual groundwater levels range from -184 feet to 171 feet, with 41 percent of simulated groundwater elevations within 10 feet of observed and 73 percent of simulated groundwater elevations within 20 feet of observed. A review of average residual groundwater elevations by well (**Figure A6.D-4-33**) shows that 92 wells, or 52 percent of total, have an average residual groundwater elevation within 10 feet of observed, while 131 wells, or 74 percent of total, have an average residual groundwater elevation within 20 feet of observed. Average residual groundwater elevations by well range from -97 feet to 46 feet.

The relation between observed and simulated groundwater elevations is shown by layer in **Figure A6.D-4-34**. Points plotting above 1-to-1 correlation line represent observations where MCSim is simulating higher than observed groundwater elevations, while points plotting below the 1-to-1 correlation line represent observations where MCSim simulating lower than observed groundwater elevations. In general, points are plotting close to the 1-to-1 correlation line, indicating a good model fit.

The relationship between residual and observed groundwater elevations is shown by layer in **Figure A6.D-4-35**. This figure shows that the model generally predicts water levels close to observed in the Upper Aquifer. The model tends to predict higher than observed levels at lower observed groundwater elevations, while the model tends to predict lower than observed levels at higher observed groundwater elevations in the Lower Aquifer, particularly in Layer 4.

The spatial distribution of residual errors in the simulated levels are presented in **Figure A6.D-4-36**. Chowchilla Subbasin is generally well calibrated. Madera Subbasin is also generally well calibrated; however, residuals tend to increase in the eastern portion of the subbasin and along subbasin boundaries. The spatial distribution of residual errors in the simulated levels by layer are presented in **Figure A6.D-4-37**. The greatest residuals are generally observed in the Lower Aquifer. Layer 4 is generally well calibrated in the western portions of Chowchilla and Madera Subbasins, but residuals tend to increase in the eastern portions of the Subbasins. Layer 5 is generally well calibrated in both Chowchilla and Madera Subbasins, with the exception of the southwestern border of Madera Subbasin and along the Chowchilla Bypass in Chowchilla Subbasin.

4.1.4 Stream Flow

Observed stream flow was compared to simulated stream flow at 12 locations (**Figure A6.D-4-38**). Observed stream flow data were available from 16 stations for these 12 locations from the USGS and California Data Exchange Center (CDEC). Hydrographs of observed versus simulated stream flows are available in **Appendix A6.D-C**. In general, simulated stream flows closely match observed stream flows, where data are available.

Because observed stream flow data were only available along the San Joaquin River, stream seepage estimates developed outside the model for ungaged waterways were also used to inform the calibration of stream flow along modeled stream reaches where observed data are not available. Table A6.D-4-2 presents a comparison of the average annual residual (simulated minus estimated values) for stream seepage values for all simulated streams in the model domain.

Table A6.D-4-2. Summary of Residual Average Annual Stream Seepage.

	Water Year Type						
	W	AN	BN	D	C	Total	
Madera Subbasin	-5,555	-3,970	-6,034	-5,321	-6,312	-5,660	AF/month
Chowchilla Subbasin	9,220	3,177	-57	908	1,235	3,673	AF/month
MCSim	1,161	-721	-3,317	-2,489	-2,882	-1,418	AF/month

4.1.5 Groundwater Pumping

Over the historical model period, on average 20 percent of pumping occurred in the Upper Aquifer and 80 percent occurred in the Lower Aquifer within the Chowchilla Subbasin. Pumping shifts toward greater Upper Aquifer pumping during the projected model period, with an average of 35 percent in the Upper Aquifer and 65 percent in the Lower Aquifer during the Implementation Period (2020-2039), and an average of 34 percent in the Upper Aquifer and 66 percent in the Lower Aquifer during the Sustainability Period (2040-2090).

In accordance with the need to reduce pumping from the Lower Aquifer in many parts of the Western MA of the Chowchilla Subbasin to mitigate for potential subsidence impacts, much of the pumping that occurred from the Lower Aquifer in the Western MA under the historical simulations was shifted into the Upper Aquifer model layers for the projected simulations. Over the historical model period, on average 48 percent of pumping occurred in the Upper Aquifer and 52 percent occurred in the Lower Aquifer within the Western MA. During the projected model period, there was an average of 86 percent of total pumping in the Upper Aquifer and 14 percent in the Lower Aquifer during the Implementation Period (2020-2039), and an average of 87 percent of total pumping in the Upper Aquifer and 13 percent in the Lower Aquifer during the Sustainability Period (2040-2090). This shift results in an average of about 0.25 AF/ac per year of pumping from the Lower Aquifer within the Western MA in the projected simulation.

Over the historical model period, on average 30 percent of pumping occurred in the Upper Aquifer and 70 percent occurred in the Lower Aquifer within the Madera Subbasin. Pumping remains essentially constant during the projected model period, with an average of 27 percent in the Upper Aquifer and 73 percent in the Lower Aquifer during the Implementation Period (2020-2039), and an average of 28 percent in the Upper Aquifer and 72 percent in the Lower Aquifer during the Sustainability Period (2040-2090).

4.2 Water Budget

Separate groundwater budgets were generated for both the Chowchilla and Madera Subbasins for each of the model simulations. Water budget results are presented in the following sections.

4.2.1 Historical Period, 1989-2015

The water budget during the historical calibration period simulation was calculated for the 1989-2015 water years from October 1, 1988 through September 30, 2015.

Table A6.D-4-3. Summary of Historical and Projected Groundwater Pumping in MCSim.

		Madera Subbasin	Chowchilla Subbasin	Western MA (Chowchilla)	
		348,953	145,684	45,079	ac
Historical Period (1989-2015)	Upper	143,632	51,414	46,338	AF/yr
	Lower	336,667	209,813	50,651	AF/yr
	Upper	0.41	0.35	1.03	AF/ac/yr
	Lower	0.96	1.44	1.12	AF/ac/yr
	Upper	30%	20%	48%	%
	Lower	70%	80%	52%	%
Implementation Period (2020-2039)	Upper	133,197	96,471	91,994	AF/yr
	Lower	358,569	180,187	15,016	AF/yr
	Upper	0.38	0.66	2.04	AF/ac/yr
	Lower	1.03	1.24	0.33	AF/ac/yr
	Upper	27%	35%	86%	%
	Lower	73%	65%	14%	%
Sustainability Period (2040-2090)	Upper	124,775	84,773	79,721	AF/yr
	Lower	322,587	163,701	11,665	AF/yr
	Upper	0.36	0.58	1.77	AF/ac/yr
	Lower	0.92	1.12	0.26	AF/ac/yr
	Upper	28%	34%	87%	%
	Lower	72%	66%	13%	%

4.2.1.1 Chowchilla Subbasin

Change in groundwater storage shows an overall decrease of approximately 976,000 acre-feet (AF) over the 28-year period or an average decrease of about 36,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 57,000 AF per year. Deep percolation accounts for an average recharge of about 120,000 AF per year. Groundwater pumping accounts for an average discharge of about 261,000 AF per year. Net subsurface inflow accounts for an average of about 49,000 AF per year with approximately 17,000 AF per year of net inflow from Madera Subbasin, 5,000 AF per year of net inflow from Merced Subbasin, and 27,000 AF per year of net inflow from Delta-Mendota Subbasin. There is significant uncertainty in subsurface inflow/outflow estimates because these calculations depend on a variety of factors inside and outside the subbasin.

Detailed historical water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.1.a.** and **Appendix A6.D-D.1.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-B**.

4.2.1.2 Madera Subbasin

Change in groundwater storage shows an overall decrease of approximately 1,250,000 AF over the 28-year period or an average decrease of about 46,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 140,000 AF per year. Deep percolation accounts for an average recharge of about 223,000 AF per year. Groundwater pumping accounts for an average discharge of about 480,000 AF per year. Net subsurface inflow accounts for an average of about 70,000 AF per year with approximately 17,000 AF per year of net outflow to Chowchilla Subbasin, 60 AF per year of net inflow from Merced Subbasin, 22,000 AF per year of net inflow from Delta-Mendota Subbasin, and 65,000 AF per year of net inflow from Kings Subbasin. There is significant

uncertainty in subsurface inflow/outflow estimates because these calculations depend on a variety of factors inside and outside the subbasin.

Detailed historical water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.1.b.** and **Appendix A6.D-D.1.d.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-B**.

4.2.2 Implementation Period, 2020-2039

The water budget during the implementation period simulation was calculated for the 2020-2039 water years from October 1, 2019 through September 30, 2039.

4.2.2.1 Chowchilla Subbasin

Projected with Projects

Change in groundwater storage shows an overall decrease of approximately 347,000 AF over the 20-year period or an average decrease of about 17,000 AF per year. Net stream seepage, which includes in-channel seepage, conveyance losses and project recharge, accounts for an average recharge of about 81,000 AF per year. Deep percolation accounts for an average recharge of about 112,000 AF per year. Groundwater pumping accounts for an average discharge of about 277,000 AF per year. Net subsurface inflow accounts for an average of about 66,000 AF per year with approximately 25,000 AF per year of net inflow from Madera Subbasin, 2,000 AF per year of net outflow to Merced Subbasin, and 43,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected with projects water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.2.a.** and **Appendix A6.D-D.2.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.1**.

Projected with Projects, with Climate Change

Change in groundwater storage shows an overall decrease of approximately 730,000 AF over the 20-year period or an average decrease of about 36,000 AF per year. Net stream seepage, which includes in-channel seepage, conveyance losses and project recharge, accounts for an average recharge of about 90,000 AF per year. Deep percolation accounts for an average recharge of about 114,000 AF per year. Groundwater pumping accounts for an average discharge of about 318,000 AF per year. Net subsurface inflow accounts for an average of about 77,000 AF per year with approximately 25,000 AF per year of net inflow from Madera Subbasin, 14,000 AF per year of net inflow from Merced Subbasin, and 39,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected with projects with climate change water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.3.a.** and **Appendix A6.D-D.3.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.2**.

Projected No Action

Change in groundwater storage shows an overall decrease of approximately 1,150,000 AF over the 20-year period or an average decrease of about 57,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 61,000 AF per year. Deep percolation accounts for an average recharge of about 111,000 AF per year. Groundwater pumping accounts for an average discharge of about 303,000 AF per year. Net subsurface inflow accounts for an average of about 73,000 AF per year with approximately 36,000 AF per year of net inflow from Madera Subbasin, 13,000 AF per year of net outflow to Merced Subbasin, and 50,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.4.a.** and **Appendix D.4.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.3**.

Projected No Action, with Climate Change

Change in groundwater storage shows an overall decrease of approximately 1,730,000 AF over the 20-year period or an average decrease of about 87,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 54,000 AF per year. Deep percolation accounts for an average recharge of about 110,000 AF per year. Groundwater pumping accounts for an average discharge of about 344,000 AF per year. Net subsurface inflow accounts for an average of about 93,000 AF per year with approximately 37,000 AF per year of net inflow from Madera Subbasin, 1,400 AF per year of net inflow from Merced Subbasin, and 55,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected with climate change water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.5.a.** and **Appendix A6.D-D.5.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.4**.

4.2.2.2 Madera Subbasin

Projected with Projects

Change in groundwater storage shows an overall decrease of approximately 634,000 AF over the 20-year period or an average decrease of about 32,000 AF per year. Net stream seepage, which includes in-channel seepage, conveyance losses, and project recharge, accounts for an average recharge of about 166,000 AF per year. Deep percolation accounts for an average recharge of about 199,000 AF per year. Groundwater pumping accounts for an average discharge of about 492,000 AF per year. Net subsurface inflow accounts for an average of about 95,000 AF per year with approximately 25,000 AF per year of net outflow to Chowchilla Subbasin, 60 AF per year of net inflow from Merced Subbasin, 41,000 AF per year of net inflow from Delta-Mendota Subbasin, and 80,000 AF per year of net inflow from Kings Subbasin.

Detailed projected with projects water budget results for Madera Subbasin are presented in **Appendix A6.D-D.2.b.** and **Appendix A6.D-D.2.d.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.1**.

Projected with Projects, with Climate Change

Change in groundwater storage shows an overall decrease of approximately 1,200,000 AF over the 20-year period or an average decrease of about 61,000 AF per year. Net stream seepage, which includes in-channel seepage, conveyance losses, and project recharge, accounts for an average recharge of about 162,000 AF per year. Deep percolation accounts for an average recharge of about 199,000 AF per year. Groundwater pumping accounts for an average discharge of about 530,000 AF per year. Net subsurface inflow accounts for an average of about 109,000 AF per year with approximately 25,000 AF per year of net outflow to Chowchilla Subbasin, 60 AF per year of net inflow from Merced Subbasin, 46,000 AF per year of net inflow from Delta-Mendota Subbasin, and 88,000 AF per year of net inflow from Kings Subbasin.

Detailed projected with projects with climate change water budget results for Madera Subbasin are presented in **Appendix A6.D-D.3.b.** and **Appendix A6.D-D.3.d.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.2**.

Projected No Action

Change in groundwater storage shows an overall decrease of approximately 2,040,000 AF over the 20-year period or an average decrease of about 102,000 AF per year. Net stream seepage, which includes in-

channel seepage and conveyance losses, accounts for an average recharge of about 144,000 AF per year. Deep percolation accounts for an average recharge of about 192,000 AF per year. Groundwater pumping accounts for an average discharge of about 546,000 AF per year. Net subsurface inflow accounts for an average of about 107,000 AF per year with approximately 36,000 AF per year of net outflow to Chowchilla Subbasin, 60 AF per year of net inflow from Merced Subbasin, 63,000 AF per year of net inflow from Delta-Mendota Subbasin, and 81,000 AF per year of net inflow from Kings Subbasin.

Detailed projected water budget results for Madera Subbasin are presented in **Appendix A6.D-D.4.b.** and **Appendix A6.D-D.4.d.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.3**.

Projected No Action, with Climate Change

Change in groundwater storage shows an overall decrease of approximately 2,810,000 AF over the 20-year period or an average decrease of about 140,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 130,000 AF per year. Deep percolation accounts for an average recharge of about 193,000 AF per year. Groundwater pumping accounts for an average discharge of about 585,000 AF per year. Net subsurface inflow accounts for an average of about 122,000 AF per year with approximately 37,000 AF per year of net outflow to Chowchilla Subbasin, 60 AF per year of net inflow from Merced Subbasin, 74,000 AF per year of net inflow from Delta-Mendota Subbasin, and 85,000 AF per year of net inflow from Kings Subbasin.

Detailed projected with climate change water budget results for Madera Subbasin are presented in **Appendix A6.D-D.5.b.** and **Appendix A6.D-D.5.d.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.4**.

4.2.3 Sustainability Period, 2040-2090

The water budget during the sustainability period simulation was calculated for the 2040-2090 water years from October 1, 2039 through September 30, 2090.

4.2.3.1 Chowchilla Subbasin

Projected with Projects

Change in groundwater storage shows an overall increase of approximately 124,000 AF over the 50-year period or an average increase of about 2,400 AF per year. Net stream seepage, which includes in-channel seepage, conveyance losses and project recharge, accounts for an average recharge of about 120,000 AF per year. Deep percolation accounts for an average recharge of about 121,000 AF per year. Groundwater pumping accounts for an average discharge of about 121,000 AF per year. Net subsurface inflow accounts for an average of about 9,700 AF per year with approximately 30,000 AF per year of net inflow from Madera Subbasin, 41,000 AF per year of net outflow to Merced Subbasin, and 21,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected with projects water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.2.a.** and **Appendix A6.D-D.2.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.1**.

Projected with Projects, with Climate Change

Change in groundwater storage shows an overall increase of approximately 115,000 AF over the 50-year period or an average increase of about 2,200 AF per year. Net stream seepage, which includes in-channel seepage, conveyance losses and project recharge, accounts for an average recharge of about 134,000 AF per year. Deep percolation accounts for an average recharge of about 123,000 AF per year. Groundwater pumping accounts for an average discharge of about 276,000 AF per year. Net subsurface inflow accounts

for an average of about 21,000 AF per year with approximately 28,000 AF per year of net inflow from Madera Subbasin, 27,000 AF per year of net outflow to Merced Subbasin, and 20,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected with projects with climate change water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.3.a.** and **Appendix A6.D-D.3.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.2**.

Projected No Action

Change in groundwater storage shows an overall decrease of approximately 2,125,000 AF over the 50-year period or an average decrease of about 42,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 67,000 AF per year. Deep percolation accounts for an average recharge of about 117,000 AF per year. Groundwater pumping accounts for an average discharge of about 298,000 AF per year. Net subsurface inflow accounts for an average of about 71,000 AF per year with approximately 46,000 AF per year of net inflow from Madera Subbasin, 18,000 AF per year of net outflow to Merced Subbasin, and 44,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.4.a.** and **Appendix A6.D-D.4.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.3**.

Projected No Action, with Climate Change

Change in groundwater storage shows an overall decrease of approximately 1,970,000 AF over the 50-year period or an average decrease of about 39,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 69,000 AF per year. Deep percolation accounts for an average recharge of about 115,000 AF per year. Groundwater pumping accounts for an average discharge of about 314,000 AF per year. Net subsurface inflow accounts for an average of about 91,000 AF per year with approximately 44,000 AF per year of net inflow from Madera Subbasin, 7,000 AF per year of net outflow to Merced Subbasin, and 54,000 AF per year of net inflow from Delta-Mendota Subbasin.

Detailed projected with climate change water budget results for Chowchilla Subbasin are presented in **Appendix A6.D-D.5.a.** and **Appendix A6.D-D.5.c.**, and groundwater elevation hydrographs at select wells are included in **Appendix A6.D-E.4**.

4.2.3.2 Madera Subbasin

Projected with Projects

Change in groundwater storage shows an overall increase of approximately 523,000 AF over the 50-year period or an average increase of about 10,000 AF per year. Net stream seepage, which includes in-channel seepage conveyance losses, and project recharge, accounts for an average recharge of about 217,000 AF per year. Deep percolation accounts for an average recharge of about 219,000 AF per year. Groundwater pumping accounts for an average discharge of about 447,000 AF per year. Net subsurface inflow accounts for an average of about 21,000 AF per year with approximately 30,000 AF per year of net outflow to Chowchilla Subbasin, 20 AF per year of net inflow from Merced Subbasin, 6,000 AF per year of net inflow from Delta-Mendota Subbasin, and 45,000 AF per year of net inflow from Kings Subbasin.

Detailed projected with projects water budget results for Madera Subbasin are presented in **Appendix A6.D-D.2.b.** and **Appendix A6.D-D.2.d.**, and groundwater elevation hydrographs for select wells are included in **Appendix A6.D-E.1**.

Projected with Projects, with Climate Change

Change in groundwater storage shows an overall increase of approximately 493,000 AF over the 50-year period or an average increase of about 10,000 AF per year. Net stream seepage, which includes in-channel seepage conveyance losses, and project recharge, accounts for an average recharge of about 228,000 AF per year. Deep percolation accounts for an average recharge of about 219,000 AF per year. Groundwater pumping accounts for an average discharge of about 479,000 AF per year. Net subsurface inflow accounts for an average of about 41,000 AF per year with approximately 28,000 AF per year of net outflow to Chowchilla Subbasin, 20 AF per year of net inflow from Merced Subbasin, 12,000 AF per year of net inflow from Delta-Mendota Subbasin, and 57,000 AF per year of net inflow from Kings Subbasin.

Detailed projected with projects with climate change water budget results for Madera Subbasin are presented in **Appendix A6.D-D.3.b.** and **Appendix A6.D-D.3.d.**, and groundwater elevation hydrographs are included in **Appendix A6.D-E.2**.

Projected No Action

Change in groundwater storage shows an overall decrease of approximately 3,095,000 AF over the 50-year period or an average decrease of about 61,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 162,000 AF per year. Deep percolation accounts for an average recharge of about 217,000 AF per year. Groundwater pumping accounts for an average discharge of about 548,000 AF per year. Net subsurface inflow accounts for an average of about 108,000 AF per year with approximately 46,000 AF per year of net outflow to Chowchilla Subbasin, 40 AF per year of net inflow from Merced Subbasin, 82,000 AF per year of net inflow from Delta-Mendota Subbasin, and 72,000 AF per year of net inflow from Kings Subbasin.

Detailed projected water budget results for Madera Subbasin are presented in **Appendix A6.D-D.4.b.** and **Appendix A6.D-D.4.d.**, and groundwater elevation hydrographs are included in **Appendix A6.D-E.3**.

Projected No Action, with Climate Change

Change in groundwater storage shows an overall decrease of approximately 3,080,000 AF over the 50-year period or an average decrease of about 60,000 AF per year. Net stream seepage, which includes in-channel seepage and conveyance losses, accounts for an average recharge of about 158,000 AF per year. Deep percolation accounts for an average recharge of about 214,000 AF per year. Groundwater pumping accounts for an average discharge of about 565,000 AF per year. Net subsurface inflow accounts for an average of about 131,000 AF per year with approximately 44,000 AF per year of net outflow to Chowchilla Subbasin, 40 AF per year of net inflow from Merced Subbasin, 98,000 AF per year of net inflow from Delta-Mendota Subbasin, and 77,000 AF per year of net inflow from Kings Subbasin.

Detailed projected with climate change water budget results for Madera Subbasin are presented in **Appendix A6.D-D.5.b.** and **Appendix A6.D-D.5.d.**, and groundwater elevation hydrographs are included in **Appendix A6.D-E.4**.

5 MODEL UNCERTAINTY AND LIMITATIONS

Any groundwater flow model is a simplification of the natural environment, and therefore has recognized limitations. For this reason, uncertainty exists in the ability of any numerical model to completely represent groundwater flow. Some of the uncertainty is associated with limitations in available data. Considerable effort was made to reduce model uncertainty by using measured values as model inputs whenever available, and by conducting quality assurance and quality control assessments of data that were obtained. Where limited data exist to develop input values for parameters or other inputs with high uncertainty, a conservative approach to assigning input values was followed.

The finding and conclusions of this study are focused on a Subbasin scale and use of the model for site-specific analysis should be conducted with an understanding that representation of local site-specific conditions may be approximate and should be verified with local site-specific investigations. The flow model was developed in a manner consistent with the level of care and skill normally exercised by professionals practicing under similar conditions in the area. There is no warranty, expressed or implied, that this modeling study has considered or addresses all hydrogeological, hydrological, environmental, geotechnical or other characteristics and properties associated with the subject model domain and the simulated system.

6 CONCLUSIONS AND RECOMMENDATIONS

Based on the calibration of MCSim to historical conditions for the calibration period from water year 1989 to 2015 and accompanying assessment of model sensitivity, the MCSim groundwater flow model is suitable for use as a tool to support management of water resources within the Madera and Chowchilla Subbasins.

6.1 Conclusions

MCSim provides a useful tool for evaluating a wide variety of future scenarios and inform the decision-making process to achieve and maintain sustainable groundwater management in both the Madera and Chowchilla Subbasins. A numerical model can be a convenient and cost-efficient tool for providing insights into groundwater responses to various perturbations including natural variability and change, and also changes associated with management decisions or other humanmade conditions. However, as with any other modeling tool, information obtained from a numerical model also has a level of uncertainty, especially for long-term predictions or forecasts. The level of uncertainty associated with model simulations are likely to increase the more the scenarios extend beyond the range of historical conditions and processes over which the model was calibrated, such as for long-term predictive scenarios or predictive scenarios with extreme alterations to the hydrologic conditions.

6.2 Recommendations

Future and ongoing updates to MCSim will be valuable for improving the model performance and verifying the accuracy of the model predictions. Using data from the ongoing monitoring efforts and forthcoming GSP monitoring, MCSim should be updated periodically, including through extending of the model period and associated inputs. Although the frequency of conducting model updates may depend on a variety of factors, including evaluation of the model performance in predicting future conditions, such an update could initially be considered every five years. This frequency of model update should be adequate and cost effective to test and improve MCSim periodically with new site-specific and monitoring information. Groundwater elevations, groundwater pumping, rainfall, and stream discharge should be collected on an ongoing basis, to the extent possible, at intervals of at least monthly for pumpage, rainfall, and streamflow, and less frequently (semi-annually at least) for groundwater levels. The new groundwater data should be compared with the respective model simulation results so that the flow model can be verified into the future. If the differences between the measured groundwater data and MCSim's predicted results are significant, adjustment and modification may be applied to the model input parameters.

MCSim has been calibrated and verified. It adheres closely to site-specific observed data so that model input parameters are reasonable and appropriate especially within the Chowchilla and Madera Subbasins. Additional model revisions should be conducted in areas outside the Chowchilla and Madera Subbasins as that data is obtained from adjacent GSAs.

Further refinement to MCSim should be made by addressing key data gaps. Upon release of a calibrated C2VSimFG model, an evaluation should be done to incorporate any relevant aspects of the model into MCSim, as appropriate and necessary. In particular, a calibrated land subsidence simulation package should be incorporated into MCSim. This capability is anticipated with the future release of the calibrated C2VSimFG model. Updates to aquifer parameters (and model layering if needed) can be made through refinement of the depth of basement materials in the eastern model area and incorporation of lithologic information developed from new monitoring well construction efforts anticipated for completion by 2020.

Through upcoming GSP-related monitoring, additional groundwater level data can be used to refine boundary condition water levels and improve model calibration. Additional improvements to model calibration can be made by the potential linking of additional well construction information to calibration wells, incorporation of additional stream flow data on ungaged streams, and refinements to the simulation of surface water distribution systems. Further refinements to MCSim can be made by extending the historical base period and ongoing updating of model calibration in preparation for 5-year GSP status/update report.

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