## **2004 Draft Form Contract**

and

## **Summaries of the 2003 Draft Contract Provisions**

(**Table 1** General Summary and Comparison of Draft 2003 Contract Provisions and **Table 2** Elements Unique to Existing and Interim Contracts)

The Final Draft Contracts (June 2004) are available upon request at the Shasta Area Office of the U.S. Bureau of Reclamation 530/275-1554, or you may view the draft contracts at: http://www.usbr.gov/mp/cvpia/3404c/1004FOC

1 UNITED STATES
2 DEPARTMENT OF THE INTERIOR
3 BUREAU OF RECLAMATION
4 Central Valley Project, California

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## LONG-TERM RENEWAL CONTRACT BETWEEN THE UNITED STATES **AND** PROVIDING FOR PROJECT WATER SERVICE FROM DIVISION THIS CONTRACT, made this \_\_\_\_\_ day of \_\_\_\_\_\_, 2004, in pursuance generally of the Act of June 17, 1902 (32 Stat. 388), and acts amendatory or supplementary thereto, including, but not limited to, the Acts of August 26, 1937 (50 Stat. 844), as amended and supplemented, August 4, 1939 (53 Stat. 1187), as amended and supplemented, July 2, 1956 (70 Stat. 483), June 21, 1963 (77 Stat. 68), October 12, 1982 (96 Stat. 1263), October 27, 1986 (100 Stat. 3050), as amended, and Title XXXIV of the Act of October 30, 1992 (106 Stat. 4706), all collectively hereinafter referred to as Federal Reclamation law, between THE UNITED STATES OF AMERICA, hereinafter referred to as the United States, and \_\_\_\_\_, hereinafter referred to as the Contractor, a public agency of the State of California, duly organized, existing, and acting pursuant to the laws thereof; WITNESSETH, That: **EXPLANATORY RECITALS**

22	[1 <sup>st</sup> ] WHEREAS, the United States has constructed and is operating the Central Valley
23	Project (Project), California, for diversion, storage, carriage, distribution and beneficial use, for
24	flood control, irrigation, municipal, domestic, industrial, fish and wildlife mitigation, protection
25	and restoration, generation and distribution of electric energy, salinity control, navigation and
26	other beneficial uses, of waters of the Sacramento River, the American River, the Trinity River,
27	and the San Joaquin River and their tributaries; and
28	[2 <sup>nd</sup> ] WHEREAS, the United States constructed,
29	hereinafter collectively referred to as the [Division/Unit] facilities, which will
30	be used in part for the furnishing of water to the Contractor pursuant to the terms of this
31	Contract; and
32	[3 <sup>rd</sup> ] WHEREAS, the rights to Project Water were acquired by the United States
33	pursuant to California law for operation of the Project; and
34	[4 <sup>th</sup> ] WHEREAS, the Contractor and the United States entered into Contract
35	No, as amended, which established terms for the delivery to the Contractor of
36	Project Water from the [Division/Unit] from through
37	[For binding agreement contractors only: (hereinafter referred to as
38	the "Existing Contract," ]; and [Contractor specific issue as to "as amended"]
39	[5 <sup>th</sup> ] [FOR IRC'S] WHEREAS, the Contractor and the United States have pursuant to
40	subsection 3404(c)(1) of the Central Valley Project Improvement Act (CVPIA), subsequently
41	entered into interim renewal contract(s) identified as Contract No(s),
42	the current of which is hereinafter referred to as the Existing Contract, which provided for the
43	continued water service to the Contractor from through
44	; and

[5<sup>th</sup>] [For Binding Agreement Contractors] WHEREAS, the United States and the Contractor have, pursuant to Subsection 3404(c)(3) of the Central Valley Project Improvement Act (CVPIA)<sup>1</sup>, subsequently entered into a binding agreement, identified as Binding Agreement No. , which sets out the terms pursuant to which the Contractor agreed to renew the Existing Contract before its expiration date after completion of a programmatic environmental impact statement and other appropriate environmental documentation and negotiation of a renewal contract, and which also sets out the consequences of a subsequent decision not to renew; and WHEREAS, Section 3404(c) of the CVPIA<sup>2</sup> provides for long-term renewal of the Existing Contract following completion of appropriate environmental documentation, including a programmatic environmental impact statement PEIS pursuant to the National Environmental Policy Act (NEPA), analyzing the direct and indirect impacts and benefits of implementing the CVPIA and the potential renewal of all existing contracts for Project Water; and [7<sup>th</sup>] WHEREAS, the United States has completed the PEIS and all other appropriate environmental review necessary to provide for long-term renewal of the Existing Contract; and [8<sup>th</sup>] WHEREAS, the Contractor has requested the long-term renewal of the Existing Contract, pursuant to the terms of the Existing Contract, Federal Reclamation law, and the laws of the State of California, for water service from the Project; and [9<sup>th</sup>] WHEREAS, the United States has determined that the Contractor has fulfilled all

of its obligations under the Existing Contract; and

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<sup>&</sup>lt;sup>1</sup> Contractor Specific Issue: citation of Sec. 3404(c)(3) in M&I only contracts.

<sup>&</sup>lt;sup>2</sup> Contractor Specific Issue: citation of Sec. 3404(c) in M&I only contracts.

[10<sup>th</sup>] [CONTRACTOR SPECIFIC] WHEREAS, the Contractor has demonstrated to the satisfaction of the Contracting Officer that the Contractor has utilized the Project Water supplies available to it for reasonable and beneficial use and/or has demonstrated projected future demand for water use such that the Contractor has the capability<sup>3</sup> and expects to utilize fully for reasonable and beneficial use the quantity of Project Water to be made available to it pursuant to this Contract; and

[11<sup>th</sup>] WHEREAS, water obtained from the Project has been relied upon by urban and agricultural areas within California for more than 50 years, and is considered by the Contractor as an essential portion of its water supply; and

[12<sup>th</sup>] WHEREAS, the economies of regions within the Project, including the Contractor's, depend upon the continued availability of water, including water service from the Project; and

[13<sup>th</sup>] WHEREAS, the Secretary intends through coordination, cooperation, and partnerships to pursue measures to improve water supply, water quality, and reliability of the Project for all Project purposes; and

[14<sup>th</sup>] WHEREAS, the mutual goals of the United States and the Contractor include: to provide for reliable Project Water supplies; to control costs of those supplies; to achieve repayment of the Project as required by law; to guard reasonably against Project Water shortages; to achieve a reasonable balance among competing demands for use of Project Water; and to comply with all applicable environmental statutes, all consistent with the legal obligations

<sup>&</sup>lt;sup>3</sup> Contractor Specific issue - This recital may need to be modified for individual contractors who do not have the capability today to take Project Water but can demonstrate that they will have the capability to take Project Water prior to the delivery of water.

86 of the United States relative to the Project; and [15<sup>th</sup>] WHEREAS, the parties intend by this Contract to develop a more cooperative 87 88 relationship in order to achieve their mutual goals; and [16<sup>th</sup>] WHEREAS, the United States and the Contractor are willing to enter into this 89 90 Contract pursuant to Federal Reclamation law on the terms and conditions set forth below; 91 NOW, THEREFORE, in consideration of the mutual and dependent covenants herein 92 contained, it is hereby mutually agreed by the parties hereto as follows: 93 **DEFINITIONS** 94 1. When used herein unless otherwise distinctly expressed, or manifestly 95 incompatible with the intent of the parties as expressed in this Contract, the term: 96 "Calendar Year" shall mean the period January 1 through December 31, (a) 97 both dates inclusive; 98 (b) "Charges" shall mean the payments required by Federal Reclamation law 99 in addition to the Rates and Tiered Pricing Component specified in this Contract as determined 100 annually by the Contracting Officer pursuant to this Contract; 101 (c) "Condition of Shortage" shall mean a condition respecting the Project 102 during any Year such that the Contracting Officer is unable to deliver sufficient water to meet the Contract Total:<sup>4</sup> 103 (d) "Contracting Officer" shall mean the Secretary of the Interior's duly 104 105 authorized representative acting pursuant to this Contract or applicable Federal Reclamation law 106 or regulation;

<sup>4</sup> May need to be modified for some divisions, including a definition of interruption of supply.

(e)

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"Contract Total" shall mean the maximum amount of water to which the

Contractor is entitled under subdivision (a) of Article 3 of this Contract;

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- (f) "Contractor's Service Area" shall mean the area to which the Contractor is permitted to provide Project Water under this Contract as described in Exhibit "A" attached hereto, which may be modified from time to time in accordance with Article 35 of this Contract without amendment of this Contract;<sup>5</sup>
- (g) "CVPIA" shall mean the Central Valley Project Improvement Act, Title XXXIV of the Act of October 30, 1992 (106 Stat. 4706);
- (h) "Eligible Lands" shall mean all lands to which Irrigation Water may be delivered in accordance with Section 204 of the Reclamation Reform Act of October 12, 1982 (96 Stat. 1263), as amended, hereinafter referred to as RRA;
- (i) "Excess Lands" shall mean all lands in excess of the limitations contained in Section 204 of the RRA, other than those lands exempt from acreage limitation under Federal Reclamation law;
- (j) "Full Cost Rate" shall mean an annual rate as determined by the Contracting Officer that shall amortize the expenditures for construction properly allocable to the Project irrigation or M&I functions, as appropriate, of facilities in service including all O&M deficits funded, less payments, over such periods as may be required under Federal Reclamation law, or applicable contract provisions. Interest will accrue on both the construction expenditures and funded O&M deficits from October 12, 1982, on costs outstanding at that date, or from the date incurred in the case of costs arising subsequent to October 12, 1982, and shall be calculated in accordance with subsections 202(3)(B) and (3)(C) of the RRA. The Full Cost Rate includes

 $<sup>^{5}</sup>$  Some Contractors may propose alternate language. Some Contractors may use a legal description, others may use a map.

actual operation, maintenance, and replacement costs consistent with Section 426.2 of the Rules and Regulations for the RRA;

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- (k) "Ineligible Lands" shall mean all lands to which Irrigation Water may not be delivered in accordance with Section 204 of the RRA;
- (l) "Irrigation Full Cost Water Rate" shall mean the Full Cost Rate applicable to the delivery of Irrigation Water;
- (m) "Irrigation Water" shall mean water made available from the Project that is used primarily in the production of agricultural crops or livestock, including domestic use incidental thereto, and watering of livestock;
- (n) "Landholder" shall mean a party that directly or indirectly owns or leases nonexempt land, as provided in 43 CFR 426.2;
- (o) "Municipal and Industrial (M&I) Water" shall mean Project Water, other than Irrigation Water, made available to the Contractor. M&I Water shall include water used for human use and purposes such as the watering of landscaping or pasture for animals (e.g., horses) which are kept for personal enjoyment or water delivered to land holdings operated in units of less than five acres unless the Contractor establishes to the satisfaction of the Contracting Officer that the use of water delivered to any such landholding is a use described in subdivision (m) of this Article;
- (p) "M&I Full Cost Water Rate" shall mean the Full Cost Rate applicable to the delivery of M&I Water;

<sup>&</sup>lt;sup>7</sup> Some Contractors may want to include "other water" definition in lieu of this definition. Individual Contractors with unique circumstances may negotiate a lower threshold.

149	(q) "Operation and Maintenance" or "O&M" shall mean normal and
150	reasonable care, control, operation, repair, replacement (other than capital replacement), and
151	maintenance of Project facilities;
152	(r) "Operating Non-Federal Entity" shall mean the, its
153	successors or assigns, a non-Federal entity which has the obligation to operate and maintain all
154	or a portion of the [Division/Unit] facilities pursuant to an agreement with the
155	United States, and which may have funding obligations with respect thereto;
156	(s) "Project" shall mean the Central Valley Project owned by the United
157	States and managed by the Department of the Interior, Bureau of Reclamation;
158	(t) "Project Contractors" shall mean all parties who have water service
159	contracts for Project Water from the Project with the United States pursuant to Federal
160	Reclamation law;
161	(u) "Project Water" shall mean all water that is developed, diverted, stored, or
162	delivered by the Secretary in accordance with the statutes authorizing the Project and in
163	accordance with the terms and conditions of water rights acquired pursuant to California law;
164	(v) "Rates" shall mean the payments determined annually by the Contracting
165	Officer in accordance with the then-current applicable water ratesetting policies for the Project,
166	as described in subdivision (a) of Article 7 of this Contract;
167	(w) "Recent Historic Average" shall mean the most recent five-year average of
168	the final forecast of Water Made Available to the Contractor pursuant to this Contract or its
169	<pre>preceding contract(s);</pre>
170	(x) "Secretary" shall mean the Secretary of the Interior, a duly appointed
171	successor, or an authorized representative acting pursuant to any authority of the Secretary and

through any agency of the Department of the Interior;

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- (y) "Tiered Pricing Component" shall be the incremental amount to be paid for each acre-foot of Water Delivered as described in subdivision (j) of Article 7 of this Contract;
- (z) "Water Delivered" or "Delivered Water" shall mean Project Water diverted for use by the Contractor at the point(s) of delivery approved by the Contracting Officer<sup>8</sup>:
- (aa) "Water Made Available" shall mean the estimated amount of Project Water that can be delivered to the Contractor for the upcoming Year as declared by the Contracting Officer, pursuant to subdivision (a) of Article 4 of this Contract;
- (bb) "Water Scheduled" shall mean Project Water made available to the Contractor for which times and quantities for delivery have been established by the Contractor and Contracting Officer, pursuant to subdivision (b) of Article 4 of this Contract; and
- (cc) "Year" shall mean the period from and including March 1 of each Calendar Year through the last day of February of the following Calendar Year.

#### TERM OF CONTRACT

2. (a) This Contract shall be effective March 1, 200\_, through February 28, 20\_\_, and supercedes the Existing Contract. In the event the Contractor wishes to renew this Contract beyond February 28, 20\_\_, the Contractor shall submit a request for renewal in writing to the Contracting Officer no later than two years prior to the date this Contract expires. The renewal of this Contract insofar as it pertains to the furnishing of Irrigation Water to the

<sup>&</sup>lt;sup>8</sup> This language may be modified at the Contractor level.

<sup>&</sup>lt;sup>9</sup> Contractor specific-may need to include language regarding this contract superceding Existing Contract, in whole or in part.

Contractor shall be governed by subdivision (b) of this Article, and the renewal of this Contract insofar as it pertains to the furnishing of M&I Water to the Contractor shall be governed by subdivision (c) of this Article.

- (b) (1) Under terms and conditions of a renewal contract that are mutually agreeable to the parties hereto, and upon a determination by the Contracting Officer that at the time of contract renewal the conditions set forth in subdivision (b)(2) of this Article are met, and subject to Federal and State law, this Contract, insofar as it pertains to the furnishing of Irrigation Water to the Contractor, shall be renewed for a period of 25 years.
- are: (i) the Contractor has prepared a water conservation plan that has been determined by the Contracting Officer in accordance with Article 26 of this Contract to meet the conservation and efficiency criteria for evaluating such plans established under Federal law; (ii) the Contractor is implementing an effective water conservation and efficiency program based on the Contractor's water conservation plan as required by Article 26 of this Contract; (iii) the Contractor is maintaining all water measuring devices and implementing all water measurement methods as approved by the Contracting Officer pursuant to Article 6 of this Contract; (iv) the Contractor has reasonably and beneficially used the Project Water supplies made available to it and, based on projected demands, is reasonably anticipated and expects to fully utilize for reasonable and beneficial use the quantity of Project Water to be made available to it pursuant to such renewal; (v) the Contractor is complying with all terms and conditions of this Contract; and (vi) the Contractor has the physical and legal ability to deliver Project Water.
- (3) The terms and conditions of the renewal contract described in subdivision (b)(1) of this Article and any subsequent renewal contracts shall be developed

consistent with the parties' respective legal rights and obligations, and in consideration of all relevant facts and circumstances, as those circumstances exist at the time of renewal, including, without limitation, the Contractor's need for continued delivery of Project Water; environmental conditions affected by implementation of the Contract to be renewed, and specifically changes in those conditions that occurred during the life of the Contract to be renewed; the Secretary's progress toward achieving the purposes of the CVPIA as set out in Section 3402 and in implementing the specific provisions of the CVPIA; and current and anticipated economic circumstances of the region served by the Contractor.

- Contractor, shall be renewed for successive periods of up to 40 years each, which periods shall be consistent with then-existing Reclamation-wide policy, under terms and conditions mutually agreeable to the parties and consistent with Federal and State law. The Contractor shall be afforded the opportunity to comment to the Contracting Officer on the proposed adoption and application of any revised policy applicable to the delivery of M&I Water that would limit the term of any subsequent renewal contract with the Contractor for the furnishing of M&I Water to less than 40 years.
- (d) The Contracting Officer shall make a determination ten years after the date of execution of this Contract, and every five years thereafter during the term of this Contract, of whether a conversion of the relevant portion of this Contract to a contract under subsection 9(d) of the Reclamation Project Act of 1939 can be accomplished pursuant to the Act of July 2, 1956 (70 Stat 483). The Contracting Officer shall also make a determination ten years after the date of execution of this Contract and every five years thereafter during the term of this Contract of whether a conversion of the relevant portion of this Contract to a contract under

subsection 9(c)(1) of the Reclamation Project Act of 1939 can be accomplished.

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Notwithstanding any provision of this Contract, the Contractor reserves and shall have all rights and benefits under the Act of July 2, 1956 (70 Stat. 483). The Contracting Officer anticipates that during the term of this Contract, all authorized Project construction expected to occur will have occurred, and on that basis the Contracting Officer agrees upon such completion to allocate all costs that are properly assignable to the Contractor, and agrees further that, at any time after such allocation is made, and subject to satisfaction of the condition set out in this subdivision, this Contract shall, at the request of the Contractor, be converted to a contract under subsection 9(d) or 9(c)(1), whichever is applicable, of the Reclamation Project Act of 1939, subject to applicable Federal law and under stated terms and conditions mutually agreeable to the Contractor and the Contracting Officer. A condition for such conversion to occur shall be a determination by the Contracting Officer that, account being taken of the amount credited to return by the Contractor as provided for under Federal Reclamation law, the remaining amount of construction costs assignable for ultimate return by the Contractor can probably be repaid to the United States within the term of a contract under subsection 9(d) or 9(c)(1), whichever is applicable. If the remaining amount of costs that are properly assignable to the Contractor cannot be determined during the term of this Contract, the Contracting Officer shall notify the Contractor, and provide the reason(s) why such a determination could not be made. Further, the Contracting Officer shall make such a determination as soon thereafter as possible so as to permit, upon request of the Contractor and satisfaction of the condition set out above, conversion to a contract under subsection 9(d) or 9(c)(1), whichever is applicable. In the event such determination of costs has not been made at a time which allows conversion of this Contract during the term of this Contract or the Contractor has not requested conversion of this Contract within such term, the

parties shall incorporate in any subsequent renewal contract as described in subdivision (b) of this Article a provision that carries forth in substantially identical terms the provisions of this subdivision.

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### WATER TO BE MADE AVAILABLE AND DELIVERED TO THE CONTRACTOR

- 3. (Divisional) (a) During each Year, consistent with all applicable State water rights, permits, and licenses, Federal law, and subject to the provisions set forth in Articles 11 and 12 of this Contract, the Contracting Officer shall make available for delivery to the Contractor \_\_\_\_\_ acre-feet of Project Water for irrigation and M&I purposes. Water Delivered to the Contractor in accordance with this subdivision shall be scheduled and paid for pursuant to the provisions of Articles 4 and 7 of this Contract.
- (b) Because the capacity of the Project to deliver Project Water has been constrained in recent years and may be constrained in the future due to many factors including hydrologic conditions and implementation of Federal and State laws, the likelihood of the Contractor actually receiving the amount of Project Water set out in subdivision (a) of this Article in any given Year is uncertain. The Contracting Officer's modeling referenced in the PEIS projected that the Contract Total set forth in this Contract will not be available to the Contractor in many years. During the most recent five years, the Recent Historic Average of water made available to the Contractor was \_\_\_\_\_ acre-feet. Nothing in subdivision (b) of this Article shall affect the rights and obligations of the parties under any provision of this Contract.
- (c) The Contractor shall utilize the Project Water in accordance with all applicable legal requirements.
  - (d) The Contractor shall make reasonable and beneficial use of all water

furnished pursuant to this Contract. Groundwater recharge programs (direct, indirect, or in lieu), groundwater banking programs, surface water storage programs, and other similar programs utilizing Project Water or other water furnished pursuant to this Contract conducted within the Contractor's Service Area which are consistent with applicable State law and result in use consistent with Federal Reclamation law will be allowed; Provided, That any direct recharge program(s) is (are) described in the Contractor's water conservation plan submitted pursuant to Article 26 of this Contract; Provided, further, That such water conservation plan demonstrates sufficient lawful uses exist in the Contractor's Service Area so that using a long-term average, the quantity of Delivered Water is demonstrated to be reasonable for such uses and in compliance with Federal Reclamation law. Groundwater recharge programs, groundwater banking programs, surface water storage programs, and other similar programs utilizing Project Water or other water furnished pursuant to this Contract conducted outside the Contractor's Service Area may be permitted upon written approval of the Contracting Officer, which approval will be based upon environmental documentation, Project Water rights, and Project operational concerns. The Contracting Officer will address such concerns in regulations, policies, or guidelines.

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(e) The Contractor shall comply with requirements applicable to the Contractor in biological opinion(s) prepared as a result of a consultation regarding the execution of this Contract undertaken pursuant to Section 7 of the Endangered Species Act of 1973 (ESA), as amended, that are within the Contractor's legal authority to implement. The Existing Contract, which evidences in excess of \_\_\_years of diversions for irrigation and/or M&I purposes<sup>11</sup> of the quantities of water provided in subdivision (a) of Article 3 of this Contract, will be considered in

<sup>&</sup>lt;sup>11</sup> **Specific Contract Issue**: The type of water diverted will be addressed on a contractor specific basis.

developing an appropriate baseline for biological assessment(s) prepared pursuant to the ESA, and any other needed environmental review. Nothing herein shall be construed to prevent the Contractor from challenging or seeking judicial relief in a court of competent jurisdiction with respect to any biological opinion or other environmental documentation referred to in this Article.<sup>12</sup>

(f) Following the declaration of Water Made Available under Article 4 of this Contract, the Contracting Officer will make a determination whether Project Water, or other water available to the Project, can be made available to the Contractor in addition to the Contract Total under Article 3 of this Contract during the Year without adversely impacting other Project Contractors. At the request of the Contractor, the Contracting Officer will consult with the Contractor prior to making such a determination. If the Contracting Officer determines that Project Water, or other water available to the Project, can be made available to the Contractor, the Contracting Officer will announce the availability of such water and shall so notify the Contractor as soon as practical. The Contracting Officer will thereafter meet with the Contractor and other Project Contractors capable of taking such water to determine the most equitable and efficient allocation of such water. If the Contractor requests the delivery of any quantity of such water, the Contracting Officer shall make such water available to the Contractor in accordance with applicable statutes, regulations, guidelines, and policies.

## [DIVISIONAL ISSUE-SECTION 215 WATER]

(g) The Contractor may request permission to reschedule for use during the subsequent Year some or all of the Water Made Available to the Contractor during the current

<sup>&</sup>lt;sup>12</sup> **Specific Contract Issue: As an example,** the concern over land use authority may be the subject of discussion with individual contractors.

Year, referred to as "carryover."<sup>13</sup> The Contractor may request permission to use during the current Year a quantity of Project Water which may be made available by the United States to the Contractor during the subsequent Year, referred to as "preuse." The Contracting Officer's written approval may permit such uses in accordance with applicable statutes, regulations, guidelines, and policies.

- (h) The Contractor's right pursuant to Federal Reclamation law and applicable State law to the reasonable and beneficial use of Water Delivered pursuant to this Contract during the term thereof and any subsequent renewal contracts, as described in Article 2 of this Contract, during the terms thereof shall not be disturbed so long as the Contractor shall fulfill all of its obligations under this Contract and any renewals thereof. Nothing in the preceding sentence shall affect the Contracting Officer's ability to impose shortages under Article 11 or subdivision (b) of Article 12 of this Contract or applicable provisions of any subsequent renewal contracts.
- (i) Project Water furnished to the Contractor pursuant to this Contract may be delivered for purposes other than those described in subdivisions (m) and (o) of Article 1 of this Contract upon written approval by the Contracting Officer in accordance with the terms and conditions of such approval.
- (j) The Contracting Officer shall make reasonable efforts to protect the water rights necessary for the Project and to provide the water available under this Contract. The Contracting Officer shall not object to participation by the Contractor, in the capacity and to the extent permitted by law, in administrative proceedings related to the Project Water rights; Provided, That the Contracting Officer retains the right to object to the substance of the

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<sup>&</sup>lt;sup>13</sup> "Rescheduled" in some divisions.

Contractor's position in such a proceeding; <u>Provided further</u>, That in such proceedings the Contracting Officer shall recognize the Contractor has a legal right under the terms of this Contract to use Project Water.

#### TIME FOR DELIVERY OF WATER

- 4. (a) On or about February 20 of each Calendar Year, the Contracting Officer shall announce the Contracting Officer's expected declaration of the Water Made Available. Such declaration will be expressed in terms of both Water Made Available and the Recent Historic Average and will be updated monthly, and more frequently if necessary, based on then-current operational and hydrologic conditions and a new declaration with changes, if any, to the Water Made Available will be made. The Contracting Officer shall provide forecasts of Project operations and the basis of the estimate, with relevant supporting information, upon the written request of the Contractor. Concurrently with the declaration of the Water Made Available, the Contracting Officer shall provide the Contractor with the updated Recent Historic Average.
- (b) On or before each March 1 and at such other times as necessary, the Contractor shall submit to the Contracting Officer a written schedule, satisfactory to the Contracting Officer, showing the monthly quantities of Project Water to be delivered by the United States to the Contractor pursuant to this Contract for the Year commencing on such March 1. The Contracting Officer shall use all reasonable means to deliver Project Water according to the approved schedule for the Year commencing on such March 1.
- (c) The Contractor shall not schedule Project Water in excess of the quantity of Project Water the Contractor intends to put to reasonable and beneficial use within the Contractor's Service Area or to sell, transfer, or exchange pursuant to Article 9 of this Contract during any Year.

(d) Subject to the conditions set forth in subdivision (a) of Article 3 of this Contract, the United States shall deliver Project Water to the Contractor in accordance with the initial schedule submitted by the Contractor pursuant to subdivision (b) of this Article, or any written revision(s), satisfactory to the Contracting Officer, thereto submitted within a reasonable time prior to the date(s) on which the requested change(s) is/are to be implemented.

## POINT OF DIVERSION AND RESPONSIBILITY FOR DISTRIBUTION OF WATER

- 5. (a) Project Water scheduled pursuant to subdivision (b) of Article 4 of this

  Contract shall be delivered to the Contractor at \_\_\_\_\_\_ and any

  additional point or points of delivery either on Project facilities or another location or locations

  mutually agreed to in writing by the Contracting Officer and the Contractor.
- (b) The Contracting Officer, either directly or through its written agreement(s) with the Operating Non-Federal Entity/Entities [Contractor specific issue-reference to Entities] shall make all reasonable efforts to maintain sufficient flows and levels of water in Project facilities to deliver Project Water to the Contractor at specific turnouts established pursuant to subdivision (a) of this Article.
- (c) The Contractor shall deliver Irrigation Water in accordance with any applicable land classification provisions of Federal Reclamation law and the associated regulations. The Contractor shall not deliver Project Water to land outside the Contractor's Service Area unless approved in advance by the Contracting Officer.
- (d) All Water Delivered to the Contractor pursuant to this Contract shall be measured and recorded with equipment furnished, installed, operated, and maintained by the United States, or the Operating Non-Federal Entity/Entities <sup>14</sup>at the point or points of delivery

established pursuant to subdivision (a) of this Article. Upon the request of either party to this Contract, the Contracting Officer shall investigate, or cause to be investigated by the appropriate Operating Non-Federal Entity/Entities, the accuracy of such measurements and shall take any necessary steps to adjust any errors appearing therein. For any period of time when accurate measurements have not been made, the Contracting Officer shall consult with the Contractor and the appropriate Operating Non-Federal Entity/Entities prior to making a final determination of the quantity delivered for that period of time.

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(e) Neither the Contracting Officer nor any Operating Non-Federal Entity/Entities shall be responsible for the control, carriage, handling, use, disposal, or distribution of Water Delivered to the Contractor pursuant to this Contract beyond the delivery points specified in subdivision (a) of this Article. The Contractor shall indemnify the United States, its officers, employees, agents, and assigns on account of damage or claim of damage of any nature whatsoever for which there is legal responsibility, including property damage, personal injury, or death arising out of or connected with the control, carriage, handling, use, disposal, or distribution of such Water Delivered beyond such delivery points, except for any damage or claim arising out of (i) acts or omissions of the Contracting Officer or any of its officers, employees, agents, or assigns, including the Operating Non-Federal Entity/Entities, with the intent of creating the situation resulting in any damage or claim, (ii) willful misconduct of the Contracting Officer or any of its officers, employees, agents, or assigns, including the Operating Non-Federal Entity/Entities, (iii) negligence of the Contracting Officer or any of its officers, employees, agents, or assigns including the Operating Non-Federal Entity/Entities, or (iv) damage or claims resulting from a malfunction of facilities owned and/or operated by the United States or the Operating Non-Federal Entity/Entities

## MEASUREMENT OF WATER WITHIN THE CONTRACTOR'S SERVICE AREA<sup>15</sup>

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6. (Contractor Specific)(a) The Contractor has established a measuring program satisfactory to the Contracting Officer. The Contractor shall ensure that all surface water delivered for irrigation purposes within the Contractor's Service Area is measured at each agricultural turnout and such water delivered for M&I purposes is measured at each M&I service connection. The water measuring devices or water measuring methods of comparable effectiveness must be acceptable to the Contracting Officer. The Contractor shall be responsible for installing, operating, and maintaining and repairing all such measuring devices and implementing all such water measuring methods at no cost to the United States. The Contractor shall use the information obtained from such water measuring devices or water measuring methods to ensure its proper management of the water, to bill water users for water delivered by the Contractor; and, if applicable, to record water delivered for M&I purposes by customer class as defined in the Contractor's water conservation plan provided for in Article 26 of this Contract. Nothing herein contained, however, shall preclude the Contractor from establishing and collecting any charges, assessments, or other revenues authorized by California law. The Contractor shall include a summary of all its annual surface water deliveries in the annual report described in subdivision (c) of Article 26.

(b) (Contractor Specific) To the extent the information has not otherwise been provided, upon execution of this Contract, the Contractor shall provide to the Contracting Officer a written report describing the measurement devices or water measuring methods being used or to be used to implement subdivision (a) of this Article and identifying the agricultural turnouts and the M&I service connections or alternative measurement programs approved by the

Recognize unique circumstances at Contractor level may require negotiation of different language.

Contracting Officer, at which such measurement devices or water measuring methods are being used, and, if applicable, identifying the locations at which such devices and/or methods are not yet being used including a time schedule for implementation at such locations. The Contracting Officer shall advise the Contractor in writing within 60 days as to the adequacy and necessary modifications, if any, of the measuring devices or water measuring methods identified in the Contractor's report and if the Contracting Officer does not respond in such time, they shall be deemed adequate. If the Contracting Officer notifies the Contractor that the measuring devices or methods are inadequate, the parties shall within 60 days following the Contracting Officer's response, negotiate in good faith the earliest practicable date by which the Contractor shall modify said measuring devices and/or measuring methods as required by the Contracting Officer to ensure compliance with subdivision (a) of this Article.

- (c) All new surface water delivery systems installed within the Contractor's Service Area after the effective date of this Contract shall also 16 comply with the measurement provisions described in subdivision (a) of this Article.
- (d) (Contractor Specific) The Contractor shall inform the Contracting Officer and the State of California in writing by April 30 of each Year of the monthly volume of surface water delivered within the Contractor's Service Area during the previous Year.
- (e) (Contractor Specific) The Contractor shall inform the Contracting Officer and the Operating Non-Federal Entity on or before the 20<sup>th</sup> calendar day of each month of the quantity of Irrigation and M&I Water taken during the preceding month.

#### RATES AND METHOD OF PAYMENT FOR WATER

7. (a) The Contractor shall pay the United States as provided in this Article for

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<sup>&</sup>lt;sup>16</sup> Some Contractors may propose alternate date.

all Delivered Water at Rates, Charges, and the Tiered Pricing Component established in accordance with (i) the Secretary's ratesetting policy for Irrigation Water adopted in 1988 and the Secretary's then-existing ratesetting policy for M&I Water. Such ratesetting policies shall be amended, modified, or superceded only through a public notice and comment procedure; (ii) applicable Federal Reclamation law and associated rules and regulations, or policies; and (iii) other applicable provisions of this Contract. Payments shall be made by cash transaction, electronic funds transfer, or any other mechanism as may be agreed to in writing by the Contractor and the Contracting Officer. The Rates, Charges, and Tiered Pricing Component applicable to the Contractor upon execution of this Contract are set forth in Exhibit "B," as may be revised annually.

- (b) The Contracting Officer shall notify the Contractor of the Rates, Charges, and Tiered Pricing Component as follows:
- (1) Prior to July 1 of each Calendar Year, the Contracting Officer shall provide the Contractor an estimate of the Charges for Project Water that will be applied to the period October 1, of the current Calendar Year, through September 30, of the following Calendar Year, and the basis for such estimate. The Contractor shall be allowed not less than two months to review and comment on such estimates. On or before September 15 of each Calendar Year, the Contracting Officer shall notify the Contractor in writing of the Charges to be in effect during the period October 1 of the current Calendar Year, through September 30, of the following Calendar Year, and such notification shall revise Exhibit "B."
- (2) Prior to October 1 of each Calendar Year, the Contracting Officer shall make available to the Contractor an estimate of the Rates and Tiered Pricing Component for Project Water for the following Year and the computations and cost allocations upon which

those Rates are based. The Contractor shall be allowed not less than two months to review and comment on such computations and cost allocations. By December 31 of each Calendar Year, the Contracting Officer shall provide the Contractor with the final Rates and Tiered Pricing Component to be in effect for the upcoming Year, and such notification shall revise Exhibit "B."

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(c) At the time the Contractor submits the initial schedule for the delivery of Project Water for each Year pursuant to subdivision (b) of Article 4 of this Contract, the Contractor shall make an advance payment to the United States equal to the total amount payable pursuant to the applicable Rate(s) set under subdivision (a) of this Article, for the Project Water scheduled to be delivered pursuant to this Contract during the first two calendar months of the Year. Before the end of the first month and before the end of each calendar month thereafter, the Contractor shall make an advance payment to the United States, at the Rate(s) set under subdivision (a) of this Article, for the Water Scheduled to be delivered pursuant to this Contract during the second month immediately following. Adjustments between advance payments for Water Scheduled and payments at Rates due for Water Delivered shall be made before the end of the following month; Provided, That any revised schedule submitted by the Contractor pursuant to Article 4 of this Contract which increases the amount of Water Delivered pursuant to this Contract during any month shall be accompanied with appropriate advance payment, at the Rates then in effect, to assure that Project Water is not delivered to the Contractor in advance of such payment. In any month in which the quantity of Water Delivered to the Contractor pursuant to this Contract equals the quantity of Water Scheduled and paid for by the Contractor, no additional Project Water shall be delivered to the Contractor unless and until an advance payment at the Rates then in effect for such additional Project Water is made. Final adjustment between the advance payments for the Water Scheduled and payments for the quantities of Water

Delivered during each Year pursuant to this Contract shall be made as soon as practicable, but no later than April 30th of the following Year, or 60 days after the delivery of Project Water carried over under subdivision (g) of Article 3 of this Contract if such water is not delivered by the last day of February.

- (d) The Contractor shall also make a payment in addition to the Rate(s) in subdivision (c) of this Article to the United States for Water Delivered, at the Charges and the appropriate Tiered Pricing Component then in effect, before the end of the month following the month of delivery; Provided, That the Contractor may be granted an exception from the Tiered Pricing Component pursuant to subdivision (j)(2) of this Article. The payments shall be consistent with the quantities of Irrigation Water and M&I Water Delivered as shown in the water delivery report for the subject month prepared by the Operating Non-Federal Entity/Entities or, if there is no Operating Non-Federal Entity/Entities, by the Contracting Officer. The water delivery report shall be deemed a bill for the payment of Charges and the applicable Tiered Pricing Component for Water Delivered. Adjustment for overpayment or underpayment of Charges shall be made through the adjustment of payments due to the United States for Charges for the next month. Any amount to be paid for past due payment of Charges and the Tiered Pricing Component shall be computed pursuant to Article 20 of this Contract.
- (e) The Contractor shall pay for any Water Delivered under subdivision (a), (f), or (g) of Article 3 of this Contract as determined by the Contracting Officer pursuant to applicable statutes, associated regulations, any applicable provisions of guidelines or ratesetting policies; Provided, That the Rate for Water Delivered under subdivision (f) of Article 3 of this Contract shall be no more than the otherwise applicable Rate for Irrigation Water or M&I Water under subdivision (a) of this Article.

(f) Payments to be made by the Contractor to the United States under this Contract may be paid from any revenues available to the Contractor.

- (g) All revenues received by the United States from the Contractor relating to the delivery of Project Water or the delivery of non-Project water through Project facilities shall be allocated and applied in accordance with Federal Reclamation law and the associated rules or regulations, and the then-current Project ratesetting policies for M&I Water or Irrigation Water.
- (h) The Contracting Officer shall keep its accounts pertaining to the administration of the financial terms and conditions of its long-term contracts, in accordance with applicable Federal standards, so as to reflect the application of Project costs and revenues. The Contracting Officer shall, each Year upon request of the Contractor, provide to the Contractor a detailed accounting of all Project and Contractor expense allocations, the disposition of all Project and Contractor revenues, and a summary of all water delivery information. The Contracting Officer and the Contractor shall enter into good faith negotiations to resolve any discrepancies or disputes relating to accountings, reports, or information.
- (i) The parties acknowledge and agree that the efficient administration of this Contract is their mutual goal. Recognizing that experience has demonstrated that mechanisms, policies, and procedures used for establishing Rates, Charges, and Tiered Pricing Components, and/or for making and allocating payments, other than those set forth in this Article may be in the mutual best interest of the parties, it is expressly agreed that the parties may enter into agreements to modify the mechanisms, policies, and procedures for any of those purposes while this Contract is in effect without amending this Contract.
- (j) (1) Beginning at such time as deliveries of Project Water in a Year exceed 80 percent of the Contract Total, then before the end of the month following the month of

delivery the Contractor shall make an additional payment to the United States equal to the applicable Tiered Pricing Component. The Tiered Pricing Component for the amount of Water Delivered in excess of 80 percent of the Contract Total, but less than or equal to 90 percent of the Contract Total, shall equal one-half of the difference between the Rate established under subdivision (a) of this Article and the Irrigation Full Cost Water Rate or M&I Full Cost Water Rate, whichever is applicable. The Tiered Pricing Component for the amount of Water Delivered which exceeds 90 percent of the Contract Total shall equal the difference between (i) the Rate established under subdivision (a) of this Article and (ii) the Irrigation Full Cost Water Rate or M&I Full Cost Water Rate, whichever is applicable. For all Water Delivered pursuant to subdivision (a) of Article 3 of this Contract which is in excess of 80 percent of the Contract Total, this increment shall be deemed to be divided between Irrigation Water and M&I Water in the same proportion as actual deliveries of each bear to the cumulative total Water Delivered. 17

Contractor may request and receive an exemption from such Tiered Pricing Components for Project Water delivered to produce a crop which the Contracting Officer determines will provide significant and quantifiable habitat values for waterfowl in fields where the water is used and the crops are produced; <a href="Provided">Provided</a>, That the exemption from the Tiered Pricing Component for Irrigation Water shall apply only if such habitat values can be assured consistent with the purposes of the CVPIA through binding agreements executed with or approved by the Contracting Officer prior to use of such water.

(3) For purposes of determining the applicability of the Tiered Pricing Component pursuant to this Article, Water Delivered shall include Project Water that the

<sup>&</sup>lt;sup>17</sup> Deletion of the last sentence or alternate language may be negotiated by individual districts.

Contractor transfers to others but shall not include Project Water transferred to the Contractor, nor shall it include the additional water provided to the Contractor under the provisions of subdivision (f) of Article 3 of this Contract.<sup>18</sup>

- (k) For the term of this Contract, Rates under the respective ratesetting policies will be established to recover only reimbursable O&M (including any deficits) and capital costs of the Project, as those terms are used in the then-current Project ratesetting policies, and interest, where appropriate, except in instances where a minimum Rate is applicable in accordance with the relevant Project ratesetting policy. Changes of significance in practices which implement the Contracting Officer's ratesetting policies will not be implemented until the Contracting Officer has provided the Contractor an opportunity to discuss the nature, need, and impact of the proposed change.
- (l) Except as provided in subsections 3405(a)(1)(B) and 3405(f) of the CVPIA, the Rates for Project Water transferred by the Contractor shall be the Contractor's Rates adjusted upward or downward to reflect the changed costs, if any, incurred by the Contracting Officer in the delivery of the transferred Project Water to the transferee's point of delivery in accordance with the then applicable Project ratesetting policy. If the Contractor is receiving lower Rates and Charges because of inability to pay and is transferring Project Water to another entity whose Rates and Charges are not adjusted due to inability to pay, the Rates and Charges for transferred Project Water shall be the Contractor's Rates and Charges and will not be adjusted to reflect the Contractor's inability to pay.
- (m) Pursuant to the Act of October 27, 1986 (100 Stat. 3050), the Contracting Officer is authorized to adjust determinations of ability to pay every five years.

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<sup>&</sup>lt;sup>18</sup> <u>Divisions/Districts may propose alternative language.</u>

(n) [For contractors with M&I water]: With respect to the Rates for M&I Water the Contractor asserts that it is not legally obligated to pay any Project deficits claimed by the United States to have accrued as of the date of this Contract or deficit-related interest charges thereon. By entering into this Contract, the Contractor does not waive any legal rights or remedies that it may have with respect to such disputed issues. Notwithstanding the execution of this Contract and payments made hereunder, the Contractor may challenge in the appropriate administrative or judicial forums: (1) the existence, computation, or imposition of any deficit charges accruing during the term of the Existing Contract and any preceding interim renewal contracts, if applicable; (2) interest accruing on any such deficits; (3) the inclusion of any such deficit charges or interest in the Rates; (4) the application by the United States of payments made by the Contractor under its Existing Contract and any preceding interim renewal contracts, if applicable; and (5) the application of such payments in the Rates. The Contracting Officer agrees that the Contractor shall be entitled to the benefit of any administrative or judicial ruling in favor of any Project M&I contractor on any of these issues, and credits for payments heretofore made, <u>Provided</u>, That the basis for such ruling is applicable to the Contractor. <sup>19</sup>

## NON-INTEREST BEARING OPERATION AND MAINTENANCE DEFICITS<sup>20</sup>

8. The Contractor and the Contracting Officer concur that, as of the effective date of this Contract, the Contractor has no non-interest-bearing O&M deficits and shall have no further liability therefor.

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The Contractor and the Contracting Officer have entered into a written agreement

<sup>&</sup>lt;sup>19</sup> Contractors may opt-out of including this subarticle in the contract.

<sup>&</sup>lt;sup>20</sup> Contractor Specific

specifying a mutually acceptable mechanism through which the Contractor will retire its outstanding non-interest-bearing OO&M deficits.

#### SALES, TRANSFERS, OR EXCHANGES OF WATER

- 9. (a) The right to receive Project Water provided for in this Contract may be sold, transferred, or exchanged to others for reasonable and beneficial uses within the State of California if such sale, transfer, or exchange is authorized by applicable Federal and State laws, and applicable guidelines or regulations then in effect. No sale, transfer, or exchange of Project Water under this Contract may take place without the prior written approval of the Contracting Officer, except as provided for in subdivision (b) of this Article, and no such sales, transfers, or exchanges shall be approved absent all appropriate environmental documentation, including but not limited to documents prepared pursuant to NEPA and ESA. Such environmental documentation should include, as appropriate, an analysis of groundwater impacts and economic and social effects, including environmental justice, of the proposed water transfers on both the transferor and transferee.
- (b) In order to facilitate efficient water management by means of water transfers of the type historically carried out among Project Contractors located within the same geographical area and to allow the Contractor to participate in an accelerated water transfer program during the term of this Contract, the Contracting Officer shall prepare, as appropriate, all necessary environmental documentation including, but not limited to, documents prepared pursuant to NEPA and ESA, analyzing annual transfers within such geographical areas, and the Contracting Officer shall determine whether such transfers comply with applicable law. Following the completion of the environmental documentation, such transfers addressed in such documentation shall be conducted with advance notice to the Contracting Officer, but shall not

require prior written approval by the Contracting Officer. Such environmental documentation and the Contracting Officer's compliance determination shall be reviewed every five years and updated, as necessary, prior to the expiration of the then-existing five-year period. All subsequent environmental documentation shall include an alternative to evaluate not less than the quantity of Project Water historically transferred within the same geographical area.

water transfer must: (i) be for irrigation purposes for lands irrigated within the previous three years, for M&I use, groundwater recharge, water banking, or fish and wildlife resources; not lead to land conversion; and be delivered to established cropland, wildlife refuges, groundwater basins or M&I use; (ii) occur within a single Year; (iii) occur between a willing seller and a willing buyer; (iv) convey water through existing facilities with no new construction or modifications to facilities and be between existing Project Contractors and/or the Contractor and the United States, Department of the Interior; and (v) comply with all applicable Federal, State, and local or tribal laws and requirements imposed for protection of the environment and Indian Trust Assets, as defined under Federal law.

#### APPLICATION OF PAYMENTS AND ADJUSTMENTS

10. (a) The amount of any overpayment by the Contractor of the Contractor's O&M, capital, and deficit (if any) obligations for the Year shall be applied first to any current liabilities of the Contractor arising out of this Contract then due and payable. Overpayments of more than \$1,000 shall be refunded at the Contractor's request. In lieu of a refund, any amount of such overpayment, at the option of the Contractor, may be credited against amounts to become due to the United States by the Contractor. With respect to overpayment, such refund or adjustment shall constitute the sole remedy of the Contractor or anyone having or claiming to

have the right to the use of any of the Project Water supply provided for herein. All credits and refunds of overpayments shall be made within 30 days of the Contracting Officer obtaining direction as to how to credit or refund such overpayment in response to the notice to the Contractor that it has finalized the accounts for the Year in which the overpayment was made.

(b) All advances for miscellaneous costs incurred for work requested by the Contractor pursuant to Article 25 of this Contract shall be adjusted to reflect the actual costs when the work has been completed. If the advances exceed the actual costs incurred, the difference will be refunded to the Contractor. If the actual costs exceed the Contractor's advances, the Contractor will be billed for the additional costs pursuant to Article 25.

#### TEMPORARY REDUCTIONS-RETURN FLOWS

- 11. (a) Subject to: (i) the authorized purposes and priorities of the Project and the requirements of Federal law; and (ii) the obligations of the United States under existing contracts, or renewals thereof, providing for water deliveries from the Project, the Contracting Officer shall make all reasonable efforts to optimize Project Water deliveries to the Contractor as provided in this Contract.
- (b) The Contracting Officer or Operating Non-Federal Entity/Entitiesmay temporarily discontinue or reduce the quantity of Water Delivered to the Contractor as herein provided for the purposes of investigation, inspection, maintenance, repair, or replacement of any of the Project facilities or any part thereof necessary for the delivery of Project Water to the Contractor, but so far as feasible the Contracting Officer or Operating Non-Federal Entity will give the Contractor due notice in advance of such temporary discontinuance or reduction, except in case of emergency, in which case no notice need be given; Provided, That the United States shall use its best efforts to avoid any discontinuance or reduction in such service. Upon

resumption of service after such reduction or discontinuance, and if requested by the Contractor, the United States will, if possible, deliver the quantity of Project Water which would have been delivered hereunder in the absence of such discontinuance or reduction.

(c) The United States reserves the right to all seepage and return flow water derived from Water Delivered to the Contractor hereunder which escapes or is discharged beyond the Contractor's Service Area; <u>Provided</u>, That this shall not be construed as claiming for the United States any right to seepage or return flow being put to reasonable and beneficial use pursuant to this Contract within the Contractor's Service Area<sup>21</sup> by the Contractor or those claiming by, through, or under the Contractor.

#### CONSTRAINTS ON THE AVAILABILITY OF WATER

- 12. (a) In its operation of the Project, the Contracting Officer will use all reasonable means to guard against a Condition of Shortage in the quantity of water to be made available to the Contractor pursuant to this Contract. In the event the Contracting Officer determines that a Condition of Shortage appears probable, the Contracting Officer will notify the Contractor of said determination as soon as practicable.
- (b) If there is a Condition of Shortage because of errors in physical operations of the Project, drought, other physical causes beyond the control of the Contracting Officer or actions taken by the Contracting Officer to meet legal obligations then, except as provided in subdivision (a) of Article 18 of this Contract, no liability shall accrue against the United States or any of its officers, agents, or employees for any damage, direct or indirect, arising therefrom.
  - (c) DIVISIONAL ISSUE APPORTIONMENT AMONG CONTRACTORS.
  - (d) DIVISIONAL ISSUE M&I Water Service Contracts

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<sup>&</sup>lt;sup>21</sup> Divisions may propose alternate language

(e) DIVISIONAL ISSUE – Reservation of Rights re M&I Shortage Policy

## <u>UNAVOIDABLE GROUNDWATER PERCOLATION</u>

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13. To the extent applicable, the Contractor shall not be deemed to have delivered Irrigation Water to Excess Lands or Ineligible Lands within the meaning of this Contract if such lands are irrigated with groundwater that reaches the underground strata as an unavoidable result of the delivery of Irrigation Water by the Contractor to Eligible Lands.

## **RULES AND REGULATIONS**<sup>22</sup>

14. The parties agree that the delivery of Irrigation Water or use of Federal facilities pursuant to this Contract is subject to Federal Reclamation law, including but not limited to the Reclamation Reform Act of 1982 (43 U.S.C.390aa et seq.), as amended and supplemented, and the rules and regulations promulgated by the Secretary of the Interior under Federal Reclamation law.

## WATER AND AIR POLLUTION CONTROL

15. The Contractor, in carrying out this Contract, shall comply with all applicable water and air pollution laws and regulations of the United States and the State of California, and shall obtain all required permits or licenses from the appropriate Federal, State, or local authorities.

## **QUALITY OF WATER**<sup>23</sup>

16. (a) Project facilities used to deliver Project Water to the Contractor pursuant to this Contract shall be operated and maintained to enable the United States to deliver Project Water to the Contractor in accordance with the water quality standards specified in subsection 2(b) of the Act of August 26, 1937 (50 Stat. 865), as added by Section 101 of the Act of October 27, 1986 (100 Stat. 3050) or other existing Federal laws. The United States is under no

<sup>&</sup>lt;sup>22</sup> Contractor Specific Issue - This may need to be modified on an individual contractor basis. Some contractors may be precluded by law to agreeing to all or part of this Article.

obligation to construct or furnish water treatment facilities to maintain or to improve the quality of Water Delivered to the Contractor pursuant to this Contract. The United States does not warrant the quality of Water Delivered to the Contractor pursuant to this Contract.

(b) The O&M of Project facilities shall be performed in such manner as is practicable to maintain the quality of raw water made available through such facilities at the highest level reasonably attainable as determined by the Contracting Officer. The Contractor shall be responsible for compliance with all State and Federal water quality standards applicable to surface and subsurface agricultural drainage discharges generated through the use of Federal or Contractor facilities or Project Water provided by the Contractor within the Contractor's Service Area.

# (c) [DIVISIONAL ISSUE – DRAINAGE, WHERE APPLICABLE] WATER ACQUIRED BY THE CONTRACTOR OTHER THAN FROM THE UNITED STATES

17. (a) Water or water rights now owned or hereafter acquired by the Contractor other than from the United States and Irrigation Water furnished pursuant to the terms of this Contract may be simultaneously transported through the same distribution facilities of the Contractor subject to the following: (i) if the facilities utilized for commingling Irrigation Water and non-Project water were constructed without funds made available pursuant to Federal Reclamation law, the provisions of Federal Reclamation law will be applicable only to the Landholders of lands which receive Irrigation Water; (ii) the eligibility of land to receive

Some Contractors may request tailored language regarding water quality.

Irrigation Water must be established through the certification requirements as specified in the Acreage Limitation Rules and Regulations (43 CFR Part 426); (iii) the water requirements of Eligible Lands within the Contractor's Service Area can be established and the quantity of Irrigation Water to be utilized is less than or equal to the quantity necessary to irrigate such Eligible Lands; and (iv) if the facilities utilized for commingling Irrigation Water and non-Project water are/were constructed with funds made available pursuant to Federal Reclamation law, the non-Project water will be subject to the acreage limitation provisions of Federal Reclamation law, unless the Contractor pays to the United States the incremental fee described in 43 CFR 426.15. In determining the incremental fee, the Contracting Officer will calculate annually the cost to the Federal Government, including interest, of storing or delivering non-Project water, which for purposes of this Contract shall be determined as follows: The quotient shall be the unpaid distribution system costs divided by the total irrigable acreage within the Contractor's Service Area. The incremental fee per acre is the mathematical result of such quotient times the interest rate determined using Section 202 (3) of the Act of October 12, 1982 (96 Stat. 1263). Such incremental fee will be charged to each acre of excess or full cost land within the Contractor's Service Area that receives non-Project water through Federally financed or constructed facilities. The incremental fee calculation methodology will continue during the term of this Contract absent the promulgation of a contrary Reclamation-wide rule, regulation, or policy adopted after the Contractor has been afforded the opportunity to review and comment on the proposed rule, regulation, or policy. If such rule, regulation, or policy is adopted it shall supercede this provision.

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(b) Water or water rights now owned or hereafter acquired by the Contractor, other than from the United States, may be stored, conveyed, and/or diverted through Project

facilities, subject to the completion of appropriate environmental documentation, with the approval of the Contracting Officer and the execution of any contract determined by the Contracting Officer to be necessary, consistent with the following provisions:

- facilities and deliver said water to lands within the Contractor's Service Area, including
  Ineligible Lands, subject to payment to the United States and/or to any applicable Operating
  Non-Federal Entity of an appropriate rate as determined by the applicable Project ratesetting
  policy, the R R A, and the Project use power policy, if such Project use power policy is
  applicable, each as amended, modified, or superceded from time to time.

  (2) Delivery of such or quality of water available to other Project Contractors; (iii) interfere with the delivery of
  contractual waterentitlements to any other Project Contractors; or (iv) interfere with the physical
  maintenance of the Project facilities.
- (3) Neither the United States nor the Operating Non-Federal Entity shall be responsible for control, care, or distribution of the non-Project water before it is introduced into or after it is delivered from the Project facilities. The Contractor hereby releases and agrees to defend and indemnify the United States and the Operating Non-Federal Entity, and their respective officers, agents, and employees, from any claim for damage to persons or property, direct or indirect, resulting from the acts of the Contractor, its officers', employees', agents' or assigns', act(s) in (i) extracting or diverting non-Project water from any source, or (ii) diverting such non-Project water into Project facilities.
- (4) Diversion of such non-Project water into Project facilities shall be consistent with all applicable laws, and if involving groundwater, consistent with any applicable groundwater management plan for the area from which it was extracted.

Officer, the United States and the Contractor shall share priority to utilize the remaining capacity of the facilities declared to be available by the Contracting Officer for conveyance and transportation of non-Project water prior to any such remaining capacity being made available to non-Project contractors. [DIVISIONAL ISSUE – DIVISIONS MAY SEEK LANGUAGE PROVIDING FOR WHEELING AND NON-PROJECT WATER PURSUANT TO CVPIA SECTION 3408(c), ETC.]

# **OPINIONS AND DETERMINATIONS**

- 18. (a) Where the terms of this Contract provide for actions to be based upon the opinion or determination of either party to this Contract, said terms shall not be construed as permitting such action to be predicated upon arbitrary, capricious, or unreasonable opinions or determinations. Both parties, notwithstanding any other provisions of this Contract, expressly reserve the right to seek relief from and appropriate adjustment for any such arbitrary, capricious, or unreasonable opinion or determination. Each opinion or determination by either party shall be provided in a timely manner. Nothing in subdivision (a) of Article 18 of this Contract is intended to or shall affect or alter the standard of judicial review applicable under Federal law to any opinion or determination implementing a specific provision of Federal law embodied in statute or regulation.
- (b) The Contracting Officer shall have the right to make determinations necessary to administer this Contract that are consistent with the provisions of this Contract, the laws of the United States and of the State of California, and the rules and regulations promulgated by the Secretary of the Interior. Such determinations shall be made in consultation with the Contractor to the extent reasonably practicable.

# COORDINATION AND COOPERATION

- 19. (a) In order to further their mutual goals and objectives, the Contracting Officer and the Contractor shall communicate, coordinate, and cooperate with each other, and with other affected Project Contractors, in order to improve the operation and management of the Project. The communication, coordination, and cooperation regarding operations and management shall include, but not be limited to, any action which will or may materially affect the quantity or quality of Project Water supply, the allocation of Project Water supply, and Project financial matters including, but not limited to, budget issues. The communication, coordination, and cooperation provided for hereunder shall extend to all provisions of this Contract. Each party shall retain exclusive decision making authority for all actions, opinions, and determinations to be made by the respective party.
- (b) Within 120 days following the effective date of this Contract, the Contractor, other affected Project Contractors, and the Contracting Officer shall arrange to meet with interested Project Contractors to develop a mutually agreeable, written Project-wide process, which may be amended as necessary separate and apart from this Contract. The goal of this process shall be to provide, to the extent practicable, the means of mutual communication and interaction regarding significant decisions concerning Project operation and management on a real-time basis.
- (c) In light of the factors referred to in subdivision (b) of Article 3 of this Contract, it is the intent of the Secretary to improve water supply reliability. To carry out this intent:
- (1) The Contracting Officer will, at the request of the Contractor, assist in the development of integrated resource management plans for the Contractor. Further,

the Contracting Officer will, as appropriate, seek authorizations for implementation of partnerships to improve water supply, water quality, and reliability.

- (2) The Secretary will, as appropriate, pursue program and project implementation and authorization in coordination with Project Contractors to improve the water supply, water quality, and reliability of the Project for all Project purposes.
- (3) The Secretary will coordinate with Project Contractors and the State of California to seek improved water resource management.
- (4) The Secretary will coordinate actions of agencies within the Department of the Interior that may impact the availability of water for Project purposes.
- (5) The Contracting Officer shall periodically, but not less than annually, hold division level meetings to discuss Project operations, division level water management activities, and other issues as appropriate.
- (d) Without limiting the contractual obligations of the Contracting Officer under the other Articles of this Contract, nothing in this Article shall be construed to limit or constrain the Contracting Officer's ability to communicate, coordinate, and cooperate with the Contractor or other interested stakeholders or to make decisions in a timely fashion as needed to protect health, safety, or the physical integrity of structures or facilities.

#### CHARGES FOR DELINQUENT PAYMENTS

20. (a) The Contractor shall be subject to interest, administrative and penalty charges on delinquent installments or payments. When a payment is not received by the due date, the Contractor shall pay an interest charge for each day the payment is delinquent beyond the due date. When a payment becomes sixty (60) days delinquent, the Contractor shall pay an administrative charge to cover additional costs of billing and processing the delinquent payment. When a payment is delinquent ninety (90) days or more, the Contractor shall pay an additional penalty charge of six (6%) percent per year for each day the payment is delinquent beyond the due date. Further, the Contractor shall pay any fees incurred for debt collection services

associated with a delinquent payment.

- (b) The interest charge rate shall be the greater of the rate prescribed quarterly in the Federal Register by the Department of the Treasury for application to overdue payments, or the interest rate of one-half of one (0.5%) percent per month prescribed by Section 6 of the Reclamation Project Act of 1939 (Public Law 76-260). The interest charge rate shall be determined as of the due date and remain fixed for the duration of the delinquent period.
- (c) When a partial payment on a delinquent account is received, the amount received shall be applied, first to the penalty, second to the administrative charges, third to the accrued interest, and finally to the overdue payment.

### **EQUAL OPPORTUNITY**

- 21. During the performance of this Contract, the Contractor agrees as follows:
- (a) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination, rates of payment or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Contracting Officer setting forth the provisions of this nondiscrimination clause.
- (b) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without discrimination because of race, color, religion, sex, or national origin.
- (c) The Contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the Contracting Officer, advising the said labor union or workers' representative of the Contractor's commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
  - (d) The Contractor will comply with all provisions of Executive Order

No. 11246 of September 24, 1965, as amended, and of the rules, regulations, and relevant orders of the Secretary of Labor.

- (e) The Contractor will furnish all information and reports required by said amended Executive Order and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the Contracting Officer and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (f) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended, in whole or in part, and the Contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in said amended Executive Order, and such other sanctions may be imposed and remedies invoked as provided in said Executive Order, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (g) The Contractor will include the provisions of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of said amended Executive Order, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

# GENERAL OBLIGATION--BENEFITS CONDITIONED UPON PAYMENT

- 22. (a) The obligation of the Contractor to pay the United States as provided in this Contract is a general obligation of the Contractor notwithstanding the manner in which the obligation may be distributed among the Contractor's water users and notwithstanding the default of individual water users in their obligations to the Contractor.
- (b) The payment of charges becoming due hereunder is a condition precedent to receiving benefits under this Contract. The United States shall not make water available to the Contractor through Project facilities during any period in which the Contractor may be in arrears in the advance payment of water rates due the United States. The Contractor shall not furnish water made available pursuant to this Contract for lands or parties which are in arrears in the advance payment of water rates levied or established by the Contractor.

940 (c) With respect to subdivision (b) of this Article, the Contractor shall have no 941 obligation to require advance payment for water rates which it levies.

### COMPLIANCE WITH CIVIL RIGHTS LAWS AND REGULATIONS

- 23. (a) The Contractor shall comply with Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d), Section 504 of the Rehabilitation Act of 1975 (P.L. 93-112, as amended), the Age Discrimination Act of 1975 (42 U.S.C. 6101, et seq.) and any other applicable civil rights laws, as well as with their respective implementing regulations and guidelines imposed by the U.S. Department of the Interior and/or Bureau of Reclamation.
- (b) These statutes require that no person in the United States shall, on the grounds of race, color, national origin, handicap, or age, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity receiving financial assistance from the Bureau of Reclamation. By executing this Contract, the Contractor agrees to immediately take any measures necessary to implement this obligation, including permitting officials of the United States to inspect premises, programs, and documents.
- (c) The Contractor makes this agreement in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, property discounts, or other Federal financial assistance extended after the date hereof to the Contractor by the Bureau of Reclamation, including installment payments after such date on account of arrangements for Federal financial assistance which were approved before such date. The Contractor recognizes and agrees that such Federal assistance will be extended in reliance on the representations and agreements made in this Article, and that the United States reserves the right to seek judicial enforcement thereof.

### PRIVACY ACT COMPLIANCE

- 24. (a) The Contractor shall comply with the Privacy Act of 1974 (5 U.S.C. 552a) (the Act) and the Department of the Interior rules and regulations under the Act (43 CFR 2.45 et seq.) in maintaining Landholder acreage certification and reporting records, required to be submitted to the Contractor for compliance with Sections 206 and 228 of the Reclamation Reform Act of 1982 (96 Stat. 1266), and pursuant to 43 CFR 426.18.
- (b) With respect to the application and administration of the criminal penalty provisions of the Act (5 U.S.C. 552a(i)), the Contractor and the Contractor's employees responsible for maintaining the certification and reporting records referenced in (a) above are

considered to be employees of the Department of the Interior. See 5 U.S.C. 552a(m).

- (c) The Contracting Officer or a designated representative shall provide the Contractor with current copies of the Interior Department Privacy Act regulations and the Bureau of Reclamation Federal Register Privacy Act System of Records Notice (Acreage Limitation-Interior, Reclamation-31) which govern the maintenance, safeguarding, and disclosure of information contained in the Landholder's certification and reporting records.
- (d) The Contracting Officer shall designate a full-time employee of the Bureau of Reclamation to be the System Manager who shall be responsible for making decisions on denials pursuant to 43 CFR 2.61 and 2.64 amendment requests pursuant to 43 CFR 2.72. The Contractor is authorized to grant requests by individuals for access to their own records.
- (e) The Contractor shall forward promptly to the System Manager each proposed denial of access under 43 CFR 2.64; and each request for amendment of records filed under 43 CFR 2.71; notify the requester accordingly of such referral; and provide the System Manager with information and records necessary to prepare an appropriate response to the requester. These requirements do not apply to individuals seeking access to their own certification and reporting forms filed with the Contractor pursuant to 43 CFR 426.18, unless the requester elects to cite the Privacy Act as a basis for the request.

# CONTRACTOR TO PAY CERTAIN MISCELLANEOUS COSTS

25. In addition to all other payments to be made by the Contractor pursuant to this Contract, the Contractor shall pay to the United States, within 60 days after receipt of a bill and detailed statement submitted by the Contracting Officer to the Contractor for such specific items of direct cost incurred by the United States for work requested by the Contractor associated with this Contract plus indirect costs in accordance with applicable Bureau of Reclamation policies and procedures. All such amounts referred to in this Article shall not exceed the amount agreed to in writing in advance by the Contractor. This Article shall not apply to costs for routine contract administration.

#### WATER CONSERVATION

26. (a) Prior to the delivery of water provided from or conveyed through

Federally constructed or Federally financed facilities pursuant to this Contract, the Contractor shall be implementing an effective water conservation and efficiency program based on the Contractor's water conservation plan that has been determined by the Contracting Officer to meet the conservation and efficiency criteria for evaluating water conservation plans established under Federal law. The water conservation and efficiency program shall contain definite water conservation objectives, appropriate economically feasible water conservation measures, and time schedules for meeting those objectives. Continued Project Water delivery pursuant to this Contract shall be contingent upon the Contractor's continued implementation of such water conservation program. In the event the Contractor's water conservation plan or any revised water conservation plan completed pursuant to subdivision (d) of Article 26 of this Contract have not yet been determined by the Contracting Officer to meet such criteria, due to circumstances which the Contracting Officer determines are beyond the control of the Contractor, water deliveries shall be made under this Contract so long as the Contractor diligently works with the Contracting Officer to obtain such determination at the earliest practicable date, and thereafter the Contractor immediately begins implementing its water conservation and efficiency program in accordance with the time schedules therein.

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- (b) Should the amount of M&I Water delivered pursuant to subdivision (a) of Article 3 of this Contract equal or exceed 2,000 acre-feet per Year, the Contractor shall implement the Best Management Practices identified by the time frames issued by the California Urban Water Conservation Council for such M&I Water unless any such practice is determined by the Contracting Officer to be inappropriate for the Contractor.
- (c) The Contractor shall submit to the Contracting Officer a report on the status of its implementation of the water conservation plan on the reporting dates specified in the

then existing conservation and efficiency criteria established under Federal law.

- (d) At five-year intervals, the Contractor shall revise its water conservation plan to reflect the then-current conservation and efficiency criteria for evaluating water conservation plans established under Federal law and submit such revised water management plan to the Contracting Officer for review and evaluation. The Contracting Officer will then determine if the water conservation plan meets Reclamation's then-current conservation and efficiency criteria for evaluating water conservation plans established under Federal law.
- (e) If the Contractor is engaged in direct groundwater recharge, such activity shall be described in the Contractor's water conservation plan.

# **EXISTING OR ACQUIRED WATER OR WATER RIGHTS**

27. Except as specifically provided in Article 17 of this Contract, the provisions of this Contract shall not be applicable to or affect non-Project water or water rights now owned or hereafter acquired by the Contractor or any user of such water within the Contractor's Service Area. Any such water shall not be considered Project Water under this Contract. In addition, this Contract shall not be construed as limiting or curtailing any rights which the Contractor or any water user within the Contractor's Service Area acquires or has available under any other contract pursuant to Federal Reclamation law.

# OPERATION AND MAINTENANCE BY OPERATING NON-FEDERAL ENTITY<sup>24</sup>

28. (a) The O&M of a portion of the Project facilities which serve the Contractor, and responsibility for funding a portion of the costs of such O&M, have been transferred to the Operating Non-Federal Entity by separate agreement between the United States and the

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<sup>&</sup>lt;sup>24</sup> Include where applicable.

Operating Non-Federal Entity. That separate agreement shall not interfere with or affect the rights or obligations of the Contractor or the United States hereunder.

- that the O&M of a portion of the Project facilities which serve the Contractor has been transferred to the Operating Non-Federal Entity, and therefore, the Contractor shall pay directly to the Operating Non-Federal Entity, or to any successor approved by the Contracting Officer under the terms and conditions of the separate agreement between the United States and the Operating Non-Federal Entity described in subdivision (a) of this Article, all rates, charges, or assessments of any kind, including any assessment for reserve funds, which the Operating Non-Federal Entity or such successor determines, sets, or establishes for the O&M of the portion of the Project facilities operated and maintained by the Operating Non-Federal Entity or such successor shall not relieve the Contractor of its obligation to pay directly to the United States the Contractor's share of the Project Rates, Charges, and Tiered Pricing Component(s) except to the extent the Operating Non-Federal Entity collects payments on behalf of the United States in accordance with the separate agreement identified in subdivision (a) of this Article.
- (c) For so long as the O&M of any portion of the Project facilities serving the Contractor is performed by the Operating Non-Federal Entity, or any successor thereto, the Contracting Officer shall adjust those components of the Rates for Water Delivered under this Contract representing the cost associated with the activity being performed by the Operating Non-Federal Entity or its successor.
- (d) In the event the O&M of the Project facilities operated and maintained by the Operating Non-Federal Entity is re-assumed by the United States during the term of this

Contract, the Contracting Officer shall so notify the Contractor, in writing, and present to the Contractor a revised Exhibit "B" which shall include the portion of the Rates to be paid by the Contractor for Project Water under this Contract representing the O&M costs of the portion of such Project facilities which have been re-assumed. The Contractor shall, thereafter, in the absence of written notification from the Contracting Officer to the contrary, pay the Rates, Charges, and Tiered Pricing Component(s) specified in the revised Exhibit "B" directly to the United States in compliance with Article 7 of this Contract.

[Divisional Issue – inclusion of new Article 28.1 for contracts involving additional OperatingCONTINGENT ON APPROPRIATION OR ALLOTMENT OF FUNDS

29. The expenditure or advance of any money or the performance of any obligation of the United States under this Contract shall be contingent upon appropriation or allotment of funds. Absence of appropriation or allotment of funds shall not relieve the Contractor from any obligations under this Contract. No liability shall accrue to the United States in case funds are not appropriated or allotted.

# BOOKS, RECORDS, AND REPORTS

- 30. (a) The Contractor shall establish and maintain accounts and other books and records pertaining to administration of the terms and conditions of this Contract, including: the Contractor's financial transactions, water supply data, and Project land and right-of-way agreements; the water users' land-use (crop census), land ownership, land-leasing and water use data; and other matters that the Contracting Officer may require. Reports thereon shall be furnished to the Contracting Officer in such form and on such date or dates as the Contracting Officer may require. Subject to applicable Federal laws and regulations, each party to this Contract shall have the right during office hours to examine and make copies of the other party's books and records relating to matters covered by this Contract.
- (b) Notwithstanding the provisions of subdivision (a) of this Article, no books, records, or other information shall be requested from the Contractor by the Contracting Officer unless such books, records, or information are reasonably related to the administration or performance of this Contract. Any such request shall allow the Contractor a reasonable period of

time within which to provide the requested books, records, or information.

(c) At such time as the Contractor provides information to the Contracting

Officer pursuant to subdivision (a) of this Article, a copy of such information shall be provided to the Operating Non-Federal Entity.

# ASSIGNMENT LIMITED--SUCCESSORS AND ASSIGNS OBLIGATED

- 31. (a) The provisions of this Contract shall apply to and bind the successors and assigns of the parties hereto, but no assignment or transfer of this Contract or any right or interest therein shall be valid until approved in writing by the Contracting Officer.
- (b) The assignment of any right or interest in this Contract by either party shall not interfere with the rights or obligations of the other party to this Contract absent the written concurrence of said other party.
- (c) The Contracting Officer shall not unreasonably condition or withhold his approval of any proposed assignment.

### SEVERABILITY

32. In the event that a person or entity who is neither (i) a party to a Project contract, nor (ii) a person or entity that receives Project Water from a party to a Project contract, nor (iii) an association or other form of organization whose primary function is to represent parties to Project contracts, brings an action in a court of competent jurisdiction challenging the legality or enforceability of a provision included in this Contract and said person, entity, association, or organization obtains a final court decision holding that such provision is legally invalid or unenforceable and the Contractor has not intervened in that lawsuit in support of the plaintiff(s), the parties to this Contract shall use their best efforts to (i) within 30 days of the date of such final court decision identify by mutual agreement the provisions in this Contract which must be

revised, and (ii) within three months thereafter promptly agree on the appropriate revision(s). The time periods specified above may be extended by mutual agreement of the parties. Pending the completion of the actions designated above, to the extent it can do so without violating any applicable provisions of law, the United States shall continue to make the quantities of Project Water specified in this Contract available to the Contractor pursuant to the provisions of this Contract which were not found to be legally invalid or unenforceable in the final court decision.

### RESOLUTION OF DISPUTES

33. Should any dispute arise concerning any provisions of this Contract, or the parties' rights and obligations thereunder, the parties shall meet and confer in an attempt to resolve the dispute. Prior to the Contractor commencing any legal action, or the Contracting Officer referring any matter to Department of Justice, the party shall provide to the other party 30 days' written notice of the intent to take such action; Provided, That such notice shall not be required where a delay in commencing an action would prejudice the interests of the party that intends to file suit. During the 30-day notice period, the Contractor and the Contracting Officer shall meet and confer in an attempt to resolve the dispute. Except as specifically provided, nothing herein is intended to waive or abridge any right or remedy that the Contractor or the United States may have.

#### OFFICIALS NOT TO BENEFIT

34. No Member of or Delegate to Congress, Resident Commissioner, or official of the Contractor shall benefit from this Contract other than as a water user or landowner in the same manner as other water users or landowners.

# CHANGES IN CONTRACTOR'S SERVICE AREA

35. (a) While this Contract is in effect, no change may be made in the Contractor's Service Area, by inclusion or exclusion of lands, dissolution, consolidation, merger, or otherwise, except upon the Contracting Officer's written consent.

Within 30 days of receipt of a request for such a change, the Contracting (b) Officer will notify the Contractor of any additional information required by the Contracting Officer for processing said request, and both parties will meet to establish a mutually agreeable schedule for timely completion of the process. Such process will analyze whether the proposed change is likely to: (i) result in the use of Project Water contrary to the terms of this Contract; (ii) impair the ability of the Contractor to pay for Project Water furnished under this Contract or to pay for any Federally-constructed facilities for which the Contractor is responsible; and (iii) have an impact on any Project Water rights applications, permits, or licenses. In addition, the Contracting Officer shall comply with the NEPA and the ESA. The Contractor will be responsible for all costs incurred by the Contracting Officer in this process, and such costs will be paid in accordance with Article 25 of this Contract. FEDERAL LAWS 36. By entering into this Contract, the Contractor does not waive its rights to contest the validity or application in connection with the performance of the terms and conditions of this Contract of any Federal law or regulation; Provided, That the Contractor agrees to comply with the terms and conditions of this Contract unless and until relief from application of such Federal law or regulation to the implementing provision of the Contract is granted by a court of competent jurisdiction. **NOTICES** Any notice, demand, or request authorized or required by this Contract shall be 37. deemed to have been given, on behalf of the Contractor, when mailed, postage prepaid, or delivered to the Area Manager behalf of the United States, when mailed, postage prepaid, or delivered to the Board of Directors/City Council of the . The designation of the addressee or the address may be changed by notice given in the same manner as provided in this

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Article for other notices.

1165 <u>CONFIRMATION OF CONTRACT<sup>25</sup></u>

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38. The Contractor, after the execution of this Contract, shall promptly seek to secure a decree of a court of competent jurisdiction of the State of California, confirming the execution of this Contract. The Contractor shall furnish the United States a certified copy of the final decree, the validation proceedings, and all pertinent supporting records of the court approving and confirming this Contract, and decreeing and adjudging it to be lawful, valid, and binding on the Contractor.

 $<sup>^{\</sup>rm 25}$  Permission is pending to use alternate provision for M&I only contractors.

1173	IN WITNESS WHEREOF, the	parties hereto have executed this Contract as of
1174	the day and year first above written.	
1175		THE UNITED STATES OF AMERICA
1176 1177 1178		By: Regional Director, Mid-Pacific Region Bureau of Reclamation
1179		[NAME OF CONTRACTOR]
1180 1181		By: President of the Board of Directors
1182	Attest:	
1183 1184	By: Secretary of the Board of Directors	

# **EXHIBIT A**

[Map or Description of Service Area]

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CVP-Wide Form 11-05 Contract No.\_\_\_\_\_ - LTR1

EXHIBIT B
[Initial Rates and Charges]

#### APPENDIX A: TABLE A-1 GENERAL SUMMARY AND COMPARISON OF SELECTED DRAFT DRAFT 2003 CONTRACT PROVISIONS **Draft General Summary of Existing Contract Provisions** General Summary of Proposed Preferred Action Contract Provisions 1 (Refer to Table A-2 for unique elements by Contractor) **Contract Provisions** Generally based on 2003 personal communications Common to All Ten<sup>1</sup> 2003 Draft RAFT Final Long Elements Unique to Contracts that Include (B. Holt, Reclamation, Term Contracts<sup>2</sup> Irrigation Water<sup>3</sup> 2003)information: (pers. comm.. B. Holt 2003) Assumes water rights held by CVP. No similar recital. **Explanatory Recitals** No similar recital. Assumes CVP water has been relied upon by urban and agricultural areas in California for more than 50 years and is considered an essential part of its water supply by the contractor. No similar recital. Assumes regional economies depend on CVP water. Assumes the Secretary of the Interior intends, through No similar recital. coordination, cooperation, and partnerships, to pursue measures to improve the water supply, water quality, and reliability of the CVP. Assumes CVP will facilitate cooperative efforts among local Assumes the need for the 3408(i) water service agencies to develop the Redding Groundwater study. Basin for conjunctive management and use with CVP water supplies. Defines "Charges" as "payments required by Federal **Definitions** Assumes payments in addition to the Rates determined by the contracting contracting officer law in addition to the Rates and Tiered Pricing Components specified in the contract." officer each year. Defines "Contract Total" as "the maximum amount of water to No similar definition. which the contractor is entitled" under the contract.

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

2 Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

<sup>&</sup>lt;sup>3</sup> BVWD and CCWD<sup>1</sup>-Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)		
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
	Existing long-term contract: No similar definition. Interim renewal contract: Assumes to be individual or entity owning or leasing lands served with irrigation water.		Defines "Landholder" as "a party that directly or indirectly owns or leases nonexempt land."
	Existing long-term contract: Assumes use of water delivered to land in units less than or equal to 2 acres to be M&I use unless contracting officer is satisfied that use is irrigation. Interim renewal contract: Assumes same as existing long-term contracts except applied to units less than 5 acres.	Defines "M&I Water" as CVP "water made available to the contractor for purposes other than the commercial production of agricultural crops or livestock"	Defines "M&I Water" as "CVP water, other than irrigation water, made available to the contractor. M&I Water shall include water used for human use and purposes such as the watering of landscaping or pasture for animals (e.g., horses) which are kept for personal enjoyment or water delivered to land holdings operated in units of less than 5 acres unless the contractor establishes to the satisfaction of the contracting officer that the use of water delivered to any such landholding is a use described in [the definition for "irrigation water"].
	No similar definition.	Defines "Recent Historic Average" as "the most recent 5-year average of the final forecast of water made available to the contractor" under the LTCR or its preceding contract(s).	
	No similar definition.	Defines "Tiered Pricing Component" as "the incremental amount to be paid for each acre-foot of water delivered."	

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

<sup>3</sup> BVWD and CCWD

<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

<sup>&</sup>lt;sup>1</sup> Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS				
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed</u> - <del>Preferred Action</del> Contract Provisions <sup>1</sup>		
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003) information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> <u>2003</u> D<u>raft</u> <del>RAFT Final</del> Long Term Contracts<sup>2</sup></del>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>	
	No similar definition.		Defines "Excess Lands" as all lands in excess of the limitations contained in Section 204 of the RRA.	
	No similar definition.		Defines "Landholder" as "a party that directly or indirectly owns or leases nonexempt land."	
Term of Contract and Renewal Terms	Existing long-term contract: Assumes shall remain in effect through December 31, 2004; right to renew for additional terms not to exceed 40 years on mutually agreeable terms. Also assumes conversion to repayment contract authorized upon mutually agreeable terms once project costs allocated. Interim renewal contract: Assumes shall remain in effect through February 28, 2002; assumes renewal will be 25-year long-term renewal or further interim renewal under specified conditions.	States that contract will be effective from March 1, 2004, through February 28, 2029. States that contract "shall be renewed for a period of 25 years." The term for subsequent renewal of M&I water "shall be for a period of 25 years and thereafter shall be renewed for successive periods of up to 40 years each, consistent with then-existing contracting officer-wide policy and consistent with Federal and state law."	States that "contract, insofar as it pertains to the furnishing of irrigation water to the contractor, shall be renewed for a period of 25 years." Makes renewal contingent on several provisions, including the following: "(1) the contractor has prepared a water conservation plan that meets the Federal conservation and efficiency criteria for evaluating such plans; (2) the contractor is implementing an effective water conservation and efficiency program; [and] (3) the contractor is maintaining all water measuring devices and implementing water measurement methods."	
Water to Be Made Available and Delivered	Existing long-term contract: Assumes water will be made available according	Specifies the amount of water available for delivery to the contractor.		

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

2 Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

<sup>&</sup>lt;sup>3</sup> BVWD and CCWD<sup>1</sup> Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed</u> -Preferred Action Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications  (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
to the Contractor	to schedule; application of laws and provision re facility outages and shortage provision implicit. Interim renewal contract: Assumes water will be made available according to schedule, existing rules; provision re facility outages and shortage provision explicit.	States that because of constraints on CVP water, "the likelihood of [a] contractor actually receiving the amount of water" specified as available for delivery "in any given year is uncertain." Further states that "modeling referenced in the PEIS projected that the contract totalwill not be availablein many years." Cites recent historic average of water made available to contractor.	
	No similar explicit requirement.  Existing long-term contract: No similar explicit terms; reasonable and beneficial use required by Federal and state law. Interim renewal contract: Assumes contractor required to make reasonable and beneficial use of water; contractor permitted to use CVP water in groundwater recharge program in accordance with state law and water management plan.	Assumes compliance with applicable laws  Allows CVP or other water furnished pursuant to the contract to be used for groundwater recharge, groundwater banking, surface water storage, and similar programs. Requires that any direct recharge program be described in the contractor's Water Conservation Plan. Allows use of CVP water or other water furnished pursuant to the contract be used for such programs with approval of contracting officer, which would be based on environmental documentation and CVP water rights and operational concerns.	

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

<sup>2</sup> Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

3 BWWD and CCWD

<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

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APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)  General Summary of Proposed Preferred Action (Contractor)		<del>erred Action</del> Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> <u>2003</u> D<u>raft</u> <del>RAFT Final</del> Long Term Contracts<sup>2</sup></del>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
	Existing long-term contract: Assumes compliance with laws; implicit obligation to meet applicable requirements under environmental documents. Interim renewal contract: Assumes explicit obligation on compliance with applicable requirements of biological opinions and other environmental documents for contracting.	Requires that contractor comply with applicable requirements in Biological Opinions prepared concerning the contract to comply with the Endangered Species Act that are within the contractor's legal authority to implement. States that contractor can challenge or seek judicial relief with respect to Biological Opinions or other environmental documentation.	
	Existing long-term contract: Assumes contracting officer will strive to develop additional firm supplies. Interim renewal contract: Assumes contracting officer will determine if additional water can be made available; if so, will be made available in accordance with statutes, regulations, policies, and guidelines.	States that contracting officer will determine whether CVP water or other water available to the CVP can be made available to contractor in addition to the contract total, in accordance with applicable statutes, regulations, guidelines, and policies.	
	Existing long-term contract: No similar provision. Interim renewal contract: Contract may request to carry over or preuse contract supplies.	States that contractor can request to "reschedule" (i.e., to "preuse" or "carry over") water made available under the contract.	

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

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<sup>&</sup>lt;sup>3</sup> BVWD and CCWD<sup>1</sup> Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
<u>Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)</u> General Summary of Proposed-Preferred Action Contract Provision General Summary of Proposed Preferred Action Contract Provision General Summary of Proposed Preferred Action Contract Provision (Refer to Table A-2 for unique elements by Contractor)		<del>ferred Action</del> Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
	Existing long-term contract: No similar provision. Interim renewal contract: Upon written approval by contracting officer specifying terms and conditions, water may be delivered for purposes other than irrigation or M&I.	States that CVP water furnished to the contractor "may be delivered for other than irrigation or M&I purposes" upon written approval by contracting officer in accordance with terms and conditions specified in approval.	
	Existing long-term contract: No similar provision. Interim renewal contract: No similar provision.	States that contracting officer will "make reasonable efforts to protect water rights necessary for the [CVP] and to provide the water available" under the contract Further states that contracting officer shall not object to contractor's participation in administrative proceedings related to water rights	
Time for Delivery of Water	Assumes methods for determining timing of deliveries.	Assumes methods for determining timing of water deliveries	
Point of Diversion and Responsibility for Distribution of Water	Assumes methods for determining point of diversion.	Assumes methods for determining point(s) of diversion; assumes measurement at points of delivery.	States that "the contracting officer shall make all reasonable efforts to maintain sufficient flows and levels of water in [water body specific to each contractor]."

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

BWWD and CCWD

<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

<sup>&</sup>lt;sup>4</sup> Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)  General Summary of Proposed Preferred Action Contract Provisions  General Summary of Proposed Preferred Action Contract Provisions		<del>ferred Action</del> Contract Provisions <sup>1</sup>
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
Measurement of Water within the District/Service Area	Existing long-term contract: Contractor has no similar obligation. Interim renewal contract: Assumes measurement for each agricultural turnout and M&I connection for facilities that are used for all water supplies.	Requires contractor to measure "all surface water delivered for M&I purposes [to be] measured at each municipal and industrial service connection."	Requires contractor to measure all surface water delivered for irrigation purposes at each agricultural turnout.
Rates and Method of Payment for Water	Existing long-term contract: Assumes rates fixed or determined as specified in contract; assumes semiannual payment of rates in advance of delivery; no provision for charges or tiered pricing. Interim renewal contract: Assumes payment of cost-of-service rates pursuant to rate-setting policy; payment of rates for first two months of scheduled deliveries with submission of delivery schedule each year; payment before end of month for next succeeding month=s deliveries thereafter; assumes payment for charges before end of month following delivery; tiered pricing as required by water conservation plan.	TO BE DETERMINED	TO BE DETERMINED

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

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<sup>&</sup>lt;sup>3</sup> BVWD and CCWD<sup>1</sup> Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)  General Summary of Proposed Preferred Action Contractor		<del>ferred Action</del> Contract Provisions <sup>1</sup>
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
	No similar provision.		Allows the contractor to request an exemption from tiered pricing components for CVP water delivered to produce a crop that will provide habitat values for waterfowl, if the habitat values are consistent with the purposes of the CVPIA.
	No similar provision.		Provides conditions and costs to the contractor for the commingling of CVP irrigation water and water acquired from another source.
Non-Interest Bearing Operation and Maintenance Deficits	Existing long-term contract: No similar provision. Interim renewal contract: Assumes either there is no non-interest-bearing deficit or that agreement is in place to retire any non-interest-bearing deficit.	Assumes the contractor has no non-interest bearing operation and maintenance deficits or, if there are deficits, that there is an agreement in place to retire the deficits.	

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

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3 BWWD and CCWD

<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

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APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed Preferred Action</u> Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications  (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
Sales, Transfers, or Exchanges of Water	Existing long-term contract: Requires contracting officer consent for CVP water use outside contractor service area. Interim renewal contract: Assumes sales, transfers or exchanges with others in accordance with Federal and state laws, guidelines and regulations, with consent of Contracting Officer. No intent to impede transfers between districts historically approved.	For historic transfers, requires advance notice but not prior written approval. Contracting officer will prepare	
Application of Payments and Adjustments	Assumes refund of overpayment after satisfaction of any accrued indebtedness upon contractor request	Assumes any overpayments will be applied to current liabilities under the contract. Overpayments totaling more than \$1,000 will be refunded at contractor's request.	

<sup>3</sup> BVWD and CCWD<sup>1</sup> Excludes the USFS Centimudi Memorandum of Understanding.

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

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APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	<u>Ct Provisions</u> <u>r unique elements</u> General Summary of <u>Proposed Preferred Action</u> Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> <u>2003</u> D<u>raft</u> <del>RAFT Final</del> Long Term Contracts<sup>2</sup></del>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
Temporary Reductions Return Flows	Existing long-term contract: Assumes United States reserves the right to return flows, seepage, and waste exiting contractor boundaries; assumes temporary reductions for operation, maintenance, and rehabilitation of facilities. Interim renewal contract: Substantially similar to long-term contracts; makes express existing obligation of Contracting Officer to make CVP water available, subject to authorized purposes and priorities of CVP and to obligations under existing contracts.	States that "contracting officer shall make all reasonable efforts to optimize water deliveries" from the CVP. Assumes contracting officer may temporarily discontinue or reduce water deliveries to investigate, inspect, maintain, repair, or replace CVP facilities. Reserves for the United States the right to all seepage and return flow water.	

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3 BWWD and CCWD

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APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed Preferred Action</u> Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
Constraints on Availability of Project Water	Existing long-term contract: Assumes obligation of United States to utilize all reasonable means to guard against a condition of shortage; no liability of United States for shortages from specified causes; provides mechanism for apportionment of shortages among existing contractors. Interim renewal contract: Assumes obligation of Contracting Officer to utilize all reasonable means to guard against a condition of shortage; no liability to United States for shortages from specified causes, including actions of Contracting Officer to meet legal obligations, so long as such actions are not based upon arbitrary, capricious or unreasonable opinions or determinations; provides mechanism for apportionment of shortages among existing and future contractors, as described.	Absolves United States from liability for water shortage for causes beyond the control of the contracting officer or actions taken to meet legal obligations. Allocates CVP water "in accordance with the then-existing CVP M&I Water Shortage Policy." States that "contracting officer shall make all reasonable efforts to optimize water deliveries"; absolves U S from liability for water shortages for causes beyond the control of the contracting officer or actions taken to meet legal obligations; and allocates water "in accordance with then-existing CVP M&I Water Shortage Policy."	States that "Centractor shall not be deemed to have delivered irrigation water to excess lands or ineligible landsif such lands are irrigated with groundwater" that percolates from applied CVP water.
Unavoidable Groundwater Percolation	Assumes that some of applied CVP water will percolate to groundwater		States that "Contractor shall not be deemed to have delivered irrigation water to excess lands or ineligible landsif such lands are irrigated with groundwater" that percolates from applied CVP water.

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

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APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS			
Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)  General Summary of Proposed-Preferred Action Contract I		<del>erred Action</del> Contract Provisions <sup>1</sup>	
Contract Provisions	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>
Rules and Regulations	Assumes that CVP will operate in accordance with then-existing rules.	Assumes that CVP will operate in accordance with then- existing rules and regulations.	
Water and Air Pollution Control	Assumes that CVP will operate in accordance with then-existing rules.	Requires contractor to comply with state and Federal water and air pollution control laws and to obtain required permits.	
Quality of Water	Existing long-term contract: Assumes that water quality will be based on subjective standard; no warranty of quality; payment relief if water quality unsuitable. Interim renewal contract: Assumes operation and maintenance of CVP facilities to enable United States to deliver water in accordance with existing statutory quality standards; no warranty of quality.	States that CVP facilities shall be operated and maintained to enable the United States to deliver water in accordance with statutory water quality standards; does not provide warranty for water quality.	
Water Acquired by the Contractor Other Than from the United States	Existing long-term contract: Assumes that water may be commingled in district system as specified in contract. Interim renewal contract: Assumes that CVP and non-CVP water may be commingled in district system in accordance with existing rules.	Allows contractor to use CVP facilities for water not provided by the United States subject to environmental documentation and payment for such use.	

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

<sup>2</sup> Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

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<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup>-contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

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#### APPENDIX A: TABLE A-1 GENERAL SUMMARY AND COMPARISON OF SELECTED DRAFT DRAFT 2003 CONTRACT PROVISIONS **Draft General Summary of Existing Contract Provisions** General Summary of Proposed Preferred Action Contract Provisions 1 (Refer to Table A-2 for unique elements by Contractor) **Contract Provisions** Generally based on 2003 personal Common to All Ten<sup>4</sup> 2003 D<u>raft</u> RAFT Final Long Term Contracts<sup>2</sup> communications **Elements Unique to Contracts that Include** (B. Holt, Reclamation, Irrigation Water<sup>3</sup> 2003)information: (pers\_comm\_B\_Holt 2003) Existing long-term contract: Opinions Expresses right to relief for actions based on "arbitrary, **Opinions and** and determinations of parties to capricious, or unreasonable opinions or determinations." **Determinations** contract not to be arbitrary, capricious, or unreasonable; adjustment of payment obligations. Interim renewal contract: Opinions and determinations not to be arbitrary, capricious, or unreasonable; parties may seek relief, adjustment, monetary damages if they are. States that contracting officer and contractor "shall Coordination and No similar provision. communicate, coordinate, and cooperate with each other. Cooperation and with other affected [CVP] contractors, in order to improve the operation and management of the [CVP]." No similar provision. Provides mechanism to develop communication process. Allows contracting officer to assist the contractor in No similar provision. developing integrated resource management plans. No similar provision. Provides for the Secretary of the Interior to coordinate with contractors and the State of California to seek improved water resource management.

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

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APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS					
Contract Provisions	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed Preferred Action</u> Contract Provisions <sup>1</sup>			
	Generally based on 2003 personal communications  (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>		
	No similar provision.	Provides for the Secretary of the Interior and contractor to work together and with others in the region of the Redding Groundwater Basin to "facilitate the better integration within the regionof all water supplies."			
Charges for Delinquent Payments	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.			
Equal Opportunity	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.			
General Obligation Benefits Conditioned upon Payment	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.			
		Does not require contractor to obtain advance payment for water rates.			
Compliance with Civil Rights Laws and Regulations	Assumes that CVP will operate in accordance with existing rules.	Requires contractor to comply with existing laws and regulations.			
Privacy Act Compliance	Assumes that CVP will operate in accordance with existing rules.	Requires contractor to comply with existing laws and regulations.			

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

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3 BWWD and CCWD

<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

<sup>&</sup>lt;sup>4</sup> Excludes the USFS Centimudi Memorandum of Understanding.

#### APPENDIX A: TABLE A-1 GENERAL SUMMARY AND COMPARISON OF SELECTED DRAFT DRAFT 2003 CONTRACT PROVISIONS **Draft General Summary of Existing Contract Provisions** General Summary of Proposed Preferred Action Contract Provisions 1 (Refer to Table A-2 for unique elements by Contractor) **Contract Provisions** Generally based on 2003 personal Common to All Ten<sup>4</sup> 2003 D<u>raft</u> RAFT Final Long Term Contracts<sup>2</sup> communications **Elements Unique to Contracts that Include** (B. Holt, Reclamation, Irrigation Water<sup>3</sup> 2003)information: (pers\_comm\_B\_Holt 2003) Existing long-term contract: No similar Assumes that CVP will operate in accordance with existing **Contractor to Pay** provision. Interim renewal contract: **Certain Miscellaneous** Assumes that CVP will operate in Costs accordance with existing rules. **Water Conservation** Existing long-term contract: No explicit Requires contractor to comply with water conservation similar requirement. Interim renewal programs established by Reclamation and the State of contract: Assumes compliance with California. conservation programs established by Reclamation and the state. No similar provision. For contracts providing more than 2,000 acre-feet per year of M&I water, requires contractor to implement best management practices issued by the California Urban Water Conservation Council. No similar provision. Requires contractor to revise its water conservation plan at 5vear intervals to reflect then-current Federal criteria for evaluating water conservation plans. **Existing or Acquired** Assumes that contract provisions are Assumes that contract provisions are not applicable to nonnot applicable to non-CVP water. CVP water. **Water or Water Rights** subject to provision on commingling.

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

2 Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

<sup>&</sup>lt;sup>3</sup> BVWD and CCWD Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS					
Contract Provisions	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed</u> - <del>Preferred Action</del> Contract Provisions <sup>1</sup>			
	Generally based on 2003 personal communications  (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>		
Operation and Maintenance by Non- Federal Entity	Existing long-term contract: No similar provision. Interim renewal contract: Assumes that non-Federal entity will operate and maintain facilities and that certain payments to be made to that entity.	Assumes that non-Federal entity (if any) will operate and maintain CVP facilities and that certain payments will be made to that entity.			
Contingent on Appropriation or Allotment of Funds	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.			
Books, Records, and Reports	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules; clarifies that only contract-related records will be requested, and requires copies to be sent to non-Federal operating entity (if any).			
Assignment Limited	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.			
Severability	Existing long-term contract: No similar provision. Interim renewal contract: Assumes mechanism to address correction of provision found to be invalid upon legal challenge.	Assumes mechanism to address correction of provision found to be invalid upon legal challenge.			

<sup>1</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

<sup>2</sup> Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

3 BVWD and CCWD

<sup>&</sup>lt;sup>1</sup> The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

<sup>&</sup>lt;sup>4</sup> Excludes the USFS Centimudi Memorandum of Understanding.

APPENDIX A: TABLE <u>A-</u> 1 GENERAL SUMMARY AND COMPARISON OF <del>SELECTED DRAFT</del> <u>DRAFT 2003</u> CONTRACT PROVISIONS						
Contract Provisions	Draft General Summary of Existing Contract Provisions (Refer to Table A-2 for unique elements by Contractor)	General Summary of <u>Proposed Preferred Action</u> Contract Provisions <sup>1</sup>				
	Generally based on 2003 personal communications (B. Holt, Reclamation, 2003)information; (pers. comm., B. Holt 2003)	Common to <del>All Ten<sup>1</sup> 2003</del> D <u>raft</u> <del>RAFT Final</del> Long Term Contracts <sup>2</sup>	Elements Unique to Contracts that Include Irrigation Water <sup>3</sup>			
Resolution of Disputes	No similar provision.	Assumes a dispute resolution process.				
Officials Not to Benefit	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.				
Changes in Contractor's Service Area	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules and describes administrative process.				
Notices	Assumes that CVP will operate in accordance with existing rules.	Assumes that CVP will operate in accordance with existing rules.				
Confirmation of Contract	Existing long-term contract: Assumes required validation of contract under state law. Interim renewal contract: No validation action required.	Assumes required validation of contract under state law.				

<sup>3</sup> BVWD and CCWD<sup>1</sup> Excludes the USFS Centimudi Memorandum of Understanding.

March 2005

<sup>11</sup> Contract provisions were based on draft form contracts dated as follows: June 16, 2003 for BVWD, CCSD, City of Redding-Buckeye, City of Shasta Lake, CCCSD, and SCWA; June 26, 2003 for SCSD; and June 27, 2003 for KCSA and MGCSD.

The 10<sup>th</sup> contract, although informal, is a Memorandum of Agreement between two federal agencies and is not covered in this table.

2 Ten contractors comprise the Shasta and Trinity River Division. The tenth "contract" is actually a Memorandum of Understanding between two federal agencies: USFS (at Centimudi Boat Ramp) and Reclamation, and is not included in this table.

#### **APPENDIX A: TABLE 2** ELEMENTS UNIQUE TO EXISTING AND INTERIM CONTRACTS: SHASTA AND TRINITY RIVER DIVISIONS<sup>1</sup> M&I Water Only M&I and Irrigation Unique **Elements** Centerville **Mountain Gate** Shasta Clear Creek City of Shasta **Keswick County Shasta County Bella Vista** Community City of Redding Community Community Community Services Lake Services Area Water Agency **Water District Services District** Services District Services District District Water 2.900 acre-feet 6.140 acre-feet 2.750 acre-feet 500 acre-feet 350 acre-feet 1.000 acre-feet 2.100 acre-feet 24.000 acre-feet 15.300 acre-feet available for delivery 2.668 acre-feet 5.649 acre-feet 2.530 acre-feet 460 acre-feet 322 acre-feet 920 acre-feet 1.932 acre-feet 22.080 acre-feet 14.076 acre-feet Recent historic average made available Point(s) of Station 376+50 of Meter vault on 6-16-inch water meter Downstream end of Shasta Reservoir downstream end of leither at CVP Sacramento River downstream side of bifurcation valve at the Muletown inch pipeline about at water treatment metering equipment metering equipment facilities or at Wintu Pumping Diversion lat Station 98+60 of location(s) agreed Conduit 3/4 mile south of facilities adjacent to approximately at Plant Whiskeytown Dam outlet intersection of Lake Shasta Dam visitor Station 176+62.0 of Spring Creek to by contracting works the Spring Creek Blvd. and Shasta Power Conduit officer and Power Conduit Dam Blvd.; Spring contractor Creek Power Conduit at Buckeye Water Treatment Plant, and existing point(s) of delivery from Sacramento River below Keswick Dam Operating non-Clear Creek CSD Not applicable federal entity Not applicable Required Not applicable Not applicable Not applicable Required Required **Privacy Act** Not applicable Required [may change to Not compliance applicable when contract is revised to remove ag water]

<sup>&</sup>lt;sup>1</sup> Based on existing interim or unexpired contracts/data as of July 2003. The tenth "contract" is a Memorandum of Understanding between Reclamation and U.S. Forest Service (at the Centimudi Boat Ramp)

#### **APPENDIX A: TABLE 2** ELEMENTS UNIQUE TO EXISTING AND INTERIM CONTRACTS: SHASTA AND TRINITY RIVER DIVISIONS M&I Water Only M&I and Irrigation Unique **Elements** Centerville Shasta **Clear Creek Mountain Gate** City of Shasta **Bella Vista** Keswick County Shasta County Community Community City of Redding Community Community Services Lake Services Area Water Agency **Water District Services District** Services District Services District District Contractor shall Contractor shall Contractor shall Contractor shall Contractor shall Construction. operate and construct, install, construct, install, construct, install. construct, operate, installation, maintain 6-inch operate and operate and operate and and maintain at its operations maintain at its own pipeline, which maintain at its own maintain at its own own expense and shall continued to expense facilities expense facilities expense facilities facilities required to maintenance be owned by U.S.; required to take, required to take, required to take, take, convey, and (O&M), and unless otherwise convey, and convev. and convev. and distribute water to ownership of provided by distribute water to distribute water to distribute water to users served by facilities Congress, U.S. will users served by users served by users served by contractor continue to own contractor. contractor. contractor. Toyon Pipeline. Other special Contractor will U.S. shall not be U.S. shall not be Also receives water Costs associated Contracting officer shall compensate U.S. with irrigation water make reasonable efforts responsible to obligated to furnish from Reclamation's provisions for electricity losses maintain water water at point(s) of Sacramento River distribution works to deliver CVP water at resulting from water delivery in excess Division. Water full design head of levels in Shasta constructed by diverted at Spring Reservoir to permit of 1,750 gallons per made available for U.S. separately bifurcation valve less Creek Power reductions in capacity or contractor to minute nor to direct diversion by covered by a Conduit, U.S. is not withdraw water furnish water at contractor from repayment head caused by obligated to furnish from reservoir. heads or pressures Shasta, Keswick, contract. contractor's devices or more than 40 acresufficient to deliver and Whiskeytown systems. feet per vear from water into or have a valid claim. Shasta Reservoir at through contractor's All surface water the meter vault on facilities. delivered to the 6-inch pipeline. contractor must be Contractor shall not measured by the use water furnished contractor. under the contract for power production unless it is incidental to

Final EA for the Appendix A Table 2- Page 2 March 2005

water delivery to

<sup>&</sup>lt;sup>1</sup> Based on existing interim or unexpired contracts/data as of July 2003. The tenth "contract" is a Memorandum of Understanding between Reclamation and U.S. Forest Service (at the Centimudi Boat Ramp)

#### **APPENDIX A: TABLE 2** ELEMENTS UNIQUE TO EXISTING AND INTERIM CONTRACTS: SHASTA AND TRINITY RIVER DIVISIONS<sup>1</sup> M&I Water Only **M&I** and Irrigation Unique **Elements** Centerville **Mountain Gate** Shasta Clear Creek **Keswick County Bella Vista** City of Shasta **Shasta County** City of Redding Community Community Community Community Services Lake **Services Area Water Agency Water District Services District** Services District Services District District individual customers and Reclamation concurs with its use for power production. Contractor may use CVP water taken from 6-inch pipeline for approved water transfers and may pressurize deliveries through the pipeline. Requirement to measure water delivered includes backwash water used to clean filters at Buckeye Water Treatment Plant. Water furnished under this contract is considered separate from water furnished under Contract No. 14-06-200-2871A-R1.

<sup>&</sup>lt;sup>1</sup> Based on existing interim or unexpired contracts/data as of July 2003. The tenth "contract" is a Memorandum of Understanding between Reclamation and U.S. Forest Service (at the Centimudi Boat Ramp)

Appendix B

**List of Preparers** 

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Appendix C

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# **DISTRIBUTION LIST**

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**Updated Special-Status Species List (June 2003)** 

# USFWS County Species List County Species List Federal Endangered and Threatened Species that may be affected by projects in Shasta County

Database Last Updated: June 5, 2003 Today's Date is: June 27, 2003 Listed Species Invertebrates Branchinecta lynchi - vernal pool fairy shrimp (7) Desmocerus californicus dimorphus - valley elderberry longhorn beetle Lepidurus packardi - vernal pool tadpole shrimp (E) Pacifastacus fortis - Shasta crayfish (E) Fish Hypomesus transpacificus - delta smelt (T) Oncorhynchus mykiss - Central Valley steelhead (T) (NMF\$) Oncorhynchus tshawytscha - Central Valley spring-run chinook salmon (1) Pogonichthys macrolepidotus - Sacramento splittail (T) **Amphibians** Rana aurora draytonii - California red-legged frog (1) Birds Haliaeetus leucocephalus - bald eagle (T) Strix occidentalis caurina - northern spotted owl (1) Plants Orcuttia tenuis - slender Orcutt grass (T) Tuctoria greenei - Greene's tuctoria (=Orcutt grass) (E) Candidate Species Fish Acipenser medirostris - green sturgeon (C) Oncorhynchus tshawytscha - Central Valley fall/late fall-run chinook salmon (C) (NMFS) Birds Coccyzus americanus occidentalis - Western yellow-billed cuckoo (C) Species of Concern Invertebrates Anthicus antiochensis - Antioch Dunes anthicid beetle (SC) Anthicus sacramento - Sacramento anthicid beetle (SC) rage l

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USFWS County Species List
     Cryptochia shasta - confusion caddisfly (SC)
    Ecclisomyia bilera - King's Creek ecclisomyian caddisfly (SC)
Linderiella occidentalis - California linderiella fairy shrimp (SC)
    Monadenia setosa - Trinity (=California) bristlesnail (CA)
     Monadenia troglodytes - Shasta sideband snail (5C)
     Nebria gebleri siskiyouensis - Siskiyou ground beetle (SC)
    Nebria sahlbergii triad - Trinity Alps ground beetle (SC)
Parapsyche extensa - King's Creek parapsyche caddisfly (SC)
    Rhyacophila lineata - Castle Crags rhyacophilan caddisfly (SC)
     Rhyacophila mosana - bilobed rhyacophilan caddisfly (SC)
Fish
     Cottus asperrimus - rough sculpin (CA)
    Lampetra ayresi - river lamprey (SC)
Lavinia symmetricus mitrulus - Pit roach (SC)
Oncorhynchus (=Salmo) mykiss ssp. - McCloud River redband trout (SC)
    Spirinchus thaleighthys - longfin smelt (SC)
Amphibians
    Ascaphus truei – tailed frog (SC)
    Hydromantes shastae - Shasta salamander (CA)
    Rana boylii - foothill yellow-legged frog (SC)
    Rana cascadae - Cascades frog (SC)
Spea hammondii - Western spadefoot toad (SC)
Reptiles
    Clemmys marmorata marmorata - northwestern pond turtle (SC)
    Phrynosoma coronatum frontale - California horned lizard (SC)
Birds.
    Accipiter gentilis - northern goshawk (SC)
    Agelaius tricolor - tricolored blackbird (SC)
    Amphispiza belli belli - Bell's sage sparrow (SC)
    Athene cunicularia hypugaea - western burrowing owl (SC)
Baeolophus inornatus - oak titmouse (SLC)
Botaurus lentiginosus - American bittern (SC)
Branta canadensis leucopareia - Aleutian Canada goose (D)
    Buteo regalis - ferruginous hawk (SC)
    Carduelis lawrencei - Lawrence's goldfinch (SC)
Chaetura vauxi - Vaux's swift (SC)
Contopus cooperi - olive-sided flycatcher (SC)
    Cypseloides niger - black swift (SC)
Empidonax traillií brewsteri - little willow flycatcher (CA)
    Falco peregrinus anatum - American peregrine falcon (D)
    Grus canadensis tabida - greater sandhill crane (CA)
Lanius ludovicianus - loggerhead shrike (SC)
Melanerpes lewis - Lewis' woodpecker (SC)
   Numerius americanus - long-billed curlew (sc)
Otus flammeolus - flammulated owl (sc)
Picoides nuttallii - Nuttall's woodpecker (SLC)
Plegadis chihi - white-faced ibis (SC)
Riparia riparia - bank swallow (CA)
    Selasphorus rufus - rufous hummingbird (SC)
    Sphyrapicus ruber - red-breasted sapsucker (SC)
Strix occidentalis occidentalis - California spotted owl (SC)
    Toxostoma redivivum - California thrasher (SC)
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USFWS County Species List
   Brachylagus idahoensis - pygmy rabbit (SC)
   Corynorhinus (=Plecatus) townsendii pallescens - pale Townsend's
big-eared bat (SC)
    Corynorhinus (=Plecotus) townsendii townsendii - Pacific western
big-eared bat (SC)
    Euderma maculatum - spotted bat (SC)
   Gulo gulo luteus - California wolverine (CA)
    Lepus americanus tahoensis - Sierra Nevada snowshoe hare (SC)
   Martes americana - American (=pine) marten (SC)
Martes pennanti - fisher (SC)
   Myotis ciliolabrum - small-footed myotis bat (SC)
   Myotis evotis - long-eared myotis bat (SC)
Myotis thysanodes - fringed myotis bat (SC)
Myotis volans - long-legged myotis bat (SC)
   Myotis yumanensis - Yuma myotis bat (SC)
   Perognathus inornatus - San Joaquin pocket mouse (SC)
Vulpes vulpes necator - Sierra Nevada red fox (CA)
Plants
   Agrostis hendersonii - Henderson's bent grass (SC)
   Amsinckia lunaris - bent-flowered fiddleneck ($LC)
   Arctostaphylos klamathensis - Klamath manzanita (SC)
Astragalus pulsiferae var. suksdorfii - Suksdorf's milk-vetch (SC)
   calochortus longebarbatus var. longebarbatus - long-haired star-tulip
   Calochortus syntrophus - Callahan's mariposa lily (SC)
   calystegia atriplicifolia ssp. buttensis - Butte County morning-glory
   Campanula wilkinsiana - wilkin's harebell (SC)
   clarkia horealis ssp. arida - arid northern clarkia (SC)
   Cryptantha crimita - silky cryptantha (SC)
   Cypripedium fasciculatum - clustered lady's-slipper (SC)
   Epilobium oreganum - Grants Pass willowherb (SC)
Eriogonum libertini - Dubakella Mountain buckwheat (SLC)
   Fritillaria eastwoodiae - Butte fritillary (SC)
   Gratipla heterosepala - Boggs Lake hedge-hyssop (CA)
   Iliamna bakeri - Baker's globe mallow (=Baker's wild hollyhock) (SLC)
Legenere limosa - legenere (SC)

Lewisia cantelowii - Cantelow's lewisia (SC)

Lewisia cotyledon var. howellii - Howell's lewisia (SC)

Limnanthes floccosa ssp. bellingeriana - Bellinger's meadowfoam (SC)

Madia stebbinsii (=Harmonia stebbinssii) - Stebbins's madia

(=Stebbins's harmonia) (SC)

Minumetia decumbers - The Lassics sandwort (SC)
   Minuartia decumbens - The Lassics sandwort (SC)
   Neviusia cliftonii - Shasta snow wreath (SC)
   Paronychia ahartii - Ahart's whitlow-wort (=Ahart's paronychia) (SC)
   Penstemon filiformis - thread-leaved penstemon (=beardtongue) (SLC)
   Phacelia dalesiana - Trinity (Scott Mountain) phacelia (SC)
   Pogogyne floribunda - propuse-flowering (=Devil's Garden) pogogyne (SC)
   Puccinellia howellii - Howell's alkali grass (SC)
   Sagittaria sanfordii - valley sagittaria (=Sanford's arrowhead) (SC)
   Sedum paradisum · Canyon Creek stonecrop (SC)
   Silene campanulata ssp. campanulata - Red Mountain catchfly (=campioπ)
   Silene occidentalis ssp. longistipitata - Butte County catchfly
(=long-stiped campion) (SC)
   Smelowskia ovalis ssp. congesta - Mt. Lassen («Lassen Peak) smelowskia
(SC)
   Streptanthus sp. nov. /ined. (Shasta Co.) - Pit River jewelflower (SC)
   Thelypodium howellii ssp howellii - Howell's thelypodium (SLC)
   Trillium ovatum ssp. oettingeri - Salmon Mountains wakerobin (SLC)
                                        Page 3
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species with Critical Habitat Proposed or Designated in this County

Central Valley fall/late fall-run chinook (C) northern spotted owl (T) vernal pool invertebrates (PX) vernal pool plants (PX) winter-run chinook salmon (E)

#### Kev:

(E) Endangered - Listed (in the Federal Register) as being in danger of extinction.

(T) Threatened - Listed as likely to become endangered within the foreseeable future,

(P) Proposed - Officially proposed (in the Federal Register) for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the National Marine Fisheries

Service. Consult with them directly about these species.
Critical Habitat - Area essential to the conservation of a species.

(PX) Proposed Critical Habitat - The species is already listed. Critical habitat is being proposed for it. (C) Candidate - Candidate to become a proposed species.

(CA) Listed by the State of California but not by the Fish & Wildlife Service.

(b) Delisted - Species will be monitored for 5 years.
(SC) Species of Concern/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish & Wildlife Office.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area and also ones that may be affected by projects in the area. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the sonsides we want need to consider when they do include all of the species we want people to consider when they do something that affects the environment.

This is not an official list for formal consultation under the Endangered Species Act. However, it may be used to update official lists.

If you have a project that may affect endangered species, please contact the Endangered Species Division, Sacramento Fish and wildlife Office, U.S. Fish and Wildlife Service.

# ATTACHMENT A

# Endangered and Threatened Species that May Occur in or be Affected by PROJECTS IN SHASTA COUNTY Reference File No. 00-SP-2414

July 18, 2000

Listed Species
Birds
Aloutian Cenada goose, Branta canadensis leucopareia (T) bald eagle, Haliaeetus laucocephalus (T) Critical habitat, northem spotted owt, Strix occidentalis caurina (T)
northern spotted owl. Strix occidentalis cauring (17) Amphibians
California (ed-legged (rog, Raire aurora draytonii (T) Fish
Critical habital, winter-run chincok salmon, Oncorhynchus tshawytscha (E) vinter-run chincok salmon, Oncorhynchus tshawytscha (E) delta smell, Hypomesus transpacificus (T) Central Valley steethead, Oncorhynchus mykiss (T) Central Valley spring-run chinook salmon, Oncorhynchus tshawytscha (T) Sacramento sptitali, Pogonichthys macrolopidotus (T) Invertabrates
vernal pool tadpole shrimp, Lepidurus packardi (E) Shasta creylish, Pacifastacus fortis (E) vernal pool (airy shrimp, Branchinecta tynchi (T) valley ekisrbeny longhom beatle, Desmocerus californicus dimorphus (T) Plants
Greene's tuctoria, Tuctoria greenei (E) siender Orcult grass, Orcultia tenuis (T) Proposed Species
Fish
Critical Habitat, Central Valley spring-run chinook, Oncorhynohus Ishawytscha (PX) Candidate Species
Fish
McCloud River redband trout, Oncorhynchus (=Salmo) mykiss ssp. (C) Klamath Mts. Province steelhead, Oncorhynchus mykiss (C) Central Valley fall/late fall-run chinook salmon, Oncorhynchus tshawyischa (C) Species of Concern
Marmmala
California wolverine. Guio guio luteus. (GA)

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pygrny rabbit, firachylagus idahoangis (SC).
    nale Townsend's big-eared bat, Corynortifius (=Plecolus) (ownsendii palleccons (SC)
    Pacific western big-eared bal, Corynorhinus (#Plecolus) townsendii lownsondii (SC)
    spotted bat, Euderma macutatum (SC).
    Sierra Nevada snovishoc hare, Lapus amoricanus lahoensis (SC).
    American (apine) marten, Martes americana (SC).
    Pacific fisher, Martes ponnenti pacifico (SC)
    smalt-footed myolis bat, Myolis ciliolabrum (SC)
    long-cared myotis bal, Myolis evotis (SC)
    fringed myods bat, Myotis thysanodes (SC).
    long-legged myotis bat, Myotis volans (SC)
    Yuma myotis bat, Myotis yumanensis (SC)
    San Joaquin pocket mouse, Perognathus incrnetus (SC).
Birds
   titlle willow flycatcher, Empidonax traffii brewsteri (CA)
   greater sandhill crane, Grus canadensis tabida. (CA).
   bank swallow, Riparia riporia (CA)
   American peregrine falcon, Falco poregrinus anotum (D).
   Black-Crowned Night Heron, Nychborax nychborax (MB)
   northern goshawk, Accipiter gentitis (SC).
   tricolored blackbird, Ageloius tricolor (SC)
   grasshopper sparrow, Anvinodramus savannarum (SC)
   Bell's sage sparrow, Amphisoiza bolli bolli (SC).
   short-eared owl, Asio flammous (SC)
  western burrowing owl. Athene curricularia hypugaa. (SC).
  American bittem, Bolaurus lantiginosus (SC)
  ferruginous hawk, Buteo regalis (SC)
  Lawrence's goldfinch, Carduells lawrencel (SC)
  Vaux's swift, Checture vaux! (SC)
  black tem, Childonies niger (SC)
  lark sparrow, Chondestes grammacus (SC)
  olive-sided flycatcher, Contopus cooperf (SC)
  black swift, Cypseloidos niger (SC)
  hermit warbier, Dendroice occidentalis (SC)
  common toon, Gavis immer (SC).
  loggerhead shrike, Lanius Iudovicianus (SC).
  Lewis' woodpecker, Melanerpes lewis (SC)
  long-billed curiew. Numerius americanus (SC)
  white-faced bis, Plegadis child (SC)
  rutous hummingbird, Selasphorus rulus (SC).
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red-breasted sapsticker, Sphyrapicus rubor (SC).
     Brewer's sparrow, Spixella browoti (SC)
     California spotted owl. Strix occidentalis occidentalis (SC)
     Bewick's wren, Thryomanus bewickii (SC)
 Replifes
     northwestern pond turtle, Clarriny's marmorata marmorata (SC).
     California homed lizerd, Phrynosoma coronatum frontale (SC)
 Amphibians
     Shasia salamender, Hydromantes shasiae (CA)
     talled frog. Ascaphus trust (SC)
     (schill yellow-legged frog, Rana boyll (SC)
    Cascades (rog. Rana cascadae (SC)
    western spadefoot toad, Scaphlopus hammondii (SC)
Fish
    rough scutpin, Cottus aspertimus (CA).
    green sturgeon, Acipensor modirostris (SC)
    river lamprey, Lampotra ayrosi (SC)
    Pit roach, Lavinia symmetricus mitrulus (SC)
    longfin smell, Spirinchus fhaleichthys (SC)
Invertebrates
    Trinity (=California) brisilesnali, Monadonia setosa (CA)
    Antioch Dunes anthicld beetle, Anthicus antiochensis (SC)
    Sacramento enthicid beetle, Anthious secramento (SC)
    confusion caddisfly, Cryptochia shasta (SC).
    King's Creek acclisomylan caddisfly, Ecolisomyla bitera (SC)
    California linderiella falty strimp, Linderiella occidentalis (SC)
    Shasta sideband shail, Monadenia troglodytas (SC)
    Siskiyou ground beetle, Nebria gebieri siskiyouensis (SC).
   Trivity Alps ground beetle, Nebria set/bargii triad (SC).
    King's Creak parapsyche caddisfly, Parapsyche extensa (SC).
   Castic Crags rhyacophilan caddisfly, Rhyacophila lineale (SC)
   billobed rhyacophilan caddisfly, Rhyacophila mosane (SC)
Plants
    Klamath manzenita, Arctoslaphylos klamathansis (SC).
   Suksdorf's mijk-velch, Astragalus pulsiferae var. suksdorfii (SC).
   long-haired star-tulip, Calochortus longebarbatus var. longebarbatus (SC)
   Wildes' harebet, Cempanula willunsiana (SC)
   arid northern ctarkta, Clarkta borealis ssp. orida (SC)
   sliky cryptantha, Cryptantha chiila (SC)
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#### Reference File No. 00 SP-2414

clustered tady's-slipper, Cypripedium fasciculatum (SC)

Oregon fireweed, Epllobium oreganum (SC)

Butte Intiliary, Fritiliarie eastwoodiee (SC)

Howelf's lewisia, Lawisia colyladon var, howellii (SC)

Bellinger's meadow/oam, Limnanthas floccosa ssp. bellingeriana (SC)

Stobbins' madia, Modia stabbinsii (SC)

The Lessics sandwort, Minuartia decumbons (SC)

Ahart's whitlow-worl, Paronychia ahartii (SC)

thread-leaved pensterion, Pensterion filliomis (SC)

Trinity (Scott Mountain) phacetia, Phacetia datesiana (SC)

Devil's Garden pogogyna, Pogogyna floribunda (SC).

Howell's alkeli grass, Pucchettle howellii (SC)

valley segittaria, Segitlaria senfordii (SC)

Canyon Crock stonecrop, Sedum paradisum (SC)

Butte County (western) catchily, Silene occidentalis ssp. longistipitata (SC).

Mt. Lessen smelowskia, Smolowskia ovalis ssp. congesta (SC).

Pit River jewelflower, Streplanthus sp. nov. Ined. (Shasta Co.) (SC)

#### KEY:

(E) Endangered Listed (in the Federal Register) as being in danger of extinction.

(f) Threelened Listed as likely to become endangered within the foreseeable future.

(P) Proposed Officially proposed (In the Federal Register) for fisting as and angered or threatene.

(PX) Proposed Proposed as an area essential to the conservation of the species.

Critical Habitat

(C) Candidate Candidate to become a proposed species,

(SC) Species of Other species of concern to the Service.

Concern.

(D) Delisted Delisted, Status to be mankered for 5 years.

(CA) State-Listed Listed as threatened or endangered by the State of California.

Extirpated Possibly extirpated from the area.

\*\* Extinct Possibly extinct

Critical Habitat Area essential to the conservation of a species.

Appendix E

Technical Memorandum-Economic Analysis (October 2000)

This submittal presents the results of an Economic Analysis of the application to the PEIS Preferred Alternative of the November 1999 unit rates for CVP water and Tiered Pricing Proposal.

The PEIS Preferred Alternative included assumptions for the tiered pricing of CVP water that were developed during the preparation of the Draft PEIS. Subsequent to completion of the Final PEIS, a different tiered pricing proposal was developed. In addition, the PEIS assumed 1992 CVP water rates. This analysis includes the 1999 water rates. This submittal applies the new water rates and the November 1999 proposal to the Preferred Alternative and compares the results to the impact analysis of the PEIS Preferred Alternative. The level of detail presented in this submittal is consistent with the level of detail presented in the main PEIS document and the technical appendices. Tables are presented in the same format as used in the PEIS.

The economic analysis includes an evaluation of agricultural economics using Central Valley Production Model (CVPM), municipal and industrial water use economics for CVP water using the spreadsheet presented with the PEIS, and regional economics using IMPLAN. This memorandum discusses the new assumptions in the November 1999 proposal. However, this memorandum does not discuss the basic assumptions used in the PEIS models and analytical tools. This memorandum must be used in conjunction with the Draft PEIS and Final PEIS, including the methodology and modeling technical appendices, to explain the overall assumptions for evaluating the Preferred Alternative in the PEIS.

For the Agricultural Land Use and Economics analysis, the methodology used for applying CVP water rates was modified to allow for the new fiered pricing and the use of blended rates to determine a total water rate for all CVP water applied by an irrigation district or agency. These changes result in changes in water use due to the affordability of CVP water supplies, not a change in reliability.

For the Municipal and Industrial Water Use Economics analysis, blended rates had been used in the PEIS analysis. In addition, this analysis assumes that the municipal and industrial users will be able to afford the calculated water costs, as described in the PEIS. Therefore, CVP water deliveries do not change for the municipal and industrial analysis. The Regional Economics analysis reflects only changes to agricultural and municipal and industrial sectors, but not recreation sectors.

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Section 3

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AGRICULTURAL LAND USE AND ECON	IOMICS

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## AGRICULTURAL LAND USE AND ECONOMICS

87.

# CONTRACT RENEWAL PROPOSAL WITH BLENDED WATER RATES

In the November 1999 proposal, Reclamation has proposed that water sold to CVP water service contractors be sold according to tiered water rates as required by CVPIA section 3404. Reclamation has also proposed that two categories of water be identified. Category I water would be calculated as the average delivery of the previous five years, and would be split into three tiers according to the 80-10-10 quantities defined in the CVPIA. Category 2 water would be any water available in excess of the 5-year rolling average, up to the total contract amount as defined by the Needs Analysis.

Tier I water rates include the cost-of-service component and any applicable Restoration charges and surcharges. Both the Restoration Charge and the capital component of the cost-of-service rate are subject to ability-to-pay limits. These limits are in effect for Hella Vista WD and Clear Creek CSD, contractors on the Coming and Tchama-Colusa Canals, and contractors receiving water from New Melones.

Tier 3 water rates include the full-cost rate (as defined in the Reclamation Reform Act) and any applicable Restoration Charges. No ability-to-pay relief is provided in this Tier. The Tier 2 water rate is the average of the applicable Tier 1 and Tier 3 rates. Category 2 water has the same rate as Tier 3.

For this proposal, it is assumed that water conservation guidelines allow contractors to blend the rate of CVP water delivered in any tier or Category, and that they do blend the rates. This is different from the assumption used to assess alternatives in the PEIS, in which contractors were assumed to sell CVP water to growers at tiered rates. Differences between PEIS pricing assumptions and this analysis are:

- This analysis assumes that contractors blend the price of all CVP water received at ticred rates into a single rate. Tiered rates to growers are assumed in the PEIS.
- The project water portion of Sacramento River water rights settlement contracts are not subject to the new pricing policy in this analysis. In the PEIS it was assured that it was subject to fiered rates.
- Rates are based on the Irrigation Water Rates spreadsheets provided by Reclamation in November 1999. PEIS rates used the 1994 Irrigation Water Rates manual.
- Ability-to-pay relief is incorporated using the current payment capacity studies for Shasta County irrigation contractors, Coming Canal contractors, Tehama Colusa Canal contractors, and New Melones contractors. In the PBIS, payment capacity was based on a 1992 regional study (PEIS, 1999).

- In this analysis, ability to pay relief is provided in Tier 1, with none in Tier 3 Tier 2 is the average of Tiers 1 and 3, and so provides 50% relief. In the PEIS, the
  same dollar amount of ability to pay relief is applied in all pricing tiers.
- A \$7.00 per acre-foot Restoration Charge is assumed in this analysis. A \$6.50 per acre-foot charge was used in the PEIS. The Friant surcharge was \$7.00 per acrefoot in both studies.
- There is no lower bound on the usage of CVP water. In the PEIS each subregion
  was restricted to using at least the Tier 1 quantity of CVP supplies.

# METHODOLÓGY

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Other than the differences listed above, the modeling approach and underlying data were the same as used for the PEIS. The Central Valley Production Model (CVPM) was used in this analysis, with modifications needed to assess the specific water pricing conditions proposed. Table 1 shows the regions of the CVPM and the corresponding service areas. Groundwater hydrology was not assessed as it was in the PEIS alternatives. Therefore, for purposes of analysis, most regions were assumed to have access to replacement groundwater if needed. Based on groundwater hydrology as described in the PEIS, the following subregions are assumed to be unable to replace any CVP water with groundwater on a long term basis: Shasta County irrigation contractors (subregion 1), Corning Capal contractors (subregion 2), and the Tehama-Colusa service area (subregion 3B).

Water deliveries from the CVPIA Preferred Alternative were used (Reclamation CVPIA PEIS, 1999). These deliveries were allocated on a yearly basis into pricing tiers and categories according to the rules described above. Weighted average (i.e., blended) prices were calculated for each year, with quantities in each tier and category based on the previous five years of delivery. In any given year, the quantity and blended price of water depends on the 6-year sequence leading up to and including the current year. Throughout this report the following conventions are use: an Average rear represents the average 1922-1990 water delivery from the CVPIA Preferred Alternative (Reclamation CVPIA PEIS, 1999); a Wet year represents the average delivery for the period of 1967-1971 from the CVPIA Preferred Alternative; and a Dry year is the average 1928-1934 delivery from The CVPIA Preferred Alternative.

A total of nine water supply sequences are assessed in this analysis and compared to the CVPIA. Preferred Alternative:

Average-Average: An average water year following a 5-year sequence of average years.

Wet-Average: An average water year following a 5-year sequence of wet years.

Dry-Average: An average water year following a 5-year sequence of dry years.

Average-Wet: A wet water year following a 5-year sequence of average years.

Wet-Wet: A wet water year following a 5-year sequence of wet years.

Dry-Wet: A wet water year following a 5-year sequence of dry years.

Average-Dry: A dry water year following a 5-year sequence of average years.

Wet-Dry: A dry water year following a 5-year sequence of wet years.

Dry-Dry: A dry water year following a 5-year sequence of dry years.

The CVP water rates used for each of the nine sequences described above and the CVPIA Preferred Alternative tiered prices are shown in Table 3. Tables 4-12 show the available CVP water service contract supplies by tier and the blended price for each of the 22 subregions under the nine sequences proposed for the Long-Term Contract Renewal analysis.

Results are shown for each of the nine sequences presented as differences compared to the CVPIA Preferred Alternative. When calculating differences from the CVPIA Preferred Alternative, sequences ending in an Average, Wet and Dry years are compared to the Average, Wet and Dry year CVPIA Preferred Alternative results respectively.

# **IRRIGATED ACRES**

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Changes in irrigated acres from the Preferred Alternative are summarized by region in Table 13. A complete list of changes by erop and subregion is provided as Table 17.

Both the Average-Average and Wet-Average scenarios show little difference from the Preferred Alternative under the Average hydrology conditions. The Dry-Average sequence shows a larger reduction in irrigated acres almost all of which comes from the Sacramento River region. Compared to the Wet year Preferred Alternative results, there is a similar pattern for the three Long-Term Contract Renewal sequences ending with Wet years. For all three of the Long Term Contract Renewal Sequences ending in a dry year there minimal increases in irrigated acreage compared to the Dry year CPVIA Preferred Alternative results. Irrigated acres remain unchanged under all nine sequences in the San Felipe Division.

The reduction in acreage in Average and Wet years preceded by a series of Dry years is a result of higher CVP water costs. Since the quantity of Category I water is based on the average deliveries of the preceding five years, the quantity of water eligible for Category I classification shrinks when a sustained drought is experienced. In an average or wet year follows a drought period, water becomes available however a large portion is classified as Category 2 and is priced at the full cost rate. This can be seen in Tables 6 and 9. When this relatively large block of full cost water is incorporated into the blended water price, all CVP supplies become more expensive, and sometimes unaffordable. This result is not seen in the dry-dry sequence because there is not excess water that gets classified as Category 2.

# **GROSS AND NET REVENUE**

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Gross revenue (value of production) impacts follow acreage impacts quite closely, and are shown by region in Table 14. Compared to the Average Preferred Alternative, a small reduction of less than \$1 million is estimated for the Average-Average and Wet-Average scenarios, and a \$39 million reduction is estimated in Dry-Average scenario. Gross revenue also declines compared to the Wet Preferred Alternative with approximately \$5 million reductions in Average and Wet years and a larger reduction of \$29 million in the Dry-Wet scenario. In dry years preceded by all three hydrologic conditions, gross revenue is slightly higher when compared to the Preferred Alternative Dry year results. There were no changes in gross revenue for the San Felipe Division since there were no changes in irrigated acres compared to the CVPIA preferred Alternative. A complete list of changes in gross revenue by crop and subregion is provided as Table 18.

Net revenue impacts are separated into five components; Fallowed land, Groundwater pumping costs, Irrigation Costs, CVP water costs and higher crop prices. The CVP water cost component represents the impact to net revenue from changes in both the quantity of CVP water used and the price of CVP water. Therefore when the blended CVP water price increases, farmers frequently use less, and the net impact to the CVP water cost component can be positive even when the water price is higher. Table 15 summarizes the net income impacts by component. A negative entry in the table indicates a reduction in net revenue. A complete list of changes in net income by component for each subregion is provided as Table 19.

Relatively small net income impacts are seen in all water supply sequences at the State level. The Average-Average sequence compared to the Average year Preferred Alternative shows a decline of \$2 million in net revenue for all of California. The Wet-Average scenario is estimated to have a net increase of approximately \$4 million and the Dry-Average sequence a decrease of \$12 million.

The net revenue impact in wet years relative to the Preferred Alternative wet results show a pattern similar to the Average year results. Dry years preceded by a series of Average and Wet years both show net decrease in revenue of about \$12 million while the Dry-Dry sequence results in a \$15 million decrease in State wide net revenue relative the Preferred Alternative Dry results.

Notice that following a series of dry years, the net revenue component associated with crop prices often results in a positive impact to net revenue. This occurs because some subregions are forced to reduce acreage because of higher blended CVP water prices, resulting in higher crop prices received for acreage that remains in production.

There is a negative impact to not revenue from irrigation costs in the Sacramento and San Joaquin River regions in each of the nine Long-Term Contract Renewal sequences. This impact is derived from the irrigation efficiency improvements induced by higher CVP water prices in the Average year sequences. The change in irrigation efficiency is carries through to the Wet and dry year sequences because they are short run analyses and irrigation technology is fixed in the short run. The increase in irrigation efficiency results in a reduction in the total water used in some subregions while irrigated acreage remains constant.

# WATER USE

Table 16 summarizes water use changes by region. A complete list of changes in CVP water use and groundwater use by subregion is provided as Table 20. Water supplies other than CVP project water and groundwater are unaffected and not shown. The San Joaquin River region and most of the sequences for the Sacramento River region show the typical response represented by a shift away from CVP supplies to groundwater as CVP water becomes more expensive under the new pricing schemes. The Tulare Lake region and the Sacramento River region during wet years proceeded by a series of Average and Wet years show what would be considered an atypical response.

In the Sacramento River region when five years of Wet and Average conditions are followed by a wet year, the model predicts that both groundwater and CVP water use will decline relative to the Preferred Alternative Wet condition. The decrease in groundwater use is mostly attributed to subregion 3b. In this subregion in a wet year coming out of a series of Average or Wet years the blended price is cheaper than the Preferred Alternative Tier 2 water cost as well as the cost of pumping groundwater. Therefore there is a shift away from groundwater to CVP supplies. In Average years preceded by Average or Wet years, the subregion is prevented from shifting to CVP because they are already using their full CVP supply.

In the Tulare Lake region there is a pottern of shifting from groundwater to CVP water that can be attributed to subregions 17. This subregion shifts because under the blended pricing scheme the CVP water becomes cheaper than pumping groundwater, therefore they maximize their CVP water use.

In average and wet years preceded by a series of dry years, there is a large decrease in CVP water use in both the Sacramento and San Joaquin River regions. This is driven by the relatively high cost of CVP supplies under these conditions. Since many subregions receive less water in dry years, or the water falls into the higher tiers and it becomes unaffordable, and the base from which the blended price tier quantities is calculated shrinks. This sets up a condition where when an Average or Wet year comes along, the additional water is classified as Category 2 and assessed the full cost price. The CVP blended price is a weighted average of all CVP supplies therefore the cost for all CVP water increases and the supplies often become unaffordable.

# **LOCALIZED IMPACTS**

Certain subregions are substantially affected by the proposed water pricing.

- The Tehama-Colusa service area is the most-affected region. Limited groundwater availability and very high full-cost price relative to the value of water in agricultural production result in almost 60,000 acres out of production in the Dry-Average sequence and substantially higher cost for lands remaining in production. This analysis shows a one-year snapshot. Because water pricing is based on historic delivery, a region (such as the Tehama-Colusa region) may never be able to "buy its way" back out from a drought. Looked at over a sequence of dry years such as 1928-34 or 1987-92, many or most of the districts in this area could not survive as CVP contractors.
- The analysis predicts that the Delta subregion will make a complete switch to
  groundwater supplies in all nine hydrologic sequences, assuming groundwater is
  available in all parts of the service area.
- The analysis estimates that the once an extended drought is experienced the Delta-Mendota service area would switch from its CVP water service supply to groundwater, assuming groundwater is available in all parts of the service area.
- Westlands Water District and many of the Friant Unit contractors would likely
  continue purchasing CVP water. Since these areas continue to purchase CVP
  supplies in all years coming out of drought conditions, they would eventually
  build their base deliveries up or "buy their way" back to pre-drought tier quantities
  and prices.

# TABLE 1 CVPM SUBREGIONS AND DESCRIPTIONS

CVPM	T :
Subregion	Description of Major Water Users
	CVP Users: Anderson Cottonwood, Clear Creek, Bella Vista, Sacramento River
1	miscellaneous users.
	CVP Users: Coming Canal, Kirkwood, Tehema, Sacramento River, miscellaneous
2	users.
	CVP Users: Glenn Colusa ID, Provident, Princeton Codora, Maxwell, and Colusa
3	Basin Drain MWC.
	Tehama Colusa Canal Service Area, CVP Users: Orland-Artois WD, most of County of
39	Colusa, Davis, Dunnigan, Glido Kanawha, La Grande, Westside WD.
	CVP Users: Princeton-Codora-Glenn, Colusa Irrigation Co., Meridian Farm WC.
	Peiger Mutual WC, Recl. Dist. 1004, Recl. Dist. 108, Robers Ditch, Sartain M.D.,
	Sutter MWC, Swinford Tract IC, Tisdale Irrigation, Sacramento River miscellaneous
4	users.
5	Most Feather River Region riparien and appropriative users.
	Yolo, Solano Counties, CVP Users: Conaway Ranch, Sacramento River miscellaneous
G	users.
)	
	Sacramento Co. north of American River, CVP Users; Natomas Central MWC,
7	Sacramento River miscellaneous users, Pheasant Grove-Verona, San Juan Suburban.
. 8	Sacramento Co. south of American River, San Joaquin Co.
Ð	Delta Regions, CVP Users: Banta Carbona, Wost Sido, Plainview.
l	
ı	Delta Mendota Canal, CVP Users: Pacheco, Del Puerto, Hospital, Sunflower, West
	Stanistaus, Mustang, Orestimba, Patterson, Foothili, San Luis WD, Broadview, Eagle
10	Field, Mercy Springs, Pool Exchange Contractors, Schedule II water rights, more.
<u> 11</u>	Stanislaus River water rights: Modesto ID, Oakdale ID, South San Joaquin ID.
12	Turlock ID.
	Merced ID, CVP Users: Madera, Chowchilla, Gravely Ford.
14	CVP Users: Westlands WD.
4-	Tulare Lake Bed. CVP Users: Fresno Slough, James, Tranquility, Traction Ranch,
15	Leguna, Real. Dist. 1606.
16	Eastern Fresno Co. GVP Users: Friant-Kern Canal, Fresno ID, Garfield, International.
17	CVP Users: Friant-Kern Canal, Hills Valley, Tri-Valley Orange Cove.
	CVP Users: Friant-Kern Canal, County of Fresno, Lower Tule River ID, Pixley ID.
	portion of Rag Gulch, Ducor, County of Tulare, most of Delano Eartimars, Exeter,
م ا	Ivanhoe, Lewis Gr., Lindmore, Lindsay-Strathmore, Porterville, Sausalito, Stone Cortal
18	Tea Pot Dome, Terra Bella, Tulare.
<u>19</u>	Kern Co. SWP Service Area.
20	CVP Users: Friant-Kern Canal, Shafter-Wasco, S. San Joaquin.
21	GVP Users: Cross Valley Canal, Friant-Kern Canal, Arvin Edison.

TARLEZ

CVP WATER RATES USED FOR LONG TERM CONTRACT RENEWAL ANALYSIS (\$)

CVPM	215	Tiered Water Bates	43		Propo	sed Blende	Proposed Blandad Water Rates, for Water Service Contracts	tes for Wa	ater Servic	Se Contrac	22	
5ubr¢gion	Used	Used for LTCR analysi	lysia	( obtusay)	Wet	, Vro	Average	Wet.	λio	Average	Wet	ργ
	Tier 1	Tier 2	Tier 3	Fallo	Followed by Average	oBe	Falk	owed by Wet	fet	Fol	Followed by Dry	Ž
-	12 01	37,56	63.32	19.67	14.98	14.10	23.91	19.67	18.20	25.19	21.09	19.67
c.	10,71	36.40	62.09	18.42	10.71	49.66	29.55	18.42	52.83	10.71	10.71	18.42
67	ΑN	42	7ªK		Z Z	4 Z	ž	ž	ΔZ	2	A.	2
88	10.25	40.73	71.24	19.39	10.25	58.15	32.35	19.83	61,42	10.25	10.25	19,33
7	4 Z	Ν̈́	ž	۲ ک	A.S.	Ϋ́Z	4 Z	ž	4	Ϋ́	Ž	Z
w	20.65	23.91	25.36	21.35	21.18	21.77	21.52	21,35	21.92	20.80	20.81	21.35
<u>.</u>	NA	ďΝ	ž	ž	Ą	ĄX	AN A	ď.	ź	ΑN	ž	ž
-  -	11.77	\$2.07	12.37	11.86	11.86	11.95	11.96	11,85	11.86	11.86	11.86	11.86
œ	10.00	27.46	44.02	15.24	10.00	30.38	25.82	15.24	35.47	10.00	10.00	15.24
an	24.79	55.14	85.50	33.89	24.79	\$4.53	\$5.27	33,89	73.22	24.73	24.79	33.89
5	31.15	40.15	49.18	33.85	31,15	42,94	38,01	33,85	44,63	31.15	31,15	33.85
Ξ	0.00	00'0	0.00	2	4N	Ϋ́Z	ď	¥N.	Ž	NA	Ž	ž
77	0.00	00.0	00:0	<b>4</b> 2	द्	ďΖ	Ž	ž	4	Ϋ́	ž	ž
5	32.16	38.41	44.65	34.04	33.25	37.44	8	통 통	37.94	32.16	32.16	8,8
¥	32.62	45.48	60.33	35.78	32.62	50.76	43.17	36.78	53.36	32.62	32,82	38,78
5	32.71	41.91	51.10	35.47	34.55	38.10	36.34	35.47	38.82	33.07	32.71	35.47
91	40,48	46,78	53.06	42 37	41.22	45,32	43.40	42.37	46.07	40.4B	40.48	42.37
4	34.18	40.49	46,79	36,37	35,15	39,28	36,92	36.07	39.88	34.18	34.18	36.07
18	33.63	40.48	47.33	35.89	8.73	39.16	38.57	35.69	39.78	32.63	33.63	35.69
19	34.58	42.16	49,73	36.66	88.00	41.21	38.84	36.86	42.52	34.58	34.58	36.86
22	34.58	42.16	49.73	36.86	35.70	40.85	37.92	35.85	41.58	\$4.58	34.58	36.85
5	32.70	39.00	45.31	34.59	32.98	39,01	36.33	34.59	40.03	32,70	32.70	34.59
NOTES												

1. Stended rates used pucing composents from the Nevember, 1999 integation Water Rates spreadsheets, Restoration Charge of \$7.00 [2. PEIS rates used regional estimates of payment capacity and allowed the same ATP relief in all items.

3. Blended rates use most recent evailable payment capacity studies from Reclamation, and allow ATP relief in Tier 1 but not in Tier 3, 4. Only Class 1 rates are shown for Friant Divison. Friant surcharge is \$7.00 in all rates.

TABLE 3

CVP WATER RATES USED IN PREFERRED ALTERNATIVE (\$)

CVPM [	Tiered Water Rates U	Water Rates Used in the PEIS Preferred Alternative (\$)					
Subregion	Tier 1	Tier 2	Tier 3				
1	5.91	14.63	23.35				
2	11.63	24.7	37.57				
3	2.83	5.27	7.71				
38	17.16	36,225	55.29				
4	5.32	7.625	9.93				
5	4.53	6.965	9.4				
6	4.53	6.82	9.11				
7	6.63	B.83	11.03				
В	4.53	7.095	9.66				
9	28.54	35.245	41.95				
10	33.46	40.015	46.57				
11	o	0	0				
' 12	o	0	o				
13	33.65	39.395	45.14				
14	39.31	54.385	69.46				
15	28.16	34.875	41.59				
16	38.25	44.255	50.26				
17	35. <b>58</b>	41,905	48.23				
18	35.01	41.255	47.5				
19	36.68	42.885	49.09				
20	36.68	42.885	49.09				
21	35.4	42.01	48.62				

# NOTES:

- PEIS rates used pricing components from the 1994 fragation Water Bales.
   Manual, Restoration Charge of \$6.50.
- 2. PEIS rates used regional estimales of payment capacity and allowed the same ATP retief in all tiers.
- 3. Only Class 1 rates are shown for Friant Division. Friant surcharge is \$7.00 in all rates.

TABLE 4

PROJECT WATER APPLIED BY PRICING TIERS
AVERAGE YEAR FOLLOWING AVERAGE 5-YEAR BASE CONDITION

CYPM Subregion	Tier 1	Tier 2	Tier 3	Category 2	Blended Price	
<u> </u> [		(10	00 AF)		(	(\$/AF)
1	9.4	1.2	1.2		\$	19.67
2	21,9	2.7	2,7		\$	18,42
3		-	-	-		NA
3B	159.7	20.0	20.0		\$	19.39
4		-	-			NA.
5	16.0	2.0	2.0		\$	21.35
6	. 1	, -	<u> </u>		i -	NA.
7	12.0	1,5	1.5	-	\$	11.86
8	41,3	5.2	5.2	-	\$	15,24
9	22.5	2.8	2.8	-	\$	33.89
10	231.4	28.9	28.9		\$	33.85
11		·	<u> </u>			
12	-	-	-	-		
13	153.6	19.2	19.2		\$	34,04
14	539.1	67.4	67.4		\$	36.78
15	32.3	4.0	4.0	-	\$	35.47
16	1B.9	2.4	2.4		\$	42.37
17	34.9	4.4	4.4	-	5	36.07
18	484.2	60.5	60.5		\$	35,69
19	13.1	1.6	1.6	-	Ş	36.86
20	194.2	24.3	24.3		\$	36. <b>8</b> 5
21	129.7	16.2	16.2	-	\$	34.59

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Table 5

PROJECT WATER APPLIED BY PRICING TIERS

AVERAGE YEAR FOLLOWING WET 5-YEAR BASE CONDITION

СУРМ	Tier 1	Tier 2	Tier 3	Category 2	Æ	lended
Subregion		le n	00 46			Price
<u> </u>			00 AF)		_	(\$/AF)
1	10.4	1.3	0.0		\$	14,98
2	27.3			•	\$	10,71
3	1		•	•		NA.
ЭВ	199.6			•	\$	10.25
4		•		•		NA
5	16.6	2.1	1.2	- "		21.18
6	- 1					NA
7	12.0	1,5	1,5	-	\$	11.86
8	51.6		-	-	\$	10.00
9	28.2	-	-	-	\$	24,79
10	289.2	-		٠	S	31.15
11	- 1	-	-	-		AM
12	-			•		NA
13	165.0	20.6	6.3	•	\$	33.25
14	673.8	-	-		\$	32.62
15	34.2	4.3	1.9	-	\$	94,55
16	21.0	2.6	0.1	•	\$	41.22
17	37.9	4.7	1.0	<u> </u>	\$	35.15
18	523.8	65,5	15.9	-	\$	94.73
19	15.5	0.9	-	-	\$	35.00
20	211,7	26.5	4.6	-	\$	35.70
21	154.9	7.2	-		\$	32.98

Table 6
PROJECT WATER APPLIED BY PRICING TIERS
AVERAGE YEAR FOLLOWING DRY 5-YEAR BASE CONDITION

CVPM Subregion	Tier 1	Tier 2	Tier 3	Category 2	Biended Price	
220.03.00		(10	00 AF)		ľ	(\$/AF)
1	10.8	1.0		-	5	14,14
. 2	6.2	0.8	0.8	19.6	\$	49.66
Э	- ]	-	-	-		NA
3B	40.2	5.0	5.0	149.3	\$	58.15
4	- 1	-	-			NA
5	14.3	1.8	1.8	2.1	\$	21.77
6	-			-		NA
I	12.0	1.5	1.5	<del>-</del>	\$	11.86
8	20.2	2.5	2.5	26.3	\$	30.36
9	9,2	1.1	1.1	16.7	\$	64.53
10	94.0	11.6	11.8	171.7	\$	42,94
11	٠, ١		-	-		NA
12	- 7	<del></del> -		•		NA
13	104.4	13,0	19.0	61.6	\$	37.44
14	219.1	27.4	27.4	400.0	Ş	<b>50.</b> 76
15	26.8	3.4	3.4	6.8	£	38.10
16	13.7	1.7	1.7	6.5	\$	45.32
17	24.5	3.1	3.1	13.1	Ş	39.28
18	339.7	42.5	42.5	180.G	\$	39.16
19	8.7	1.1	1.1	5.6	\$	41.21
20	133.9	16.7	16.7	75.3	Ş	40.85
. <u>. 2</u> 1[	76,2	9.5	9.5	<b>66.</b> 8	\$	39.01

Table 7

PROJECT WATER APPLIED BY PRICING TIERS
WET YEAR FOLLOWING AVERAGE 5-YEAR BASE CONDITION

CVPM Subregion	Tier 1	Tier 2	Tier 3	Category 2	E	Siended Price
		(10	00 AF)		Ĺ	(\$/AF)
1	9,4	1.2	1.2	1.3	\$	23.91
2	21.9	2.7	27	9.4	\$	29.55
3	-	-		•		NA
3B	159.7	20.0	20.0	66.6	\$	32.35
4		-				NA
5	16.0	2.D	2.0	0.9	\$	21.52
6	· .			-		NÄ
γ	12.0	1.5	1,5	-	\$	11,86
8	41.3	5.2	5.2	27.8	\$	25.64
9	22.5	2.8	2.8	19.9	\$	55.27
10	231,4	28.9	28.9	107.B	\$	38.01
11	<u> </u>	-	-		1	NA
12	•	, '		•		NA
13	153.6	19.2	192	14.3	\$	34.77
14	599.1	67.4	67.4	251.2	5	43.17
15	32.3	4.0	4.0	2.4	Ş	36.34
16	18.9	2.4	2.4	2.5	ı	43.40
17	34.9	4.4	4,4	Э.В	4	36.92
18	484.2	60.5	60.5	49.6	\$	36.57
19	13.1	1.6	1.5	3.0	ĺω	38.84
20	194.2	24.3	24.3	21.9	\$	37.92
21	129.7	16.2	16.2	31.5	\$	36.33



PROJECT WATER BY PRICING TIERS
WET YEAR FOLLOWING WET 5-YEAR BASE CONDITION

Table 8

CYPM Subregion	Tier 1	Tler 2	Tier 3	Category 2	E	llended Price
		(10	00 AF)		1	(5/AF)
1	10.4	1,3	1.3		Ş	19.67
2	29.4	3.7	3.7	-	\$	18,42
_ 3	-	-	•	-		NA
39	212.9	26.6	26.6	-	\$	19.39
- 4	4 N	NA				
5	16.6	2.1	2.1		\$	21.35
6	-	-	-	-		NA
7	12.0	1.5	1.5	-	\$	11.86
8 - 9 -	63.5	7.9	7.9	-	\$	15,24
· · · ·	39.5	4.8	B.h	-	\$	33.89
10	317.6	39.7	39.7		5	33.85
11	-		-			NA
12	-	-	-	-		NA
13	165.0	20.6	20.6	-	S	34.04
14	740.0	92.5	92.5		\$	36.78
15	34.2	4.3	4.3	<u>-</u>	1.2	35.47
10	21.0	2.6	2.6	-	\$	<b>4</b> 2.97
17	37.9	4.7	4.7	-	\$	<b>3</b> 6.07 ·
18	523.8	65.5	65.5		\$	35,69
19	15.5	1.9	1.9	-	\$	36.86
20	211.7	26.5	26.5	-	\$	36.86
21	154.9	19.4	19.4	·	\$	34.59

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PROJECT WATER APPLIED BY PRICING TIERS
WET YEAR FOLLOWING DRY 5-YEAR BASE CONDITION

Table 9

CVPM Subregion	Tier 1	Tier 2	Tier 3	Category 2	E	Blended Price
Caerogion		(10	00 AF)		1	(\$/AF)
1	10.B	1.3	0.9	•	\$	18.20
2	6.2	0.6	0.8	28.9	\$	52.83
3	-	-	-			NA
3B	40.2	5.0	5.0	215.9	\$	61.42
4	-	-	-			NA
5	14.3	1.B	1.B	2.9	\$	21.92
6	-		•			NA
7	12.0	1.5	1.5		\$	11.85
В	20.2	2.5	2.5	54.1	\$	35.47
9	9.2	1.1	1.1	36.7	5	79.22
10	94,0	11.8	11.8	279.5	5	44,63
11	-	-	-	-		NA
12		-				NA
13	104.4	13.0 (	13.0	75. <b>9</b>	\$	37.94
14	219.1	27.4	27.4	651.1	\$	53.36
15	26.8	3,4	3,4	9,1	\$	38.62
16	13,7	1.7	1.7	9.1	\$	46.07
17	24.5	3.1	3.1	16.8	\$	39.88
18	339.7	42.5	42.5	290.2	\$	39.78
19	8.7	1,1	1.1	<b>9</b> .5	\$	42.52
20	133.9	16.7	16.7	97.2	\$	41.58
21	76.2	9.5	9.5	98.3	\$	40.03

## PROJECT WATER APPLIED BY PRICING TIERS DRY YEAR FOLLOWING AVERAGE 5-YEAR BASE CONDITION

CVPM Subregion	Tier 1	Tier 2	Tier 3	Category 2	_ [_ŧ	Rended Price
		(10	60 AF)			(\$/AF)
	9.4	1.2	1,2	1.7	\$	25,19
2	7.8	-	-	-	\$	10,71
3	-	-		-		NA
35	50.3	-		-	ø,	10.25
4	<u>.                                      </u>	-	-			NA
5	16.0	1.9			\$	20.90
- 6			•			NA
7	12.0	1.5	1.5		\$	11.86
£	25.3				5	10.00
9	11,5	-	-	-	\$	24,79
10	117.5	-	-		\$	31.15
11	•	-		•		NA
12		<u>-</u>	į. 	-		NA I
13	130.4	-	-	-	\$	32.16
14	273.9	-	-	-	\$	32.62
15	32.3	1.3			\$	33.07
16	17.1	-	-	-	\$	40.48
17	30.6	-	-	-	\$	34.18
16	424.5		-	,	ı,	33.53
19	10.9				\$	34.58
20	167.4	-	-	-	\$	34.58
21	95.3	-	-	-	\$	32.70

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Table 11

PROJECT WATER APPLIED BY PRICING TIERS
DRY YEAR FOLLOWING WET S-YEAR BASE CONDITION

CVPM Subregion	Tier 1	Tior 2	Tier 3	Category 2	E	Nonded Price
		(10	00 AF)			(\$/AF)
1	10.4	1.3	1.3	0.4	\$	21.09
2	7.8	-			\$	10.71
3			-	- ····· -		NA
3B	50.3	•	_	-	5	10.25
4	,	١.	-	-		NA.
5	16.6	12	-	•	\$	20.81
6		-	-	-	L	NA j
7	12.0	1.5	1.5	-	\$	11.66
8	25,3	-			4	10.00
9	11.5	•	•	١ .	Š	24.79
10	117.5	-		1	5	31.15
71				ı		NA
12		ı	-			NA
13	130.4	ı	-		\$	32.16
14	273.9	ı		•	\$	32.62
15	33.6		-	1	\$	32.71
16	17.1		-	-	\$	40,48
17	30.6	ı			\$	34.18
18	424.6	•	•	,	\$	33.63
19	10.9		-	-	\$	34.58
20	167.4	•	-		\$	34.58
21	95.3	-	,	_	\$	32.70

Table 12

PROJECT WATER BY PRICING TIERS
DRY YEAR FOLLOWING DRY 5-YEAR BASE CONDITION

CYPM Subregion	Tier 1	Tier 2	Tier 3	Category 2	В	lended Price
		(10	00 AF)		1	(\$/AF)
1	10.8	1.3	1.3		\$	19,67
2	6.2	0.8	0.8		\$	18.42
3	-	- 1	-	•		NA
3B	40.2	5.0	5,0	•	\$	19,39
4	- ]	-	-	•		ΑN
5	14.3	1.8	1.8		\$	21.35
6	- ]	-	-			NA
7	12.0	1.5	1.5		\$	11.86
8	20.2	2.5	2.5	,	\$	15.24
9	9.2	1.1	1.5	-	\$	33.89
10	94.0	11.8	11.8	-	\$	33,85
11	]			-		NA
12	- 1	-	,			NA.
13	104,4	13.0	13.0		\$	34.04
14	219.1	27,4	27,4	-	5	36.78
15	26.8	3.4	3.4	-	\$	35.47
16	13.71	1.7	1.7		S	42.37
17	24.5	3.1	3.1	ı	\$	36.07
16	339.7	42.5	42.5		\$	<b>35</b> .69
19	87	1.1	1.1		[ `\$	36.86
20	133.9	16,7	16.7		5	36.86
21 - 1	76.2	9.5	9.6	-	\$	34.59

TABLE 13

IRRIGATED ACRES BY SUBREGION (100) ACRES)

	ADDIANY	Chang	a Compan	E to	Vet	Chang	to Comport	e) pe	ç	Chan	e Compere	- P
CVPA	Professed	Average	Wet	ρτγ	Preferred	Average	Wet	Dry	Preferred	Average	Wel _	Çığ
Subregion	Atternative	roller	OUR DY AVE	1691	Alternative	101	W YO DOWO	#t	Alternative	joj	owad by Dr	-
Sacramento Pilver	2015.5	10 P	ų,	6.25		4.4	4.4	53.G	1934,5	10	1.0	0.0
San Josques Brees	2526.6	70	٩ ٩	4.5		-1.7	91.	<u>-</u>	2505.9	÷.	ó	ó
Tutare Lake	1808	<b>9</b>	00	0.0		1.2	1.2	5.5	1853.7		8	ō
San Feize	50.7	9.0	Ģ	0.0	69.5	0.0	0.0	0.0	22.2	0.0	0.0	0
Carlomia Total	\$585.2	8.5	0.5	\$		-7.3	-7.3	-56.2			0.1	٠.٥

TABLE 14

VALUE OF PRODUCTION BY SUBREGION (Author 5)

	Averago	Change Co	mparad to	Avorage	Wet	Change Co	imperod to	WetPA	Ory	Change Co	mpered to D	y PA
CVPM	Preferred	Average	Wat	Dry	Prefored	Average	Wet	ρry	Preferred	Average	Wet	Č
Subragion	Altornetive	rollow	ad by Aver	100	Allernanve	tolle	wo you wa	¥	Albernative	Collo	wed by Dry	
Sacremento Aive:	1,825.3	÷.0-	\$ Q	37.6	1.929 C	÷	4.6	8-53-		<b>F</b> 0	4.0	O.5
San Josquit Rive:	4,452.3	ò	Ģ	J.:	4.403.8	9.0	ē.0,	÷		-0.2	-0.5	Q.
Tulang taka	3,876,3	0.0	0.0	·0.3	2,879.4		0.1.	÷	3,842,7	0.1	0.1	o.
San Palipa	680	0.0	0.0	6.0	70.0	0.0	0	0.0			0.0	0
Celfornia Total	10.1720	0.5	P.O.	33.6			3.6	-28.9	10.080.B		0.3	0.3
						۱						۱

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NET REVENUE CHANGES BY REGION (Million S)

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10 00000	Compared	Compared to Average Year PA	Year PA	Comp	Compared to Wat Year PA	ear PA	Comp	Compared to Dry	Year PA
Not Revenue	PARTIE DE	Wei	à	Average	Wet	20	Average	Wei	ľ
Change	follow	followed by Average	959	_	olfowed by Wet	l		lollowed by Dry	
				Sacramento River	l '				
Fallowed Land	Đ.1	0.0		Ð.O	-0.3			0.0	
Groundwater Pumping Cost	e o	-0.3			0.4			-0.2	-0.2
Imgetion Cost	4.A.	-0.4			-0.4	-0.4		10.4	
CVP Waler Cost	·C.3	1.7		19.1	010		-0.1		0
Higher Cree Prices	00	g.g			0.5				0.0
Not Change	0'1-	1.0	6.1-		-0.5			9.0-	-1.5
			Son J	hlupec					
Fallowed Land	30	<b>a</b> .a.	-0.1	-0.2		2.0-	<b>0</b> :0	0.0	0.0
Groundwaler Pumping Cost	20	0.0	-10.3		0.2	-14.1	4.0	ľ	ľ
Irrigation Cost	\$ O	-0.2	5.5			-0.2	L		φ'
OVP Water Cost	1.0	40	22	7.9					51-
Higher Crop Phons	D.1	00	43.5		0.2	0,1			0.0
Net Change	6.0	3.0	-5.7		6.1	-7.3	-7.0	ľ	
				Jore La					
Fallowed Land	0.0	0.0		1.6	-0.1	-0.1	0.0		9.0
Groundwitter Pumping Cost	0.1	0.1			1.0	0.1			
Intigation Cost	0.0	<b>0.0</b>		0'0	<b>ሲ</b> .ዕ	20	0.0		0'0
CVP Waler Cost	-2.3	-1.2		-2.1	-21	¥\$			-2.3
Higher Crop Prices	0.0	0.0		0.1	0.1	0.4	0.0		0'0
Net Change	-2.1	-1.1	4.	12.	-1.1	5.1	<b>-:</b> "	4.1	
			e e	an Fatipa					
Fallowed Land	2.0		00	<b>0</b> .0				0.0	0'0
Croundwater Pumping Cost	C:0			0.0	0.0				
Imigation Cost	0.0	0.0	00	0.0.			Q.0	0.0	0.0
CVP Waler Cost	9.5			0.5	-0.2				1.0-
Higher Crop Prices	0.0	۱		0.0				0.0	0.0
Net Change	-0.2	0.0		ð.8	-0.2	9.0			1.0-
				ъ 1					
Fallowed Land	-0.1	0,0	69.		-0.6	6.4		0.0	D.0
<u>"Groundwater Pumping Dost</u>	-0.2	-0.2	-10.5	5.3	2.2	9'41'	4,4		44
Intgator: Cost	-0.5	0.0	Ð.5		-0.5	5.0-		5.0-	
CVP Water Cost	-1.5	4.5	0.2		3.1	4.5			-10.5
Higher Grop Prices	0,1	0.1	5.8		0,4	2.3		0.0	0.0
Net Change	-2.3	3.7	-11.9	6.9	4,5	-15,1		٠	-15.3
Note. A ragative value to a cost dategory represents an increase in cos <u>i thet produces a decrease</u> in not revenue	si category repi	rosents an ir	Ciezse in c	osi thet proc	luces a decres		venue		

TABLE 16 IRRIGATION WATER APPLIED BY REGION (1000 AF)

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<i>.</i> <u></u>	Average	Change Co	Change Compared to Average PA	verage PA	Wet	Change	Change Compared to Wet PA	to Wet PA	ξ	Change C	Change Compared to Dry PA	Dry PA
	Preferred	Average	Wet	Dry	Preference	Average	10/4	ρú	Proferred	Average	Wel	, Aug
Aegion	Alternativo	ollo	followed by Average	906	Altemative		followed by Wet	Wet	Alternative	toll	tollowed by Dry	·
					Sacramento Rivor	nto Bivor						
CVP Water	825 9	-276	23.4	243.5	6.488	-2.4	2.6	-305.5	4021	-20.3	-50.3	-50.4
Groundwaler	2,621.3	10.5	10.7	112	2 456 8	24.5	-24.3	114.7	3,261.8	4.4	4.2	4,0
			1									
					San Josephin River	LIS FIVES						
CVP WAR	950.2	- B.7	-9.0	269.0	1.226.6	-226.3	21.0	-379.7	909	17.5	-17.5	-17.5
Groundwater	3.656.2	33	3.5	260.0	2,974.2	215.1	10.3	355.8	4723	12.0	12,0	12.0
					Xulara Lux	-54-7						
CVP Water	319.5	<u>-</u>	2.0	ত	957.3	9.7	69 69	3.6	685.3	29	0.1	0.0
Groundwater	3.3430	습니	-2.0	-2.C	2,693.5	-7.7	-7.7	-7.5	4,542.9	0.0	90	00
							j					
					gal Felipe	adjje						
CVP Water	71.0	0.0	0.0	00	710	0.0	0:0	0.0	71.0	0.0	0.0	0.0
Groundwater	ני	па	P.	гa	nB	EП	пa	EU.	חת	AC.	<b>T</b>	Alb.
										•		
					Toles	Led						
CVP Water	2,505.5	-34.4	-30.4	-510.5		-224.9		\$30°¢		47.7	37.8	3.7.B
Groundwater	9,59E.5	15,9	123	2692	B,114.B	182.6	21.5	474.G	12,527.1	18.1	18.2	18.1
												ĺ

"CVP water applied is project water only. It excludes exchange contract delivery and the base supply portion of settlement contracts.

TABLE 17 IF PICATED ACREAGE BY SUBPECIES

		Prelarrad	Changes (	anges Compared to Average PA	Average Pit	Prefered	Changes	Changes Companed to Wet P.A.	O Well P.A.	Preferred	Change	Changes Compared to bry PA	o Dry PA
CVPM	Crep	Attornative	Average	Wer	64	4lheimatice	BENJAMA	IAM.	ρίγ	Ansman	Average	Wet	È
Subreeten	Calegory	Average		Pallowed by Average		Wet	Fo	Followed by Wet		, Day	<b>1</b> 04	Followed by Dry	
	Positive	18.3	Ņ	ò	.0.	e e	0	•	0	181	-	•	9.
	Kup's	200	00	00	60	ô	0.0	0.0	00	60	0.0	9.0	<b>₽</b> :
-	Other Fight Crops	12	00	ç	ĉ	2.	00	0,0	0.0	N.	00	9,0	0.0
	Deputyon Ordhard	96	90	0	0	33	00	9	3	eo có	Ð.D	٥,0	0.0
	Small Grain	24	0.0	00	00	2.4	93	00	00	2.4	0.0	0.0	Ф.О
	Subtoin	±5.6	£'1-	**		\$185	8,1-	9'1-	9.1-	20.3	6.1.	-1.9	4.19
	Patture	1.35	00	93	245	6,00	ÇÇ.	0.0	6.6	33.1	0.0	0.0	ê
	PHB"s	. 56	0.0	9	ó	V.	3.6	0	Ó	ă	0	8	0
	Sugar Beers	£3	0.0	00	00	0.6	6.0	0.0	Ģ	9.4	0	8	0
	Other Field Craps	173	0.0	55	Şö	2.	0.0	0.0	ţ.Ö.	12.1	0.0	0	ò
,	P.O.		90	0.0	200	*	9.9	9.0	G	9.	0.0	80	ф. О
N	Truck Cross	15.5	00	00	00	15.5	9	ş	0.0	15.5	00	00	<b>Q.Q</b>
_	Decidence Orchard	36.3	0	00	ė	96.0	3.3	9.0	00	0.8	<b>0</b> .0	<b>a.</b> b	0.0
	Small Grain	14.0	0.0	00	0	\$. \$.	9.9	9:0	ş	13.7	0.0	80	₽:
	Subtraples Graham	10.2	0.0	00	00	10.2	6.0	9.0	0.0	10.2	0.0	0.0	90
_	Subtotal	195.0	0.0	0.0	4.9	194.7	0.0	0.0	-8.2	193.5	070	000	8
	Pasture	7.0	0.0	0	00	47.6	0.0	0.0	0.0	9.6	. 0'0	8	0,0
	AHEVE	182	9.0	00	ô	183	40	00	3	18.0	0.0	00	å
	Sugar Beaks	8.6	0.0	0	0	<b>6</b> 0	0.0	9	3	en ei	0.0	ρά	9
	Other Fight Creps	157	90	ô	00	9.6	8	ô	0.0	13. W	<b>Ф</b> :D	<b>Q.</b> D	3
	Pice	136.8	0,0	0	8	108.8	0	99	8	1,000.7	g.b	0,0	80
'n	Truck Crops	25.3	9:3	00	0	25.2	0.0	ô	8	2. 2.0	4.0	ď,D	Ö
	Formations	25.9	9.0	0	00	25.9	000	9.0	80	10. 10.	<b>Q.</b> D	<b>0</b> .0	00
	page of sections	972	0.	2	6		0.0	9	3	47.	Ď.	o e	ô
_	인물이 얼마나	30.5	0.0	2	0.0	30.0	0.0	0.9	970	28.8	o c	ô	ė
	\$ubtotal	209.6	0,0	00	6.0	290.7	6,0	0.0	0.0	2882	6.0	9.0	8
	Pastura	£;	0.0	0	50	¥.	<u>-</u> :		5.5	e:	0.0	0.0	8
	#Har=		9.0	ĉ	1.61-	10.2	::		25	ď.	3	õ	8
	Supar Bearla	10 10 10 10 10 10 10 10 10 10 10 10 10 1	00	60	6.6	9	00	8	Ŗ	£.0	3	0.0	3
	CNA: FatdCross	Ţ.	00	00	-13.4	84	0.0	0	5.51-	10.4	ő	8	0.0
	a de	3.6	0.0	00	9.6-	Ç.		2	-64	0.2	60	0.0	00
8	7.00th C1000	99:	0.0	6.0	5	90	0.0	0:0	8	9.0	00	0.0	00
_	Tentaco	2	8	8	B.E.		3.6	0:0	<b>*</b>	F-3	0.0	3	D.O
	Doctors O:thera	26.5	9.0	8	E.6-	25.9	3.0	4	ô	20.9	8	D'a	00
	Sep. 2000		9.	8	e,	20:		0.0	**	4.2	20	2	8
•	Sublinated Dichard	٩	00	00	100	-	00	0.0	0	<u> </u>	0.0	9	00
	Suttolal	67.0	0.0	0.0	-59.9	87.9	0.3	Ş	7.5	74.0	0.D	Q.D	9

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TABLE 17 MRIGATED ACREAGE BY SUBREGION

 		Preferred	Changes (	Changes Compared to Average PA	Average PA	Profess	Changes	Changes Compared to Well P.A.	e Wei PA	Parterad	Changes	Changes Compared to Dry PA	o Dry PA
CVPM.	Crop	Atternative	Average	Wed	הים	Alternativa	Average	Wet	ργ	Attement	Average	Wet	Ä
Subreglen	Cetagory	4verage	101	Forlawed by Ave		wet	F.	Vallowed by W	Wet	DP.Y		Followed by Dry	È
	Pren.º	-	00	00	5.5	**	00	0,0	6.0	1.1	0.0	80	00
		45	ô	50	3.0	*	00	000	ô	<b>6.8</b>	0.0	0	<u> </u>
	SuperBress	£ \$2	000	00	0,0	60	00	00	0	103	00	8	9.0
	Other Field Crops	<del>•</del>	00	00	ŝ	101	0	0	0.0	39.8	8	00	9.0
,	ŧ,	\$7.0	ô	90	9,0	679	60	0.0	0.0	17,0	0.0	0.0	0.0
•	Truck Cross	17.1	80	00	0.0	1771	0.0	0.0	0.0	17.1	020	0.0	<b>0</b> :0
	Tomalcos	ā	60	00	0.0	Ä	00	00	8	34.6	000	D'O	0.0
	Deciduates Orchand	506	8	0.0	0.0	306	90	0.0	6.0	30.6	0.0	8	0.0
	Smal Gran	47.5	00	00	<u>ا</u> د	476	00	00	00	46.6	0.0	0.0	0.0
	Şublotal	275.3	00	0.0	D'C	275.7	0.0	0'0	Ģ	273.6	0.0	0.0	0,0
	Patrue	214	٥٥	00	ô	21.5	03	0.0	6.0	21.0	970	0.0	0.0
	Allehe.	4.7	8	00	00	47	09	0.0	ô	4,7	0.0	0.0	0.0
	Sugar Beets	2.0	00	00	0.0	2.0	0.0	0.0	00	2.0	90	0.0	ф. П
	Oliver Frede Cicos	¥5.	8	00	0	15.4	00	ô	ô	15.4	90	0	0.0
	88	099;	8	00	ô	166.5	ė,	÷	ç	165.2	<del>,</del>	Ģ	Ş
ű	Truck Crops	9	ô	00	00	8.8	00	0.0	00	9.6	0.0	0.0	0.0
	Tarrettods	•	00	00	ç	•	90	0.0	ô	<b>.</b>	9.0	0.0	0.0
	Designation Crehend	121.4	00	00	0.0	121.6	90	0,0	0	121.6	0.0	0.0	0.0
	Satt Cain	22:3	ô	ô	6.0	\$	9,	00	0.0	21.0	<b>0</b> .0	9.0	0.0
	Subtreption Organical	52	00	ô	¢¢	55	ů	0.0	00	2.5	0.0	0.0	0.0
	Sublet.	364.f	0.0	00	°°	0,44.0	42	-0.4	4.1	352.4	40.2	-0.2	Ğ.2
	9.016.6	12:	00	90	60	12.5	40	ψĢ	ŏ	13.6	0.0	0.0	<b>0.</b> 0
	Attaila	20.7	6.3	00	5	250	6.5	n	60	28.6	d.D	0.0	0.0
	Superfloors	2.2	0.0	00	6.6	212	ڹ	ģ	.0.	21.1	9.0	0.0	00
	Other Field Crops	55.4	0.0	00	9,0	59.9	٧į	9.0°	9.0	59.1	0'0	0	60
	Sea	:2:0	8	ő	8	12.	Č2	5.5	Ç.	12.6	80	0.0	ô
40	Truck Craps	34	°	00	00	9.6	0,0	0.0	00	<b>1</b>	0.0	0.0	60
	Tomarque	E 57	0.0	0.0	00	45.9	ģ	÷	ę,	5.7	<b>0</b> .0	0.0	0
	Designant Cropsed	54.6	0.0	°	6.0	346	000	0.0	00	24.6	đ.b	0.0	0.0
	Small Grain	66.1	00	0;	0.	2. 2.	Ţ	, ,	å:	63.3	7	27.0	25
	Craces	0	2	2	3		3	3	00	0.0	9.0	d.b	0.0
	Subtotal	2002	0.0	ô	0.0	202.2	- e:	-1.9	1.0	X8/2	0.2	0.5	0.2
	Postura	165	0.0	ô	ĉ	4.5	t.t	6.0	0.0	14.2	0.0	0.0	<b>0</b> .0
	41.016	M	0.0	0	6.0	 	9.6	8	0.0	9.4	0.0	6	0.0
	Suça Beess	1.1 1.1	0.0	0	6	~	0.0	0.0	0	<b>5:</b>	0.0	0.0	0.0
	Cihar Field Cipps	B.E.	0.3	0	60	B.	0.0	0.0	8	<b>9</b> .6	č	e e	0.0
	Puto	E 87	0.0	8	8	₹B.3	0.0	0.0	og	47.6	9:0	9.0	0.0
~	Truck Cross	CC	00	00	60	0.7	6.0	3.0	0.0	6.3	00	8	0.0
	Yamaices	9.6	0.0	0:	0	60	0.0	0.0	0.0	5.5	000	8	20
	Decidions Crassing	ø.	0	0	6	- -	0.0	0.G	0.0	<b>6</b> .5	00	0.	0
	Small Graid	יי ה יי	85	0.6	06	0 C		86	00	e	000	0.6	0.0
_	1000	   	};;										3
]	5001011	đ:	7.7	] ]	- 3	2.5	3	20	D.U	20.5	0'6	0.0	Q.D

TABLE 17 IRRIGATED AGREAGE RY SUBREGION

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Changes Compared to Dry PA 9999999999 Š Š ì Avenge 2022222222 Alberralive Prefered <u>똮캶셠혛쳟뇶돧찞츦썷쓓</u> Changes Compared to Well PA 4 \* \* 4 \* 5 6 6 6 7 2222 9999999999 ä followed by ĕ 3322333326 0 4 2 4 4 0 0 0 0 0 0 Awerage 0 4 14 - 40000000 Allemailive Proferred 24.6 26.6 26.0 26.0 20.0 84 54 54 84 54 54 84 54 54 427.2 Changes Compared to Average PA 4 NA O - O O O O O O O O O 5 Followed by Average 469666666 6 Allemailea 29.0 25.5 22.6 22.6 22.6 844 445 Proferred Average • ö 8 9) 9) 7 0 % 8 6 4 8 Supricipied Graham Tomatoes Oecidudus Orchard Tomatees Decident Crehard Tamanaes Dedduous Drohard Sugar Bards Other Field Cross Other Field Cross Olher Field Croos 54.0260.0 Calegory Subtoter Sutholet 9 ጀቢሮች ር ካ<u></u>ያያ Sugar Baols Frack Crops SuperBeam Sheeff Grain Truck Crops Soul Gan Smed Grain 90000 Grapes 01030 94.E 8 Subregion 3 무 φ, •

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TABLE 17 IRRIGATED ACREAGE BY SUBREGION

		Preformed	Changes	Changes Compered to Average PA	everage PA	Preferred	Changes	Changes Compared to Well PA	o Wet PA	Preferred	Changes	Compared to Day PA	O Day PA
CVPM	Good	Atternative	Average	Wet	ριγ	Altrimaliyo	Ave 1950	Wet	ρņ	Albensthe	Average	JA/A	ģ
Subragion	Colegory	prerege	Fol	Followed by Ave	.038	Werl	9	Followed by WI	4	500	Fol	Followed by C	Ory
	Pasture	42.9	00	90	O O	430	0.0	0.0	0.0	42.7	0.0	0.0	0.0
	411	**	0.0	0.0	0.0	7	0.0	9.0	00	E S	00	0.0	0.0
	Suger Beets	Z	0.0	0.0	00	ě	9.0	9.D	0.0	*0	<b>P</b> :0	0.0	00
	Other Field Graps	10 M	00	0	00	17.9	9.0	9.0	0.0	8728	<b>P</b> '0	0.0	8
•	Pos.	;	0.5	0	00	p.9	0.0	9.0	0.0	7	0.0	0.0	8
=	124 Caos	6.0	0.0	3	0	g	9.0	9.0	0.0	e 0	Ð.D	2	0.6
	forestars	<b>₩</b>	9	0,0	8	9.	- - -	0.0	0.0	0	0.0	00	8
	Sandages Orchard	BC.E	02	8	8	80.8	9.0	0.0	0	ŝ	0.0	ê	0
	SOUTH CITY		000	000	00	- <u>-</u>	Q. C.	96	<b>0</b> 0	- 9	00	0 0 6 0	000
	\$uploia!	174.0	9	0.0	8	174.2	5.5	6.5	e.a	173.7	0.0	9	0.0
	Postlute	18.3	0.0	. 00	. 00	981	0.0	,	ąu	98.0	94	00	00
	Allah.	18.2	0.0	0:0	0	<u></u>	9.0	0.0	00		0.0	ê	000
	Sugar Beets	-:	0.0	00	00	9.0	0.0	0.0	0.0	1.0	ô	8	0.0
	Charlet Cops	41.2	0.0	٥٥	00	0.12	0.0	9.0	0.0	41.0	00	ö	0.0
	Truck Cheps	3.6	9.0	0.0	00	3.6	0.0	0.0	0.0	D:6	9	8	2
2	Decadons Ochard	3.6.0	0.0	20	0.0	99.0	0.0	0.0	0.0	0.48 0.48	0.0	3	0.0
	Shellfrit	10.0	0.0	0.5	000	10.0	0.0	0.0	6.0	9.6	0.0	8	2
	Grapes	0.4	0.0	00	0	D	9.0	9.6	0.0	P*1	00	2	2
	5		0.0	0 0	0;	0 1	0.0	0.0	0.6	P 1	90	2	8
	Subtracted Overland	3.1	3.6	an	60	9.	00	0.0	0.5	P:-	000	2	20
-	- Subtotal	200.0	0.0	0,0	0.0	200.2	9.0	0.0	0.0	200.1	D.G	970	900
	Publice	39.8	9.0	0.0	0.0	33.9	-1.5	P	-0.3	30.5	gro-	Ş	ş
	Allello.	+	0.0	0.0	2	5		٠. ص	5.5	₽	ņ	9 9	ą
	Supar Beets	20	0.0	0.0	00	2.0	0.0	0.0	0	₽.6	3	8	8
	Other Pate Creps	8.4.6	0.0	9	00	6.53	<u>-</u>	- -	Ą	4	÷	Ş	Ş
_	3	3.9	Q.C	9.0	00		0.0	0	0	9.0	0.	3	8
	Truck Crays	13.5	0.0	9	8	P.B.	a.	0.0	0.0	1 <b>3</b> .0	9	8	0.0
ō	Townseas.	C .	0.0	0	8:	7.0	0	) <del>(</del>	0.0	P.4.	3	3	8
	Destroyed Cropping	135.0	0.0	9.	0	135.0	0.0	0.0	0.0	135.0	2	00	8
	Supplication of	45.9	o.o.	0.0	0	27.2	- 9	Ģ	- P	<b>-</b>	Ģ	Ģ	ģ
	59265	99.0	0.0	20	0.0	99.0	0.0	0.0	ç	0.04	9	8	8
	Coccon	T.	0.0	0.0	03	72.1	N .	e P	ю. Ф		24 4	ģ	ę P
	Suprapple Commit	6.0	0.0	0,0	8	8.0	00	00	9.0	3.0	D.0	0.0	ô
	Subrorel	533.5	0.0	0.0	90	58.1	a o	8	-	633.6	-0.9	<b>9</b>	ф Ф

TABLE 17 IRRIGATED ACREAGE BY SUBREGION

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		Preferred	Changes	anges Compared to Average PA	dverage PA	Preferred	Changes	Changes Compared to Vivi P.A.	o Wet P.A.	Preferred	Changes Compared to Dry PA	Jompsond	O Dry PA
SVP	900	Alterdative	- Average	Wet.	,uc	4 lbernativa	Average	Wet	2	Alternation	AV PRO	4	į
Subsequen	Ģ	Average	1	Followed by Aver	Average	A.		12	100	ě		1 3	
	Pash	-	9.0	0.0	00	10	00		ç	į		4	ç
	Allella	0 #	0.0	0.0	00	14.0	0.0	9	0.0	**	0.0	0	0
	Sugar Beets		0.0	0:0	00	÷	0.0	0.0	ô	€,	0.0	8	0.0
	Other FaddCross	• <u>\$2</u>	00	0:0	ô	18.3	0.0	00	00	17.9	0.0	0.0	0.0
_	Truck Crops	*80.	0.0	0.0	99	136.4	0.0	00	0.0	138.2	9.0	0,0	2
:	Tomatous	170	0.0	0.0	5	77.0	0.0	0.0	0.0	76.2	Q'D	9.0	0,0
7	Dispoduents Orchard	E &	0.0	0:0	٥	24.9	0.0	0.0	00	34.0	0.0	0.0	9.0
_	Small Grain	104	0.0	99	000	10.4	0.0	0.0	ô	ď.	9.0	0.0	0.0
	Grapes	40	0.0	00	0.0	2.0	0.0	00	0.0	9,6	0.0	0.0	0.0
	Sllo	2002	9,0	<b>9</b> :0	Ģ	200.0	9.0	00	0.0	188.8	<b>4.0</b>	0.0	0.0
	Summobial Orchard	1.0	0.0	63	ŝ	4.0	0.0	00	ő	Đ,	0.0	0.0	<b>0.0</b>
_	Subleial	7'00\$	0.0	0.0	8	500.5	0.0	0.0	0.0	403.0	0.0	0'0	3
	Pastura	62	0.0	9.0	0.0	5.5	0.0	0.0	00	3.7	40,0	0'0	8
	Allehe	123	0.0	00	0.2	B3.4	0.0	0.0	50	80.6	0,0	0.0	0.0
_	Sugar Beets	\$0	0.0	0.0	0	0.5	0.0	0.0	00	9.0	0.0	0.0	0.9
	COMP. Ferid Crops.	140	0.0	00	0	E6.1	0.0	00	00	4.2	0.0	0.0	9.0
	Res	5	0.0	00	00	1.0	00	00	0.0	5	9.0	0.0	0.0
	Truck Crops	120	0.0	00	00	120	9.0	00	0.0	12.0	<b>Q.D</b>	0.0	0.0
2	Tomatoes	8	0.0	0.0	00	50	0.0	00	0.0	20	0.0	0,0	Q,Q
	Deddhous Orchard	080	0.0	0.0	ô	980	0.0	0.0	0.0	36.0	0.0	9.	0.0
	Smell Gress	. 017	0.0	0.0	00	78.6	0.0	00	0.0	67.9	Đ	ç	0.0
	Grapes	280	0.0	ě.	8	26.0	0.0	0.0	6.0	8	ő	9	0
	Selton Selton	262.1	0.0	000	2 Q	2427	02	ô	ė	235.5	÷	3	9
	AND DIGHT	0.1	0.0	000	0.0	2	0.9	0.0	0.0	9	0.0	0	9
	Subtotal	1.003	- -	9	ş	501.7	50	00	Q.D	665-9	0.0	0.0	0.0
	Pathura	25	9.0	0.0	8	6.0	4.5	-0.2	1.0	5	0.0	0.0	0.0
	Attack	-5	<b>Q.</b>	04	60	N vi	٠ ٣	ģ	ė	<u>.</u>	0.0	0.4	0.0
	Cither Rigid Craps	5	0.0	ô ô	66	3	- P	Ą	ģ	0	9.0	9.0	0.0
_	Tree: 0.994	50	0.0	0.0	00	0.0	0.0	8	0.0	0 \$	é	0	0.0
4	Decidores Orchand	16.5	0.0	0.0	0.0	9.9	9.0	0.0	0.0	e e	9	0	0.0
:	Smell Grain	. 0:+	0.0	80	00	7	0.0	0	0.0	9.	6:0	õ	0,0
	Graphi	8	0.0	00	0.0	ŝ,	0.0	0.0	0.0	55.0	9.5	ô	0
	Control	5	0.0	00	0.6	e d	000	0 6	0.0	<b>5</b>	0,0	9 6	9 (
	SECURITION OF THE PROPERTY OF			3		*	3	73	6.0	*		3	9
	\$ubdola*	111.4	Ę	ç	Q.0	111.3	₽.0	φ. φ	Ģ.	11.3	5	<b>-</b>	٠. م

TABLE 17 INDIGATED ACREAGE BY SUBREGION

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		Preleved	Changes	Changes Corresped to Average PA	Average PA	Preferred	Changes	Changes Compared to Wat PA	o Wet PA	Preferred	Changes Compared to Dry PA	Demograph (	o Dry PA
Web.	Çusa	Alternalise	Average	Wet	- Du	Albernalive	AVAIROR	  ¥	Š	Allementa	Average	ž	È
Subregion	ڻ	Average opening		Followed by Average		M	i E	Fallowed by Wal	ľ.,	È	1 2	collowed by Do	Ι.
	Pest	3.6		0.0	0.0	3.6	0.0	9.0	0.0	6.5	0,0	900	0,0
	Attella	5.6	6.9	9.0	0.0	5.0	0.0	6.6	0.0	ĝ.	9	00	0.0
	Sugar Geals	1.1	00	20	9.0		a.c.	0.0	3.c	ż	4.0	00	ρo
	CirerFeldCrops	3.6	9.0	00	0.0	9.6	0.0	0	0.0	7,1	0.0	00	0.0
	finck Crops	001	0.0	00	9.0	0.01	0.0	- - - -	0.0	10.0	0.0	ŝ	4.0
:	Tomplops	5.1	9.9	0.0	9.0	0.1	0.0	0.0	9.D	a.	93	00	0.0
	Caddoous Orchard	73.0	0.0	0.0	9.0	2.C7	9.0	9.0	D:0	0.55	90	9.0	<b>0</b> '0
	SHAIGBIN	6.0	0.0	0.0	9.0	3.6	9.6	5.0	q.D	ę.	20	9.0	0.0
	Grapes	109.0	9.3	9.0	0.0	453.6	6.0	9	0.0	108.0	õ	0.0	0.0
	Coden	19.9	D:0	6.6	9.0	9.61	0.0	2	8	6,7	80	0.0	0.0
	Submodes Ordand	35.0	00	0.0	9.0	35.0	0.0	00	9.0	35.0	9.0	0.0	0.0
	Subtotel	250.1	0.0	0.0	0.0	250.3	0.0	0.0	9.0	255.3	0.0	0.0	0.0
	Phalura	7	c c c	00	0'0	;	22	0.0	9.0	2.7	0.0	4.0	4.D
	Affara	62.2	0.0	0.0	- G	8.78	ę	9	? ?	ŝ	0.0	0.0	0.0
	Sugar Bridge	Ē	- -	0.0	90	<u>+</u> :	30	6.0	è	•	<b>4.0</b>	9	0.0
	Other Field Crops	18	60	9.0	-7	7H S	6.0	ñ	7 7	75.3	9.6	0.0	9
	Thuck Choos	130	3		0.0	13.0	3.0	Ç.	9.6	0.61	9.0	9.0	0.0
ġ	*onaloes	0.0	5.5	9.0	9.0	0.0	6.0	6.0	Ø.0	00	0.0	Ð.D	<b>4.</b> D
٥	Decidence Orders	080	0.0	9.0	0.0	0.63	0.0	문	Ð.G	0.69	0.0	9.0	0.0
	Smel Grain	410	00	0	0.0	4.14	Ş	Ģ	Ŧ	98	5	5	5
	0.000	ŝ	00	ŝ	0.0	59.0	33	6.0	0.0	260	4.0	9.0	Q.D
	( <b>6</b> 6)	1703	S	6	-0-	212	Ŷ	*?	٠, ج	Š	9.0	0.0	5
	Subtropita: Orchard	040	00	ço	9.0	970	00	0.0	0.0	97.0	<b>Q.D</b>	0.D	<b>0.</b> D
	Sobjetel	\$92.5	ð.0	0.0	1 -0.1	594.B	1.2	1.2	-1.2	577.2	4.1	0,1	53
	Pasture	1.0	0.0	6.0	0.0	0.3	0.0	0.0	9.0	0.0	0.0	0.0	0.0
	1,117	25 B	00	8.0	9.0	25.0	0.0	a	0.0	ž	0,0	0.0	0.0
	Sugar Book	67	8	90	9.0	5.0	e e	S	Ð.¢	Ş	0.0	00	<b>0.</b> 0
	Other Field Crops	6.3	6	a c	3.0	67	ç	٠	0.0	h. 10	ô	90	0.6
	Tura Crook	240	0	ç.	9.0	540	00	0	J. <b>Q</b>	2	6.0	00	0.0
•	Tongloss	<u>.</u>	0	9,5	0:0	-	9	0.0	0,0	ŗ.	0.0	0.0	0.0
	Designation Order	8	ç	0	<b>9.0</b>	និ	a 0	000	0.0	\$	9	6.0	00
	Small Crain	9.4	ĉ	çç	0.0	7,6	6	ô	0.	7.2	9	0	0.0
	5400	100	ô	20	0	100	0	0.0	3.0	900	9	0.0	0.0
	£33		01	000	- 6 6 4	17.8	00	c.	9.0	1.5.1	9.0	3.	φ.
	Succession Const.	-	20		G.P.		3		0.0	•	9.5	d.b	9:0
_	Subtotal	253.6	9.0	0.0	0.0	253.0	ê	6	D.0	249.7	0.D	đ.0	0,0

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Table 17 irricated acheage by sudregion

		Proferred	Changes C	Ages Compared to Average PA	4vbings PA	Preferred	Charges	Changes Company to Wel PA	O WOLDA	Preferred	Changes Compared to Dry PJ	ранис	to Dry PA
CVPM	Crop	Alternetive	Average	Wot	ριγ	Alternative	Average	Wet		Alternative	Arecage	Wet	È
Subregion	Cahegory	Average	Foll	Followed by Averag	1800	Wel	2	Followed by Wet	*	Š	Fol	Followed by Dry	2
	Pasture	0.1	00	00	00	, 0.1	00	00	9.0	0.0	0.0	0.0	0.0
	Jarana.	12.0	0.0	9.6	00	121	8	00	0.0	1.0	2	Φ:0	00
	Sugar Boers	5.9	0.0	9.0	8	6.0	ô	00	0.0	9.0	0.0	0.0	<b>0</b>
	Other Field Crops	0.0	0.0	9.0	8	30	8	3	0.0	5.5	0.0	4.0	0.0
	Truck Graps	0.1	0.9	3.6	00	0.4	8	0.0	0.0	6.D <del>1</del>	0.0	Ŷ.O	0.0
;	Tomalogy	4.0	00	0.5	00	6.3	00	B.O.	0.0	P)	ф. О	0.0	0.0
8	Decident Crosses	520	00	30	00	0 2 2 3	0,0	0	0.0	25.0	0.0	00	0.0
_	Small Crain	÷	9.0	3.0	8	ç	00	0	9.0	9.0	8	0.0	9.0
	6890	33.0	0.0	0.0	00	330	0.0	00	0.0	96	8	Q.D	<b>Q.</b> D
	500	330	9.0	g.b	00	33.1	ô	00	9.0	8,06	<b>0</b> :0	80	0.0
	Subtroprasi Orthand	27.0	9.5	55	00	27.0	0.0	00	4.D	27.0	Q.Đ	0.0	0.0
	Subtotal	87202	000	0.0	0.0	203.0	0.0	0.0	0.0	199.3	9.0	0.0	0.0
	Patium	**0	0.0	J.C	00	<b>\$</b> 7	900	00	0.0	9.6	0'0	0'0	0.0
	AMena	27.6	0	3.c	00	27.7	°	00	9.0	27.5	ô	ø	ô
	Suga Beats	;	F0	00	00	7.7	00	ę.	00	<u>.</u>	00	0.0	ô
	Other Field Crass	÷	00	0.0	ô	0 191	ô	00	g.b	14.0	¢.	0.0	ô
	Pice	00	ç	3,6	00	ô	0	9.0	0.0	9.0	80	90	0.0
	Truck Craps	E 70:	0.0	0.0	00	87.00 (0.178)	8	00	0.0	107.8	D'O	0.0	0.0
۲,	Tombices	0.1	60	J.0	8	o:	8	P.O	0	<del>-</del>	<b>P</b> O	0.0	0
	Decidados Cresed	520	90	0.0	00	53.0	S	P.O	0.0	23°0	00	0.0	9
	SmallGain	**	00	00	00	1.9	ô	P:0	0.0	P:-	•	60	0.0
_	Grapes	88	Ş	0.¢	ô	8	00	Q. Q	0.0	9.00	80	00	0.0
	Cotton	1200	0	9.0	Ģ	120.8	00	D:0	0	119.3	0	0.0	0.0
	Subtropical Dichard	9	0,0	9.0	60	140	00	0.0	0.0	14.0	0.0	0.0	9.6
_	Sublotel	359.2	0.0	0.0	0.0	359.2	0.0	0.0	4.0	357.2	90	ØΟ	0.0

1 An accepte values in transcript.
2. A regalive value in transcript at lower screege man ellements that the Proteiner A terrative.
3. Not at 12 chost are grown in all subregions.
4. Subregions 3 and 35 should be added toyether to get the comblete subregion 3. 33 represents the ates within this subregion served by the Tehanta Course Canal.
4. Subregions 3 and 35 should be added toyether to get the comblete subregion 3.

TARLE IS VALUE OF PRODUCTION OF SUBRECION (Miller SI

_		fraferred	Changes	Changes Compared to Everyon Pa	Average PA	T Posterred	Change	Changes Compared to Wet PA	to Wed P.A.	Preferred	Changes Communed to Dry PA	out and	a Orve De
CVDW	0000	Allemativa	- Develop		£	Alfamaffun	Average .	- N	2	Sign market	Byerana	3	ě
Subagica	ä	Average	Fello	Followed by Average	۱.	1467	ž	تقا	    **	à	*	Pottowned by Dr.	Ι.
	2	- 2	- 20	60	90	2.6	9.5	5.0	-0.2	26		6,0-	Ş
	Allalla	00	00	60	00	6.5	0.0	0.0	0.0	0.5	00	0.0	0.0
,	Oline/ Field Cicos	90	0.0	60	0.0	0.5	0.0	0.0	0.0	6.5	0.0	0.0	0.0
	Designant Orchard	0.9	0.0	00	0.0	ç	0.0	0	00	9	0.0	<b>q</b> .0	<b>Q</b> .0
_	Sma'l Grain	20	រា	00	00	20	00	90	ô	o,	0.0	0.0	Ď,
	Subtotel	₽,₽	9.5	5,0	00	6.3	₽.5	40.3	0.0	\$3	0.3	70	Ç
	Pastura	5'9	0.0	0.0	\$4	4.9	0.0	0.0	6.0	8.4	0.0	<b>4.</b> D	0.0
	#IIIK.	£.2	0.0		0.2		0.0	2.0	Ď.	ф:s	<b>0</b> :0	<b>0</b> '0	ф. <b>ф</b>
	Supply Bears	38	;	000	00	30	Ó	000	00	5.0	0.0	9	0.0
_	Ohe: Field Crops	7.0	9.0	ô	9.0	9.	0.0	0.0	69 4	7.7	<b>Q</b> .0	0.0	0
,	Pcca	3.8	0.0	60	ģ	9.5	0.0	0.0	ņ	33	0.0	0.0	00
٠_	Truck Craps	1.68	9.0	00	ģ	ś	0.0	0.0	Ş	8	<del>ф</del> .	0	2
	Decisions Orthon	£.	000	6.0	<b>-</b>	51.5	0.0	0.0	0.0	E-1.6	0.0	0,0	0.0
	Smg1 Grain	3	0.0	0	6,0	9 p	0.0	Q.0	Q.	9.0	0.0	8	0.0
	Suppospical Octobro	•	000	ô	9	•	0.0	00	0.0	14.6	9	9	0.0
	Subscral	169.5	00	00	-1.3	109.4	0.0	0.0	-2,1	120.1	0.0	3	0,0
	Patilita	7	00	00	0.5	-	0.0	0.0	00	77	0.0	0'0	0.0
	Alla in	6.0	0.0	00	o	7.0	0.0	0.0	°	9.G	ç	0	80
	Super Becra	43	0.0	00	0.0	4,4	0.0	0.0	0	7.5	00	ô	8
	Other Field Crays	-	ŝ	ô	00	;	0.0	0.0	0	7.0	8	3	8
	Hije	1.8.1	0	ô	0.0	186	0.0	0.0	00	116.2	00	90	3
,	Teack Crops	989	0.0	ô	00	89.6	0.0	0.0	<b>0</b>	89.B	00	90	0.0
	Топвісез	37.9	0.0	00	0	e R	0.0	0.0	0	37.9	00	0.0	0
	Decidence Ordans	159	00	0	ن ا ا	<u>ه</u>	2.0	0.0	00	40.0	000	3	9
	Small Grain	2.	600	ا ا	04	<u>-</u>	٩. ٩	0.0	00	4.5	0	0	0
	Subtorni	255.4	0.0	00	0.0	209.0	0.0	0.0	8	425.9	90	3	8
	Pasture	60	00	00	B C:	D.E	5.0	90	ë o	9.0	6.0	3	0.0
	; 4  4 '4	*	8	0	ij	ň	0.0	0.0	7	-	8	8.0	3
•.	Surge Beets	7	0	0	ei e		0.0	9.0	9	9.6	6.	8	3:
	Other Freid Crebs	5	0	0	á	 6	3.0	9.0	÷	÷	6.0	6.0	000
,	\$ iii	8	0	o :	ë N	 	0.0	0.0	ä	10°	80	9.0	3
æ	Tree Creas	G .	00	0 :	4	0.1	0.0	0.0	Ģ	20	00	3	2
	Temblody	**	8:	0	ů,	÷ ;	0	0	ķ	9.4	0.0	8	D'O
	Decidences Orchard	8	0	0	9.0	38.¢	9.0	0.0	ô	28.6	0.0	8	<b>0</b> 0
	Small Grain	5.5	0.0	0		 	0.4	0.0	ý.	H.	8	D'a	8
	Subtrapion Contain	-		6.0	Ļ	•	0.0	3	08	4.4	ogo	0:0	0.0
_	Subtonal	57.9	0.0	93	-38.2	£0.1	5	5.5	-23.1	60,5	g	80	3

TABLE 18 VALUE OF PRODUCTION 6Y SUBMECACH (Action \$)

	-  - 	Prelamed	Changes C	Changes Compared to Average PA	Average PA	Psetarrad	Changes	Changes Compared to Well P.A.	to Wed P.A.	Prafemed	Change	Changes Compared to Day PA	to Dry PA
CVP*	Crop	Allemeine	Average	Wet	Dry .	avitemative.	Average	Wet	700	Alternetive	AMMIGE	Wet	974
Subregion	Category	Average	F <sub>0</sub>	Followed by Average	929	Wet	Ē	Followed by W	Wel	) Dec	æ	Followed by D	9,
	Patrium	0.2	0.0	000		20	8	D'O	970	0.2	0.0	0,0	3
	A*ble	3.6	9.0	00	90	7.2	00	B:0	00	9.6	ø	0	8
	Sugar Baals	7.5	0.0	8	00	M 14	0	80	00	5.5	00	00	9
	Other Field Cross	18.0	0.0	0.0	0.0	<b>₽</b>	8	90	0.0	17.9	Q.	3	8
•	- S	4°.	000	0	00	74.0	0:0	Ð:O	80	74.1	9	6	200
,	Truck Crops	8.03 8.03	4.0	00	0.0	58	00	<del>0</del> 0	ρa	9. 9.	9	20	8
	Tomelogs	49.0	<b>d.b</b>	00	00	6.64	00	40	0	40.0	0.0	9	0.0
	Doctoon Onthat	50 F	96	00	000	\$2 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	00	00	88	22°	66	82	92
	Subinian	260.7	0.0	00	60	360.9	8	8	00	7.484	Ş	2	9
	Pastion	Ę	90	00	00	1.5	00	90	pd	3.0	0.0	DA	0.0
	- THE I	2.6			, 0	*	90	5	300			3 6	200
	Sugar Beets		.0	0	000	12	9	80	33	3 2	9	38	20
	City Feld Crops	5.0	0.0	00	0.0	.6'9	0.0	0.0	0.0	89	÷	8	3
	25	141.2	00	00	00	1417	ç	Ģ	٠ <u>٠</u>	140.5	÷	ą.	ģ
•	1204 Crops	23.5	0.0	60	00	23.5	00	9.0	00	£5.	00	9	80
	Tomatoes	0.00	0.0	0.0	00	er Cir	00	ф.ф	00	23	0.0	8	9
	Doodsous Orchard	128.1	99	00	00	<del>1</del> 25	0	90	00	1.62	<b>Q.D</b>	ρď	00
	Grand Grand	60	00	00	0	4	0	Po-	0.0	3	0.0	0,0	8
	Systement Orders	9	- 2 1	0	000	92	8	3	00	÷	D.	20	20
	Subjects	323.0	0.0	000	020	320.5	ιö	-0.1	ę,	319.1	4,4	, A.	-0.1
	P.FUFF.6	1.7	0.0	00	00	2	5	-0.	1.0.	23	0.0	00	0.0
•	Allelle	16.8	0.0	00	8	17.0	20	.O.2		163	0.0	8	8
	Suger See:s	16.2	0.0	00	0.0	16.3	ģ	<u>.</u> 6	00	162	<b>0</b>	0.0	00
	Oliver Fair d Crops	29.9	0.0	000	9	Ř	97	Ö.	9	24.0 24.0	<b>0</b>	0.0	2
_	,	10.E	0.0	8	0.0	ę,	Š Š	9	50	10.5	Đ.	2	0.0
ю	1449k Crops	- 22	9	00	00	ž	8.	80	Þa	<u>.</u>	ė.	20	00
		200	0.9	8	0.0	70.2	Ģ	ė.	ė.	79.0	Ö	0.0	0.0
	Doedducke Ordisie	26.2	0.0	00	00	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	00	P:0	D'O	20.2	0.0	2	00
	Series Series	2.62	9 6	000	86	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Şē	. ē	Ģ	6.5			5 5
	Subtotal	220.3	0.0	03	0	223.2	6.00	0.0	q	210.6	90	2	2
	Pasture	2.5	0.0	00	00	12	οg	00	0.0	7	0.0	0.0	8
	7.00	1.6	0.0	0	00	**	00	0.0	00	49:	0,0	0	8
	Sugar Baals	2	0.6	0	0	1.9	0.0	0.0	000	-	S	00	40
	Other Field Crepa		0.0	00	ô	1.4	0.0	00	00	B'+	0.0	00	<b>0</b> .0
	Hico	35.6	00	00	00	7.00	0.0	00	00	38.3	0.0	8	9
٠_	Fruck Caps	2.	00	0.0	8	Ņ	0.0	00	0.0	2	đ.b	2	8
	Fommioes		00	ô	0	90	9.0	0,0	0.	<b>8</b> :0	<b>4</b> .0	o o	00
	Decidious Occupid	9.5	6	0	0	st i	9.0	0.0	0.0	5.0	4.0	90	0.0
	Small Grain	F. C	0.0	00	00	te c	0.0	00	0.6	7.5	86	82	9.0
	orepas orepas	֟֝֞֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֟֝֟ ֓֞	3 8	3		***	,	200		֭֭֚֭֚֭֓֞֝֟֝֟֝֟֝֟֝֟֟֝֟֟֓֓֓֟֟	3	3	3
	SUDICIO	0.20	33		<u>,</u>	r.34	۸۱۸	210	> 1		8	0.0	0.0

TABLE 19 VALUE OF PRODUCTION BY SUBRECCON (At allow \$)

L		Paeterren	Changes C	Changes Compared to Average PA	tuerage PA	Preterrod	Changes	Changes Compared to Wet PA	to Wet P.A.	Prafomed	Changes	Changes Compared to Day PA	o Dry P.A.
Ę,	080	Atternative	Avorage	Wel	Do	Allemellor	Averant	Wet	2	Albernative	**************************************	¥	à
Subieglan	φ 	Average	1	Followed by Aver	1894	Wet		Followed by V	74.	è	Fol	Followed by Dry	Ę
	Pealc	6.9	0.0	3.0	ı	5.3	00	00	0.0	8.8	0.0	d.D	0.0
	aligha	7.2	0.0	0.0	2.5	7.2	00	00	4.0	72	0.0	9.0	00
	Suparficents	e Gi	0.0	9.0	5.0	6.9	00	Po	0:0	9.6	<b>d.</b> D	000	00
_	Other Field Crops	20.8	0.0	00	90	ឌឹ	ô	ô	0.0	7,62	0.0	0.0	<b>0</b> .0
	Rea	3.7	0.0	90	00	31	ô	ô	9.0	4.4	ô	00	0.0
=	Thick Draps	5.07	0.0	00	00	900	00	00	0.0	20.0	0.0	ô	0
	Tometoes	19.8	<b>0.0</b>	0.0	2.0	19.B	an	ç	ç	19.7	ô	ô	000
	Oedgyons Orchand	6.64	0.0	9.0	5.0	49.9	000	ô	0.0	49.0	80	00	9
	Small Gallin	E .	0.0	0.0	2.0	5.0	000	0.0	90	e :	8	8	8
	Cripos	7,101	0.0	0.0	9.0	101.7	٥	0	9	101.7	0,0	D.G.	0
	Subtotal	288.9	0.0	0.0	0.0	300.0	0.0	0.0	0.0	299.3	900	970	0.0
	Pasture	3.6	0.0	J'0	90	96	5.1	φ.	1.0	1.0	0.1	0.1	0.1
	Alletta	\$25.6	-0.1		0.0	\$5.7	÷	Ş	Ģ	<b>?</b> ;	0.2	70	2
	Suppli Beets	22.0	0.0	00	0.0	22.0	0.0	0.0	8	21.9	0,1	-6	-6
	Other Field Crops	9.50	ŗ.	0	-0.1	D.02	Q.2	0.5	20	55.3	٠ و	6.9	6.9
	800	5.0	0.0	0.0	D.O	5.0	0.0	9.0	00	ć.	0.0	<del>\$</del> 6	9.0
a	Truck Crops	130.8	0.0	٥٥	0.0	190.B	D.C.	D.C.	°	180.6	<u>.</u>	67	2
	Tomaloes	i	9.0	00	9.5	25.0	ģ	4	ô	ŧ	50	5	2
	Decideous Ordana	20.7	99	0,0	0.0	5.6	<b>P</b> :0	0.0	0	£	0.0	0.0	00
	Small Grain	30.7	0.0	99	9.0	90.9	4	_ 루	ė	29.7	60	6.0	60
	Gapes	10.0	0.0	0.0	0.0	130	0.0	4.D	00	10.0	0.0	0.0	0.0
	Subtotal	426.3	-0.3	[ 6.6.	43.1	427.2	-0.8	-0.₽	40	424.2	12	1.2	12
	Pastura	1.0	0.0	0.0	0.0	3.	0.0	4.D	00	3.1	0.0	0.0	0.0
	Altalta	986	6.0	9.0	주.2	73.6	÷	000	Ģ	#9 13	40	0.0	Ф:D
	Sugar Bears	12.2	00	ů.	000	77	<b>0</b> .0	0.0	00	122	đ:Đ	<b>Q.D</b>	0,0
	Other Field Chaps	940	9.0	0.0	Ş	9.6	0.0	0.0	3	9.E	₽;	0.0	8
	. B. W.	2.3	•0	9.0	0.0	2.3	0.0	0.0	80	82	ф: О	00	3
	Tauck Grops	718.0	0.0	0.0	0.0	9.56	6,	0.0	5	718.1	90	00	0.0
ò	Tomalces	8	0.0	0.0	0.0	20.1	0.0	0.0	80	 	8	0.0	0.0
	Decidence Oncoun	52.6	0.0	0.0	0.0	52.4	0	0.0	00	\$2.4	÷	8	0.0
_	Smed Grain		0.0	0.0	0.0		5	B.O.	5	3.6	8	00	0.0
	5000	e:-	0.0	0.0	0.0	<u>.</u>	00	B.O.	8	4.	8	00	0.0
	Compa	102.6	0.0	0.0	5.0-	102.7	ė.	B.C	ġ	102.6	00	0.0	0.0
	Sucreption Orthard	2	0.0	0.0	0.0	•;	00	0.0	00	÷.	8	00	0.0
	Subtotal	1015.1	0.0	0.0	-0.0	1015.1	0.0	0.0	0.0	1015.2	90	90	0.0

20

TABLE : 5 VALUE OF PROCUCTION BY SUBREGION (Million'S)

Changes Compared to Day PA 8888888888 è 8888888888 955888888888 Average 9.6 Predering Alternative designation of the second 450085788848 Б Ř Changes Compared to Wei PA ě ownd by Wei Average Š Allernative Prolesited 201.6 2.5 290.9 16.5 10.5 10.5 10.4 10.4 10.4 10.4 10.4 71.5 ₩ Changes Compared to Average PA 000000000000000 Š DOM: 8 Alternative - 6 5 6 Proforme 881 207 5 8.8 2.8 3.5 3.5 88858 44644 ő ä ÷ ě Sustantial Ordered Subtrapinal Organia Decideous Orchard Decisions Created Small Binin Decidados Cicharo Sugar Baets Other Field Crops Other Field Craps Sugar Beets Other Field Crops Calagor Sublote Subtotel Subfole å Truck Create Exet Craps Sugar Beets tion that Smell Grain Smell Gran Committee Pasture Pesture Pasture CHES 8 1 2 appeador Š Ŷ 5 =

tandining the Probuction of Substance and Falling States

	_  .	Prelorrad	Changes	iges Compared to Average PA	Werade PA	Preferred	Changes	Changes Compared to Wel PA	e Wel PA	Preferred	Changes C	Changes Compared to Dry PA	o Ory PA
CVPM	Grep	Alternative	Average	Wet	63	Alternative	Average	Wet	۳,	Attenuative	Average	₩es	è
Suaregion	. Celegory	Average	I Polit	Pollowed by Avoraq	344	Wet	•	Followed by Y	wel	7.00	Fal	Followed by On	-
	Paslure	0.0	000	00	0.0	0.0	0.0	0.0	00	00	0.0	00	0.0
	Alla/a	49 #4	ô	00	0.0	B.B	0.0	9.0	00	83	9	00	8
	Sugar Beels	3.9	00	0;0	0.0	4.0	0.0	0.0	00	ą	0	8	ф: О
	Other Field Craps	40	8	°	0.0	10.9	0.0	0.0	0	5	0	9.0	60
	Truck Crops	847.9	8	ê	0.0	<b>8</b> .7.0	0	0.0	8	<b>€</b> 1€	0°0	0.0	90
87	Tombleds	1148	90	00	-:0	-	0.0	0.0	0	113.3	8	ô	80
2	Designation Ordered	940	ê	000	9.0	36.5	0.0	0.0	88	38.5	3	0.0	90
	Smell Ovein	35	8	ô	0.0	5.2	0.0	0.0	00	4.9	3	D:D	90
	Ovapes	15.1	ô	8	00	14	0.0	9.0	000	1.51	0.0	D'0	8
	Certon	7.	0 0	8	٠. د د د	234.7	8.6	0.0	8	225.8	80	3	23
	CONTRACTOR CONTRACTOR	6.6	3	٥٥	0.0	3.7	9.0	j	88	7.4	45	ė:B	<b>9</b> 3
	Sebtotal	1253.1	0.0	00	0.0	1253.1	0.0	0.0	0.0	1241.1	d.D	Ð.D	Q.D
	Passure	6.0	6.0	00	0.0	0.9	0.0	00	D'o	0.0	0.0	0.0	90
	AZETE	£13	9,0	00	2	51.4	0.0	0.0	00	49.7	0.0	0.0	4.0
	Sugar Bedts	Ţ	၀	00	00	Ţ	0.0	9.0	0.0	<b>0</b> ;	đ.b	<b>0</b> .0	<b>0.0</b>
	Ocher Field Crops	54.2	0.0	00	0.0	513	0.0	6	0.0	\$0.2	<b>Q.</b> D	0	0.0
	Plos	5	00	00	0.0	5	0.0	0.0	0.0	<u>.</u>	0.0	ş	0.0
	Track Crops	720	00	00	0.0	0,52	0.0	9:	<b>D</b> :0	71.9	0.0	0.0	0.0
ñ	Tomatoes	90	°	ô	0.0	36	0.0	0,0	0.0	ę;	0.0	0.0	0.0
	Decidorous Orchard	587	80	00	00	7.86.7	00	9.0	0.0	56.7	0.0	0.0	0.0
	Small Graw	41.6	ô	ô	00	9.	00	0.0	0.0	19.4	0.0	0.0	0.0
	Orapet	717	ô	00	00	121.7	0.0	00	0.0	121.7	0.0	<b>0</b> .0	0.0
	Collec	2750	8	0	-0.5	275.7	0.0	9.0	4.0	267.5	Ð:0	0.0	8
	Subtropical Cichard	24	00	99	qĐ	<u>_</u>	00	0.0	0.0	3.7	- <del>-</del>	<b>0.</b> D	9
	Sublois	503.2	000	00	- 당	664.5	3,0	ءِ ۽	0.0	671.1	Q.D	Q,D	0.0
	Pagente	Ĭ	0	0,2	0.0	ī.	0.0	90	0.0	7	0.0	<b>0</b> .0	0.0
	all@loc	÷	ô	000	0.0	3:5	00	0.0	0.0	7.	<b>Q.D</b>	<b>Q.</b> D	0.0
	City of the Codes	*	0	99	00	90	00	0.0	0.0	<b>49</b>	<b>0</b> .0	<b>0</b> .0	0,0
	Total Cops	900	ê	99	30	30.0	00	9.0	0.0	30.0	Q.D	0.0	0.0
-	Dendrous Cichard	24.7	ô	00	0.0	2.	60	0.0	0.0	24.7	<b>0</b> .0	0.0	0.0
	Smel Gain	<b>7</b> .ö	00	0.0	0.0	7,	0.0	9.0	0.0	5.5	<b>0</b> .0	9	0.0
	Grepos	96	0	0	90	98	0.0	0.0	0.0	119.6	0.0	9	0.0
	اران ان	t- 1 ₩7 ;	00	0 (	0.0	m !	- i	- , - ,	Ş	r i	<b>0</b> :0	0.0	0:
	Sublicated Creaned	- ee			9	Š	3	a:	9.0	23	0.0	9.	
	Subsolat	224,3	8	8	0.0	224.5	۶. چ	-9.2	9.5	224.2	0.0	0:0	\$

TABLE : 3 YALUZ OF PRODUCTION BY SUBHEGION (Million S)

		Pyeferred	Chenges Co	inges Compared to A	Average P.A.	Prelamad	Changes Compared to Wet PA	Daniel Con	D Wet PA	Preferred	Changes (	Changes Compared to Dry PA	A DIT PA
CVPM	Grep	Altementor	Average	Wel	, a	Alternalive	Average	₩4	Dry	Albamativa	<b>IDMINY</b>	HIM	λų
Subregion	Calegory	Average	Pollowed	wed by 4ver	988	Wel	Pollt	Pollowed by Wet	ı	Ç,	2	Followed by D	Dry
	Petitro	20 .	00	00	00	0.0	00	0.0	0.0	4.4	0.0	0.0	0.0
	ANN's		00	0	00	31		ç	ô	23	9	0.0	0
	Sugar Boeta	į	00	8	ô	5	00	0	00		9.0	ô	2
_	School Field Cops	9.5	ô	6	0.0	#.V	0.0	6.0	0.0	2.2	0.0	6.9	8
•	Track Crops	6.08	00	8	00	200	0.0	6.0	00	59.7	Q.D	9	0,0
:	Tomalows	<u></u>	0.0	°	00	5.1	0.0	99	0.0	1	0.0	9	00
=	Decident Grahad	112.8	00	0	00	112.8	000	0.0	0	1128	0.0	ç	8
	SmeUGrain	**	ô	0	00	9.2	°	0.0	0.0	<u></u>	0.0	0.0	90
	Quibes.	206.9	0	00	ô	935.0	0.0	000	0.0	236.9	0.0	0.0	0.0
	Celler	7	ô	00	00	:	00	00	00	å	0.0	0.0	0.0
	Subtropical Orghand	131.0	00	00	00	131.0	0.0	00	0.0	131.0	0.0	9	90
	Sybrothi	565.7	8	0.0	<b>9</b> 0	17895	0.0	0.0	900	562.0	4.0	ą	3
	Passure	6.9	00		00	0.0	0.0	0.0	0.0	0.8	0.0	0,0	0.0
	A'o'A	¥.8	8	8	2	786	<b>7</b> 0	9,0	0.2	*86	0.0	00	000
	Suçar Beels	9.1	00	8	00	5.	00	0.0	00	4.4	0.0	96	8
	Ohbar Field Cytops	45.5	8	8	6.0	45.7	1.0	ė		B) ¥	4.0	0.0	9
_	Truck Crops	78.0	8	0	ô	79.0	0.0	0.0	00	3,1	0.0	ô	ę,
=	Tomiles	÷	ô	00	°	000	00	00	6.0	00	0.0	ê	0.0
2	Decident Orchand	106.6	0	0	ô	105.8	00	00	00	8	0.0	ô	0.0
	Street Grain	20	ô	0	00	24.3	ė.	- q	ģ	22,	5	ā	1.0
	Gares	12.7	8	ô	ô	121.7	9.0	0.0	ô	124.7	0.0	0	0.0
_	Cetton	2.061	00	ô	é	į	Ŷ	ه م	<b>9</b> .0	1860	0.0	0	8
	Subtropice: Orchard	363.1	ô	00	000	5691	00	000	00	163.1	0.0	D.O	0.0
_	Subtotal	974.2	90	0.0	·0.1	975.1	-1.0	0.1.	-4.5	24196	5,1	D,1	1.0
	Pasture	44	00	00	00	ç	90	9.0	00	0.0	4.0	0.0	o'a
_	A24.4	<u>+</u> -2	0	6	ô	4	00	9.0	0.0	150	9.0	0.0	0.0
	Suça · Baa's	5,8	00	000	0.0	ç	00	0.0	00	ei A	0.0	0.0	0.0
	Other State Cops	2.5	ô	ç	ô	ņ	0.0	0.0	00	Ą.	0,0	0.0	Φ'0
	Truck Crops	1.761	8	00	00	147.0	00	0	00	147.0	0.0	0.0	0.0
5	Totaloga	7.7	00	60	60	7	2	9.0	000	7.7	0.0	0.0	00
2	Decision Crayerd	80.2	S	6.0	0.0	ğ	00	6.5	000	8	9.0	0.0	0.0
_	Smoth Srean	9.0	8	0.0	0.0	6.60 6.00	00	0.0	00	5	0.0	ç	0.0
	Graper	ខ្ព	8	3.6	0.0	ŝ	00	0.0	0.0	33.0	0.0	9	99
_	Compa	2 1	 8 ;	0 0	Ģ	128.1	0 0	0,	ф; О	22.	0	2	9:
	Subcrecient Eventre	=	9	0.0	3	5	03	80	8	12.1	0,0	0	0.0
	Subtotal	603,3	0.0	9.0	0.0	4333	0.0	0.0	80	428.7	9,0	0;0	0.0

TABLE 18 VALUE OF PRODUCTION OF SUBRECION (Million \$)

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		Preferred	Changos C	of Compand to Average PA	And against	Preferrent	Chorig≱∎	Changes Compared to Wet PA	Wet PA	perepta	Changes Compared to Dry P4	pauduo	P DIY PA
CVPM	460	Alla native	Average	· Wat	Į	#Iternative	Average	Well	Org	Altemetive	Average	1441	74
Subregion	Cabegory	Average	Foll	Followed by Average	958	Wei	Fe	Fel' awad by Wel	-	ρά	2	Followed by Dr.	7
	Past	0.0		6	0,0	ê	0,0	0.0	0.0	0,0		00	
	Allalla	7.0	00	00	0.0	4,3	0.0	00	0.0	6.9	0.0	00	90
	Sugar Seets	3.6	0.0	000	00	6	0.0	0.0	0.0	9.0	0.0	0.0	0.0
	Citre-Field Cross	5.5	0.0	33	0	70	9	93	0.0		00	0.0	0.0
	Truck Crops	251.6	0.0	00	0	20.00	00	8	9.0	44.7	90	6,0	0'0
8	Tomalo⊕s	3.5	0.0	99	0	50	00	°	3.0	\$0	00	0.0	0.0
8	Decigous Crahand	9.18	9.0	60	00	31.8	0	00	0.0	81.8	9:0	0.0	0.0
	Sme:14:em	3.5	0.0	60	0	50	0	ô	9.0	7.0	9.0	0.0	0.0
	Gayes	- 55	P.0	ô	00	Š	00	000	9.0	1.69.1	0.0	0.0	0.0
	0,000	35.0	90	0	ô	282	00	0.0	9.0	12.7	9.0	0.0	9.0
	Subeoples, Crohand	115.6	20	00	00	115.6	00	00	0.0	115.6	0.0	0.0	0.0
	Subratal	6.868	0.0	0.0	00	604.1	00	0.6	0'0	P'002	8	2	9.0
-	Pasture	0.2	;	ô	0	*°	00	00	9.0	20	0.0	0.0	0.0
	4.0.4	4. 4.	0	ç	0	ě	0	°	0.0	9	0.0	00	0.6
	Sugar Bents	•	90	0	90	•		0.0	0.0	ę	0.0	0.0	0.0
	Other Field Crops	901	90	99	ô	60	ô	00	0.0	10.8	9.0	0.0	00
	F).¢0	0	ee		00	ô	00	0.0	0.0	00	6.0	00	0.0
	Truck Craps	551.4	0.0	0.0	00	561.3	00	ô	-	661.3	8	00	0.6
5.	Готвоет	Į.	0.0	00	6.6	9.5	0	°	0.0	#T	0.0	8	00
	Decidados Orchen	39.3	Ð.6		60	39.3	0	00	9.0	ŝ	0.0	0.6	8
	Small Grain	60	000	000	00	•	0	0	0.0	0.0	0.0	2	00
	10000	192.	9.0	co	0	1237	0	ô	9.0	122.1	3	0.0	00
	Center	1390	9.0	99	ç	125.3	00	0.0	0.0	126.7	0.0	00	8
	Substaples: Ordraid	20.0	o o	00	00	500	0	00	9.0	59.9	0.0	00	00
	Subtatel	1067.6	0.0	0.0	0.0	1047.5	8	0.0	0.0	1045.7	0.0	8	ន

PACTES

1. All values in mixers of 1992 delists

2. A negative value obtressine a lower gross revenue in an alliamative than in the Presence Alternative.

3. A negative value obtressine at subregions

3. Not off 12 drops and 38 anough the properties of properties of 38 generative within this subregion and de vide Tolema Cottes Constants 5 and 38 anough be value.

TABLE 19 CHANGES IN NET REVENUE BY SUBREGION (MILLION \$)

		Change Compared to		Average PA	Change C	Compared to Wet PA	Wet PA	Change	Compared	to Dry PA
CVPM	Cause of	Average	Wet	Dry	Average	Wel	Dry	Average	Wel	L
Subregion	Net Revenue Change	Follo	ΑγA		Foll	owed By W	le!		Followed By	By Ory
	Pallowed Land	1.0-		0.0	1.0-		-0.1		ľ	
	Groundwaler Pumping Cost	9.0		0.0	9		0,0			
-	Irrigation Cost	ν. Υ	•	-0.5	-0.2		-0.5			
-	CVP Water Cost	6.0		0.1	4.0		D.			
	Higher Crop Prices	0.0		0.0	0.0		0.0			
	Net Change	0.1	ı	0.0	0.2		0.2			
	Fallowed Land	0.0		-0.3	0.0		-0.4			
_	Groundwater Pumping Cost	0.0		Q.O	0.0		0.0			
,	Irrigation Cost	0.0		0.0	0.0		0.0			
4	CVP Waler Cost	-D.2		0.1	-0.€		0.5			
	Higher Grop Prices	0.0		0.2	0.0		0.0			
	Not Change	-0.2		0.0	40.6		0.1			
	Faltowed Land	0.0		0.0	0.0		D.O			
_	Groundwater Pumping Cost	0.0		0.0	0.0		0.0			
ď	Imigation Cost	0.0		0,0	0.0		0.0			
,	CVP Water Cosl	0.0		0.0	-0.2		•0.2			
	Higher Orop Prices	00		0.3	0.0		D.2			
	Not Change	0.0		0.3	40.2		0.0			
	Fallowed Land	0.0		-6.4	0.0		•3.8			
	Groundwater Pemping Cost	00		0.0	¥.		Ť			
g	Imigation Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0'0	0.0
3	CVP Water Cost	4.0-		3.7	7.4.		4.2			•
	Higher Grop Prices	0.0		0.0	0.0		0.0			
	Net Change	4.0		-2.8	-3.3		-3.7			
	Fallowed Land	0.0	0.0	9.0	0.0		0.0			
	Greundwater Pumping Cost	0.0		0.0	0.0		0.0			
v	Impation Cost	0.0		0.0	0.0		0.0			
	CVP Water Cost	0:0		0.0	Ċ.		o.			•
	Higher Crop Prices	0'0		0.3	0'0		0,1			
	Net Change	0.0		0.3	-0.1		0.0			
									l	

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TABLE 19 CHANGES IN NET REVENUE BY SUBREGION (Million S)

		Change Cor	Compared to Average PA	arage ₽A	Change Co	Compared to	Wet PA	Change	Compared	to Ory PA
CVPM	Caustrof	Average	Wot	ρŷ		Wet	ļ.	BEBROAY	Wei	Dry
Subregion	Net Revenue Change	Follow	ed By Avera	36	Follo			Ŧ,	977	Ory
  -	Fallowed Land	0.0	0.0		0.D	0.0	0.0	0.0		
	Groundwater Pomping Cost	0.0		G.0	0.0	0.0	9-0			
ď	Imgation Cost	0.0		0.0	0.0	0.0	0.0			
` _	CVP Water Cost	6.00		6.0	¢.	5,0,	0.0			
_	Higher Grop Prices	0.0		0.3	0.0	0.0	0.1			
	Net Change	-0.3		0.0	-0.3	-0.3	-0.5			
	Fallowed Land	0.0	0.0	0.0	2.0.2	٠٥.2	-0.2	0.0	0.0	0.0
	Groundwater Pumping Cost	0.0		ð.0	ව. ව	0.3	0.3			
4	Intgetlen Cost	0.0		0.0	0.0	0.0	0.0			
>	CVP Water Cost	0.0		00	5.0	0'0	0.0			
_	Higher Crop Prices	0.0		0.4	0.0	0.0	0.2			
	Nel Change	0.0		0.4	0.1	0.1	0.3			
	Fallowed Land	0.0		G-D	0.0	0'0	0'0			
	Greundwater Pumping Cost	0:0		Q:0	0.0	0.0	0.0			
•	Infigation Cost	0.0		0.0	0.0	00	0.0			
- -	CVP Water Cost	ó		-0,	-0	<del>-</del> <del>-</del> <del>-</del> <del>-</del>	<del>,</del>			
	Higher Crop Prices	0.0		0.1	0.0	0.0	0.1			
	Net Change	- <b>9</b> .1		0.0	1.0	Ċ.	0.0			
	Fallowed Land	0.0		¢.0	0.0	0.0	0.0			
	Greundwater Pumping Cost	0.0		0.0	-0	-0	9			
ব	Irrigation Cost	0.0		00	0.0	0.0	0.0			
)	CVP Water Cost	8.0		9.1-	2.0	1.2	ψ, ex			
	Higher Crop Photos	0.0		0.2	0.0	0.0	9			
	Not Change	-0.8		-1.3	-1.9	-1.0	-2.6			
	Farlowed Land	-0.1		0.0	1.0-	-0.1	1.0			
	Groundwater Pumping Cost	9.0		-0.6	1.2	ż.	두			
	Irrigation Cost	6.0		6.0	6.0	6.0	6.0			
١	CVP Water Cost	5.		1.2	N.G	2.0	2.0			
	Higher Crop Prices	0.0		0.5	0.0	0.0	0.2			
	Net Change	0.3		0.7	0.5	0.5	0.7	}		

TABLE 19 CHANGES IN NET REVENUE BY SUBREGION (Millon \$)

		Change Cor	npared to Ave	brage PA	Change Cor	Compared to	-	Chango	Compared to Dry PA	to Dry PA
CVPM	Cause of	Average , Wel	Wel		Average	Wet	ρú	Average	Wet	DO
Subregion	Net Revenue Change	Fallowed	aed By Averag	] 	Followed	wed By Wal	_	H	Followed By	Dry
	Fallowed Land	0.0	0.0	1.0-	0.0	0.0	0.0	0.0	0.0	
	Groundwater Pumping Cost	0.0	0.0	-6.8	ы. Б	6.0	<b>6</b>	0.0	0.0	
\$	Imigation Cost	00	0.0	0.0	00	0.0	0.0	0,0	0.0	
2	CVP Water Cost	r.q-	<b>♦</b> :0	6.3	9.6	0.7	99	0.2	0.2	
	Higher Crop Prices	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	
	Net Change	11.0~	0.4	-0.1	-0.5	0.0	-0.3	0.2	0.2	
	Fallowed Land	C.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Groundwater Pumpling Cost	0:0	0.0	0.0	0.0	0.0	0'0	0.0	0.0	
;	Infigation Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
=	CVP Water Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Higher Crop Prices	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	
	Nel Change	0.01	0.0	0.3	0.0	0.0	0.1	0.0	0.0	
	Fallowed Land	0.0	0.0	0.0	0.0	0.0	0'0	0.0	0.0	
	Groundwaler Pumping Cost	0.0	a:b	0.0	0.0	0.0	0.0	0.0	0.0	
ç	Irrigation Cost	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
2	CVP Water Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Higher Crop Prices	00	0.0	0.3	0.0	0.0	0.1	0.0	0.0	
	Met Change	0.0	[a.b]	0.3	<b>0.0</b>	0.0	0.1	0.0	0.0	
	Fallowed Land	0.0	0.0	0.0	1.0.	٠٥.1	-P-1		-0.1	
	Groundwater Pumping Cost	0.0	6.7	2.7	1.6	1.6	4.	0.2	0.2	
-	Imgation Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	CVP Water Cost	9.0°	9.0°	2:1	7	T.	4.3	٠. د	φ.	
	Higher Crop Prices	0.0	0.0	0.5	0.0	00	0.5	0.0	0.0	
١	Met Change	0.0	0.1	5.1	-,o-	Ó,Ó	-0.5	-0.1	-0.1	
	Fallowed Land	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0'0	
	Groundwater Pumping Cost	0.0	0.0	0.0	0.0	0,0	0.0	0.0	0.0	
7	Ingation Cost	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	
<u>:</u>	CVP Waler Cost	E.I.	<b>40</b>	9	6.	6.4	ń.	en F	6.8	7.3
	Higher Crep Prices	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0
	Net Change	£,3	3.5	-5.6	1.8	Ð.4	-5.3	4.3	-6,3	.7.3

TABLE 19 CHANGES IN NET REVENUE BY SUBHECION (Million S)

2		Change Co	mpared to Ave	вгаде Р.А	Change Co	mpared to	WetPA	Change	Compared	lo Dry PA
II CVPM	Cause of	Average Wet	Wet	ν <b>α</b>	Average	JēM, BI	ρıλ	Average	Wet	Dry
Subregion	Net Revenue Change	Followed	wad By Average	96	Folic	Wed By W	et	Fc	Followed By	λ
	Followed Land	0'0		0.0	00	0.0				
	Groundwater Pumping Cost	0.0	0.0	0.0	0.3	0.3				
ŭ	Imigation Cost	0.0	0.0	0.0	0.0	0.0				
2	CVP Water Cost	6,0,	0.5	0,4	Ġ	Ġ.				
	Higher Crop Prices	0.0	0.0	0.4	0.1	0.0				
	Net Change	-0.3	-0.5	0.1	0.2	0.2				
	Fallowed Land	0.0	0.0	0.0	00	0.0	0.0	0.0	Q.Q	0.0
	Groundwater Pump.ng Cost	-0.e	9.0	-0.6	90	÷.				
4	trrigation Cost	0.0	0.0	0.0	G.0	0.0				
2	CVP Water Cost	0.7	7.0	0.7	D.7	0.7				
	Higher Crop Prices	0.0	0.0	0,1	0.0	0.0				
	Not Chango	0.0	0.0	0.1	0.1	0.1				
	Fallowed Land	0.0	0.0	0.0	0.0	0.0				
_	Groundwater Pumping Cost	0.2	9.2	0.2	0.3	6.0				
ţ	Irrigation Cost	0.0	a.o	0.0	0.D	0.0				
<u>-</u>	CVP Water Cost	- - -	0	6.0	4.0	Ġ.				
	Higher Crop Prices	0.0	0.0	0.5	0.0	0.0				
	Net Change	0.0	0.1	0.1	0.0	0.0				
	Fallowed Land	0.0	0.0	0.0	1.0-	-0.1				
	Groundwater Pumping Cost	0.0	0.0	0.0	0.0	0.2				
4	Intgalion Cost	0.0	0.0	0.0	0.0	0.0				
<u>:</u>	CVP Water Cost	\$127	0.1-	6.6	e e	7				
	Higher Crop Prices	0.0	0:0	0.4	0.0	0.0				
	Not Chango	-1.5	±.0	-2.9	-2.1	9.1.8				
	Fallowed Land	0.0	0.0	0.0	0.0	0.0				
	Groundwater Pumping Cost	0.0	0.0	0.0	0.2	o.				
Ŷ	Imgalion Cost	0.0	0.0	0.0	0.0	0.0				
<u>!</u>	CVP Water Cost	<b>양</b>	8.0	9.0	ė.	9.0				
	Higher Crop Pinces	0.0	0.0	0.5	0.0	0.0				
	Net Chango	-0.5	9.5	-0.3	.o.3	Đ.3				
										ŀ

TABLE 19 CHANGES IN NET REVENUE BY SUBREGION (Million S)

_		Change Co	Change Compared to Average PA	вгасав Р.А	Change Compared to Wet PA	ompared to	Wet PA	Change	Change Compared to Dry PA	to Dry PA
CVPM	Cause of	Average	Wet	ргу	Average	Wet	Dry	Average	Wel	50
Subregion	Net Revenue Change	Follo	Followed By Average	اسا	Folk	Followed By Wat	10	Ľ	Followed By Dry	
	Fallowed Land	0.0	0.0	0.0	0.0	ı		0.0		
	Groundwater Pumping Cost	0	0.0	0.0	0.0	0.0	0.0	-0.2	4.2	0.2
ę	Impation Cost	0.0	0.0	0.0	0.0			0.0		
3	CVP Water Cost	-6	0.2	0.0	-0.3			-0.2		
	Higher Crop Prices	0.0	C.0	0.2	0.0			0.0		
	Net Change	-0.1	0.2	-0.B	-0.3	0'0	-4.1	£.0-	6.0-	-0.T
	Fallowed Land	0.0	0'0		0.0	0.0				0.0
	Greundwater Pumping Cost	0.0	0.0		0.2	5.2				\$. \$.
ċ	Irrigation Cost	0.0	0.0		0.0	0'0		0.0		0.0
·	CVP Water Cost	0.0	0.0	6.0-	0.2	0.5	4.0		7.0	4.6
	Higher Crop Prices	0.0	0.0	0.2	0.0	5.0		0.0	0.0	0.0
	Net Change	0.1	6,0	-0.3	0.4	0.7	-0.1	<b>5'</b> 1-	<u> </u>	-1,7
	Fallowed Land	γ.	0.0	9.8-	-0.4	€*G-	B.p.	<b>₹</b> ₽	50-	20
	Groundweter Pumping	4.0	D.4	6.6-	<b>b</b> .	3.1	-16.6	4.0	4	4.0
10101	Imigation Cost	60	.0.3	60	-0.3	-0.3	6.0	•0.3	E. O.	Ġ.
<u> </u>	CVP Water Cos:	1	6.4	2.3	0.0	2.9	6.5	-8.0	<b>₽.</b> 7−	-10.7
	Higher Crop Potes	1.0	0.0	4.7	0.4	<b>4</b> .0	1.9	0.0	0.0	0.0
	Net Charige	-1.1	4.6	-10.0	4.5	5.8	-13.2	-12.4	-12.4	-15.1
Notes:										
1. Alf velues	<ol> <li>Alf velues in millions of 1992 dollars</li> </ol>									
2. A negative	<ol> <li>A negative value represents a reduction in set revenue compared to the Preferred Alternative</li> </ol>	n net revenue	rll of baredmos	e Preferred A	utemalive					
3. Schregion	<ol><li>Subregions 3 and 38 should be added together to got the compile subregion 3.</li></ol>	gether to got th	ns ela ducco e	brėgian 3, 35	38 represents the area within this subregion	the area wi	ne skut ural	Sregion		
•	served by the Tehama Colusa C	Canal						,		
4. PAis he	4. PA is the Preterred Atternative									
						I	۱			

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TABLE 20 IRD: CATION WATER APPLISO BY SUBREGIÓN

		Predazred	Changes Co.	mpared to Average P.A.	Fragin P.A.	Preferred	Changes Compared to Wut P.A.	3.mgaved to	o Wut PA	Preferred	Changes (	Changes Compared to Day P.A.	Day PA
CVPM	Waler	Alternativa		Wee	Dr.	Alternative	Average	3	μÖ	Allemalive	Average	Wet	, Co
Sybrogion	Source	Average	Fallay	wed by Average	١.	Wet	Follo	Wed by W	٠	Dry		Followed by Dr.	*
,	CVP Wither	66	10.E		b.2.		_0.6	-13.0		51.0	-13.5	4.61.5	3.51
•	Groundweier.	9.5		0%	0.5		0.0	0.0					-1.5
,	CVP Willer	27 17	9.	60	717		60	2					<b>Q.Q</b>
,	Groundwater	512.1	0.0	0	2.0		0.0	ó					<del>Q</del>
,	CVP Waler	170 4	0.C	000	9.0		0.0	00					2
0	3/00/odwpie:	248.9	90	0.0	0.0		0.0	00					0.0
ŕ	CVP Water	2.921	::	9	129.6		39,3	30.1	Ι.				т. <del>ф</del>
0.0	<b>Groundwaler</b>	78.7	1.6	0:0	0.0		-38.4	-38.2					0.0
,	CVP WEIGH	129.8	0.0	0.2	0.0		0.0	0.0	ı				0.0
,	3:oundwater	326.5	0.0	0.0	0.0		3.0	00					00
	CVP Water	6.61	<u>-</u> -	000	0.1		 0	8					0.0
^	Stoundarding	4.92.5	- 5	60	2		-1.1	01-					-1.5
4	CVP Wate:	22	0.0	00	00		0.0	0.0					9.0
0	Groundwaler	452.8	0.0	D'O	00		ė,	ě					0.0
	20143W 5000	22.0,	0.2	00	00		9.0	0.0					0'0
	Groundwaler	1932	0.0	00	0 a		3.D	0.0					O.O
	CVP Wate:	51.6	0.1	Ero	10.		1.0	Ę.					ę.
	<b>Groundwaler</b>	756.4	1	00	-	717.0	00	0.0					Ď.
	CVP Water	262	-28.2	262-	-28.2	48.1	1.82.	1.46.1				•	-11.5
ı.	Groundwaler	E0.3	17.9	9.5	187	70.2	326	35.5					F.
4	CVP Wiziar	183.6	00	8	1834	2344	2344 -2284 -22.8	-22.8	434.4	92.1	Q.D	₽.O	0.0
2	Groundwellur	4862	00	D.O.	179.5	415.4	227.7	22.7		<u> </u>			0.
;	CVP Water	0.0	00	0.0	0.0	0.0	9.0	0.0					0.0
:	Shoundwider	34.1	0.0	0.0	00	28.8	0.0	0.0					0.0
•	CVP Wellor	0.0	0.0	0.0	0.0	J.D	0.0	3.0					Q.0
¥.	Groundwaler	173,1	00	0.0	0.0	141.E	0.0	0.0					0.0
:	CVP Water	163.5	18.7	36.6	60.2	0.681	83.2	2	-113,1				90
2	Groundweter	912.5	-187	-16.6	50.2	812.0	135.2	26.2		1,181.4	8.t.		3.6
14	CVP Water	2244	- ÷	69	0	719.0	- C-	0.0	0.0		90	0.0	0.0
<u>.</u>	Groundwaler	42 <b>6</b> 3	ن ن	200	9	603.6	-6.15	9.	0.D	1,178.4	ρď	d.D	<b>6</b> .0

TABLE 2N THRIGATION WATER APPLIED BY BUBREGION

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		Professed	Changes	AN SERVE OF DESIGNATION OF THE PROPERTY OF THE	verage PA	phuatphia	) and disconnection	Changes Compared to Wel PA	o Wel 9A	Римина	Changes Compared to Dry P.	ompained to	DIYPA
CVPA	Weles	Minmally	Average	Wet	φ	Albernative	Average	Wet	Ory	Alternative	Average	Wel	ΔA
Submother	Source	Average	Foth	owed by Average	451	I⊕M.	Fol	Followed by We		6	Foll	Followed by Ory	,
  - 	CVP Water	35,1	0.0	1.0	1.0	38.1	₽'O	1.0	0.0	28.6	0.0	0.0	90
2	Croundyaler	1.276.6	000	Ģ	ė.	1,020,1	9.0	00	4.0	1,800.7	0.0	0.0	0.0
9	William CVD	18.2	14.2	16.2	-16.2	1\$7	15.7	-15.5	-15.7	128	-12.B	12.9	-12.9
2	Gröundwaler	49.6	14.9	14.8	15.0	Do.	13.2	13.2	13.2	107.3	6.11	11.5	11.3
:	CVP Waler	34.6	o.	8	4.0	32.5	4,4	7.3	4.4	1.72	0.0	0.0	0.1
2	Groundwaler	415.1	-1.6	3.6	3.8	3032	-7.4	5.5	+'2-	\$77.4	Q.D	90	0.0
,	CVP Water	517.3	102	0	-6	£ 925	0.0	0.0	1.0	359.0	<b>0</b> .0	00	9
£	Groundwaler	1,518.0	0.0	20	φ	9218	0.4.0	4	9.7	1,334.8		90	60
   ; 	CVP Waler	13.3	- Ç	0.0	ē	15.4	9		0.0	44	a'a	ÞΦ	0.0
<u>.</u>	Groundwaler	368.6	5,1	0.0	<u></u>	220.7	0.0	0.0	0.0	576.4	0.0	0.0	90
	CVP Waller	208.7	1.0	1.0	0.0	2198	-5	ō	÷		€'0	0.0	۲. 
N.	Graundwaler	303.6	- Q	-O-	1,0	244.8	d.D	3.0	0.D	437.3	0.0	0.0	0.0
	CVP Water	138.3		0.0	9	0.581	g.b	!1'0	1.0.	89.3	90	0.0	ţ.
57	Groundwaler	579,4	2.0	0.0	0.0	445.2	0.0	0.1	0.0	783.1	0.0	0.0	9.0
ا ب	CVP Waler	2,505.5	4.46	30.4	-510.5	2.888.2	-224.9	9.61	980.6	1,593.9	2'28-	37.8	4.37.B
8	Gratindwater	9,598.5	1.0	12.3	269.2	8.411.U	182.6	-21.8	0.27	12,527.1	191	16.2	10.

1. All gunt&es to boosends of acrement. 2. A regaint white represents a lower quantility than unlike Preferred Attentions. 3. Subregions 3 and 19 should be added together to got the complete subregion 3. Se represents the atea within this subregion served by the Tettema Colliss Canal 9. P.A.Is the Professor Attentions.

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TABLE 21 SUBREGION ANALYSIS OF SIGNIFICANT CHANGES IN WATER USE

Subregion	Dutcome	Explanation
- <u>.</u>	Decrease in CVP use and no GW substitution in all sequences	Less CVP water is used than in the Preferred Afternative because the blanded price is 140% to 330% higher than the Preferred Alternative Tier 1 (the only tier of water that was used for this scenario). For hydrologic reasons, subregion 1 is restricted from switching to groundwater.
- 2	Decrease in CVP use and no GW substitution in Dry to Average and Dry to Wet sequences	Less CVP water is used than in the Preferred Alternative because the blended prices for the Dry to Average and Dry to Wet sequences are \$20% and \$45% higher than the Preferred Alternative Tier 1 price (the only water tier that was used for this scenario). For hydrologic reasons, subregion 2 is restricted from switching to groundwater.
38	Decrease CVP and no GW substitution in Dey to Average sequence	Less CVP water is used than in the Profesred Alternative because the blanded price is 240% higher than the Tear 1 price from the Preferred Alternative, which is the only tier of water that was used. For hydrologic reasons the segion is restricted from switching to groundwater in this long-run scenario.
38	Decrease in CVP use and GW substitution in Dry to Wet sequence	CVP water use decreases because the blended price is 250% higher than the Preferred Alternative Tier 1 price. The model allowed a shift to groundwater on a short run basis to provide water to permanent crops during the wet year when groundwater would have been recharged.
38	Shift from Groundwaler to CVP water in Average to Wet and Wet to Wet sequences	In the Preferred Alternative wellycar analysis subregion 38 has 39 TAF of water that fars in Tiers 2 or 3. Under the LTCR blended pricing mechanism all of the subregions CVP water is prices at a level that is tower than the Preferred Alternative Tier 2. This additional affordable CVP water is used resulting in a less groundwater being pumped.
o.	Shift from CVP to Groundwater in all sequences	The blended price of CVP water in subregion 9 is greater than the groundwater pumping cost resulting in the shift from CVP to groundwater.
10	Shift from CVP to Groundwater in Dry to Average and Average, Wet and Dry to Wet sequences	Due to an increase in the CVP price relative to the Preferred Alternative, the depth to which groundwater can be affordable pumped increases resulting in the shift from CVP supplies to groundwater.
13	Shift from groundwater to CVP in Average to Average, Wel to Average, Average to Wet and Worlto Wet sequences	In the Preferred Alternative Average and Wet conditions subregion 13 had water classified as Tier 2 or Tier 3 which was not affordable, and pumped groundwater to supplement it's Tier 1 supply down to a depth at which it was no longer affordable. In the LTCR sequences, the blanded price is less expensive than the Preferred Alternative upper Tier price, therefor a shift is made from the deepest groundwater to the now affordable CVP supply.

TABLE 21 SUBREGION ANALYSIS OF SIGNIFICANT CHANGES IN WATER USE

Subregion	Oulcome	Explanation
		Under the LTCR blanded prize mechanism, when coming out of a drought into a
		Average or wet year the plended price increases. In these situations, shallow
	Shift from CVP to Groundwater in Dry	groundwater is less expensive than the CVP blended price. As more groundwater is
2	to Average and Dry to Wet sequences	numped the cost increases as the pump lift increases and the cost eventually
		becomes greater than the CVP blended pince. When this happens, the remainder of
		the subregions water supply is taken from the CVP supplies.
ų	Shift from CVP to Groundwater in all	The blended price of CVP water in subregion 16 is greater than the groundwater
9	saduences	pumping cost resulting in the shift from CVP to groundwater.
		In the Preferred Alternative Average and Wet conditions this subregion had water
		classified as Tier 2 or Tier 3 which was not affordable. The subregion pumped
ţ		groundwater down to a depth at which it was no longer affordable to supplement the
-	Shirt from groundwater to cvr	CVP water is was able to afford, in the LTCH sequences, the blended price is tass
		expensive than the least expensive CVP tier that was not used, therefor a shift is made
		from the deepest groundwater to the now affordable CVP supply.
,	Shift from CVP to Groundwater in Ory	The blended pricing causes the Cry to Dry CVP water cost to rise higher than the
ét !	to Dry sequence	groundwater pumping dost resulting in the shift from CVP to groundwater.

SECTION 2 REGIONAL ECONOMICS

## REGIONAL ECONOMICS

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This analysis identifies the regional economic impacts of two out of the nine total Long Term Contract Renewal sequences; an Average year following an Average 5-year base condition, and a Average year following a Dry 5-year base condition. The regional economic analysis is restricted to these sequences because they are the only sequences that represent long-run conditions. The Input-Output model used in the regional economic analysis assumes a long run equilibrium is reached, therefore it is inappropriate to model short run responses represented by the Wet and Dry year conditions. While the Average year following the Dry 5-year base condition is not strictly a long-run scenario, as described in the Agricultural and Land Use and Economics section, there are some regions that will be permanently impacted by a five year series of drought years. Because of this, the results can be considered long run.

The assumptions and baseline data used in this analysis are the same as what was used in the Preferred Alternative. Tables 23 and 24 show the results of the Average year following an Average 5-year base condition, Tables 25 and 26 the Average year following an Wet 5-year base condition, and Tables 27 and 28 the Average year following an Dry 5-year base condition. Tables 23, 25, and 27 present the impacts by economic sectors that are aggregations of SIC industries. Tables 24, 26, and 28 present the regional economic impacts broken out by the source of the impact including reduced agricultural output, changes in net farm income, and changes in M&I water costs. Note that regional economic impacts are not reported for the North Coast or the Central and South Coast regions because the rolling five year average tiered pricing mechanism has no impact on these regions.

## AVERAGE YEAR FOLLOWING AVERAGE 5-YEAR BASE CONDITION

Table 23 shows the employment, output and income effects on all sectors in each regional economy of the long-term contract renewals. Most of the impacts are felt in the Manufacturing, Trade and Services sectors. These impacts are derived from the impact to not income. The economic impacts by region from each source can be seen in Table 24. Reduction in not income resulting from changes in CVP water cost, groundwater pumping, irrigation costs and changes in crop prices have the greatest impact at the statewide level.

## AVERAGE YEAR FOLLOWING DRY 5-YEAR BASE CONDITION

Table 27 shows the employment, output and income effects for each regional economy and the State as a whole broken out by the impacted sectors. Table 28 shows how each of the impact sources contribute to the total impact. The reduction in agricultural output in the Sacramento River region relative to the Preferred Alternative dominates the Statewide impact.

TABLE 22

REGIONAL ECONOMIC IMPACTS ON ALL SECTIONS: AVERAGE YEAR FOLLOWING AVERAGE 5-YEAR
BASE CONDITION COMPARED TO THE PREFERRED ALTERNATIVE AVERAGE YEAR CONDITION

			impacts on a	Il Sectors	_	
	Employment -	(# of jobs)	Quiput	(SMM)	PoW Incom	ie (SMM)
Region Directly Impacted	Direct	Total	Direct	Total	Direct	Total
Şaçramento River						
Agriculture	- 1					
Reduced Output	-10	-20	-0.5	-1.2	-0.2	-0.6
Reduced Not Income	-20	-50	.0.9	-2.3	-0.5	-1.3
Total Agricultura	-301	-60	-1.4	-3.5	-0.7	-1.9
Mai Water Costs	-60	-130	-3.9	-8.5	-20	-4.7
YOYAL 1/	-90	-190	-5.3	-12.0	-2.8	-6,6
San Joaquin River						
Agriculturo					- 1	
Reduced Output	o	0	.02	-0.3	-0.1	-0.2
Reduced Net Income	20	40	0.8	1.B	0.5	1,0
Total Agriculture	20	30	0.7	1,6	0.4	0.9
MSI Water Costs	-80	-150	-5.0	-9.4	-2.6	-5.1
TOTAL 1/	-60	-120	-4.3	-7.0	-2.2	-1.2
Tulare Lake		1				
Agreciatore					ļ	
Reduced Output	o¦	0	€.0	00	0.0	00
Reduced Net Income	-56	-80	-2.1	-4.1	-1.1	-22
Total Agriculture	-50	-90	-2.1	-4.1	-1.1	-2.2
M&I Water Costs	8	0	0.0	0.0	0.0	0.0
TOTAL 1/	-50	-80	-2.1	-4.1	-1.1	.22
Bay Area						
Agriculture						
Reduced Oulpus	G C	0	0.0	0.0	0.0	6.0
Reduced Net Income	- 6	-10	-0.2	-0.4	-0.1	-0.2
Fotal Agriculture	٥	-10	-0.2	-0.4	-0.1	-0.2
M&I Waler Costs	60	-130	4,4	-9.4	-2.4	-5.4
TOTAL 1/	-60	-130	-4.6	-0.8	-25	-5.6
California Total			•			
Agricutuse						
Reduced Output	-10j	-20	-0,7	-1.5	-0.3	-o.a
Reduced Not Income	-5C	-100	-2.0	-5.0	-12	-2.7
Total Agriculture	(cl	-120	-3.0	-6.5	1 6	-3.5
M&C Water Costs	-200	- <b>01</b> D	-13.3	-27.4	-7.0	-15.1
TOTAL 1/	-260	-53D	-16.3	-33.9	-8.6	-18.6

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TABLE 23
REGIONAL ECONOMIC REPACT: AVERAGE YEAR FOLLOWING AVERAGE SYEAR BASE CONDITION
COMPARED TO THE PREFERRED ALTERNATIVE AVERAGE YEAR CONDITION

•		Employmen	(4 dej (40 %).h	Output	JENANN	Pow baco	me (\$MM)
Region and Affected	Sector	Direct	Total	Direct	Tobal	Direct	Total
Secremento Alvet		24.444	10421	Dit UU			
Agric., Frek, Fish		-10	-10	-0.4	-0.5	-0.2	-9.3
		-10	0	0.0	0.0	0.0	0.0
Mining			ő	0.0	-0.2	0.0	-0.1
Construction			_	-1.6		-0.6	
Marsulocturing		-10	-20		43.5		-0.6
тси		0	-10	-0.2	-0.9	-0.1	-0.5
Trade		-40	-70	-1.1		-0.7	-1.2
FIRE		-10	-20	-0.8	-26	0.5	-1.7
Services		-20	-60	-0.9	-2.8	3.0-	-1.7
Severment		q	-10	-02	-0.7	-0.1	-0.3
Misc		0	٥	0.0	p.o	0.0	0.0
	TOTAU1	-90	-190	-5.3	-12.0	42.8	-6.5
San Joaquin River							
Agne., Frst., Fish.		اه	-10	-0.2	-0.3	-D.1	-Q. L
Mining		ถ	Q	-0.1	-0.1	0.0	0.0
Construction		a	ø	0.0	-0.1	0.0	-0.1
Manufacturing		-10	-10	-Q.B	-1.1	-0.2	-0,3
TCv		اة ا	-10	-0.3	-0.6	-02	-0.3
Trede		-10	-30	-0.4	-1.1	-02	-0.6
FIRE		-10	-20	41.1	2.1	-0.7	1.3
Services		-10	-20	-1.2	-22	0.7	-1.3
Sewemment		0	.30	40.2	-03	<b>3</b> .1	-1.a -0.1
Mise		ő	ü	0.0	00	0.0	0.0
MINT	TOYALI	-60	-120	4.3	-7.9	-2.2	
<del></del>	TOTAL	7670	-120		-1.73	-4.4	-4.2
Tulare Lako		٨					
Agno , Frst , Fesh.		0	0	0.0	0.0	0.0	0.0
Mining		1 0	o.	0.0	0.0	0.0	0.0
Construction		Ć!	٥	0.0		pα	0.0
Marwiacturing		-1€	-10	-1.0		-0.4	-1.3
1CU		£	0	0.0	-Q.2	00	-0.2
Trade		-40	-50	-1.0	4.4	-0.7	-1.4
FIRE		£	0	00	-0.4	0.0	ra.4
Services		€.	-10	<b>a</b> .D	40.6s	0.0	-0.6
Dovernment		ú	a	00	-0.1	0.0	d.1
Mise		- a	Q.	0.0	0.0	0.6	<b>q.</b> ¢
	PUATOT	-50	-80-	-z.1	-4.1	-1.1	-4.1
Day Areo		•			<del>-</del>		
Agency, Frst., Fish		C	e e	0.0	-0.1	0.0	0.0
Minino		C	0	<b>Q.Q</b>	a.c	0.0	0.0
Construction		č	Ğ	0.0	-0.1	0.0	-0.9
Manufacturing		-10	-10	-1 2	-1.5	-0.4	-0.7
TCU		0	-10	40.3	-0.B	-0.2	-0.4
Trade		-20	40	-0.9	-1.7	-0.5	-1.0
LIBE		-10	-20	-1.0	-2.2	4.6	-1 '
Sances		-20	-50	-1 1	-2.6		-1,6
				402			-0.1
Government Miss		0	0	0.0	0.0		
MISC	TOTAL			-4.6	-9. <b>8</b>		.5.0
A 19 1. 5	TOTAU1	-80	-130	-4.6	-9.8	-2.5	.\$.
California Total							
Agrici, Ersti, Elshi		-10	-20	-06	-0.9		
Mining		0	0	-0.1	1 -01	0.0	
Construction		0	-10	0.0			
Mamiliaduning		-30	·50	→.7	-6.5		
TCU		-10	-20	-06			
Trado		-110	-190	-3.4	-6.3		
FIRE		-20	-60	-2.9	-7,4	-1.9	
		-70	-180	-3.2		-1.9	5.5
Services							
Services Government		a	-10	-0.6	-1.4	-0.3	-0.0
Government			-10 0		-1.0 -0.1		
	TOTAL/1	0 -2€0		-01	<b>-</b> 0.1	-0.1	-0.3

Table 24

REGIONAL ECONOMIC IMPACTS ON ALL SECTORS: AVERAGE YEAR FOLLOWING WET 5-YEAR BASE CONDITION COMPARED TO THE PREFERRED ALTERNATIVE AVERAGE YEAR CONDITION

	Impacts on all Sectors					
	Employmen			(SMM)	PoW Inco	me (\$MM)
Region Directly Impacted	Direct	Total	Direct	Total	Direct	Total
Sacramento River				_		
Agriculture						
Reduced Output	ů	-10	-0.4	-0.8	-0.2	-0.4
Reduced Not Income	30	50	1.0,	2.6	0.5	1.4
Yolal Agriculture	20	40	0.6	1.8	0.4	1.0
M& Water Costs	-60	-130	-3.9	-B.5	-2.0	-4.7
TOTAL 1/	-40	-90	-9.3	<b>-6</b> .7	-1.5	-3.6
San Joaquin River						•
Agriculture						
Reduced Output	0	0	-0.2	-0.3	-0.1	-6.2
Reduced Nei Income	100	170	3.7	8.1	2.1	4.5
Total Agriculture	90	150	3.6	7.B	7.0	4.4
M& Water Costs	-80	-150	-5.0	-9.4	.26	-5.1
TÖTAL 1/	20	10	-1.4	-1.5	-0.6	-0.7
Tulare Lake						
Agriculture						
Reduced Output	a	c	<b>0</b> .D	0.0	0.0	0.0
Reduced Net Income	-30	-40	-1.1	-2.1	-0-6	-1.1
Total Agriculture	-30	-40	-1.1	-2.1	-0.6	-1.1
M&I Water Costs	0	이	0.0	0.0	0.0	0.0
TOTAL 1/	-30	<b>-40</b>	-1.1	-2.1	-0.6	-1.1
Bay Area						
Agnodine						
Reduced Oulpul	0,	Ω	0.0	0.0	0.0	0.0
Reduced Met Importe	0	더	-0.1	-0.2	0.0	-0.1
Tetal Agriculture	0	. 0	-01	-0.2	0.0	-0.1
MSI Water Costs	-60	- 130	-1.4	9.4	-24	-5,4
TOTAL 1/	-60	-130	-4.5	-9.6	-2.5	•S.5
California Folat						
Agriculture						
Reduced Output	a	-1G	-05	-1.1	-0.2	-0.6
Reduced Net Income	100	180	3.6	8.4	2.0	4.7
Total Agricusture	100	170	3.0	7.3	1.7	4.2
M&I Water Costs	-200	-410	-13.3	-27.4	-7.0	-15.1
TOTAL 1/	-100 <sup>1</sup>	-240	-10.3	-20.1	-5.3	-11.0

Tare. [1] [14] and and analysis and the make

TABLE 25

REGIONAL ECONOMIC IMPACT: AVERAGE YEAR FOLLOWING WET 5-YEAR BASE CONDITION COMPARED TO THE PREFERRED ALTERNATIVE AVERAGE YEAR CONDITION

	Employmen	1 (F OI (964)	Output	(\$1114)	PoW Inco	me (\$NUL)
Region and Affected Secto	Direct	Total	birect	Total	Direct	Total
Secramento River	-					
Agric., Frst., Fish.	ه ا	40	ي د	-0.3	-0.1	ه ا
Marie - Carrier Carrier	0	1	0.0		0.0	a a
Mining		0		D.O		
Construction	0	0	0.0	-0.1	0.0	-0.
Manufacturing	•	-10	-0.7	-0.9	4.2	40.
TĊU	0	0	-0.2	-0.6	-0.1	-D.
Trado	1 0	-10	-0.2	-0.7	0.0	-0.
FIRE	-10	-20	-08	-1,8	-0.5	-1.
Servicas	-20	40	-D.9	-1.9	-0.5	, i
Government		ı ~ő	-0.2	-0.5	-0.1	-0.
+-·+··-·	9					
Misc	.0	.0	0.0	0.0	0.0	0.
TOTAL	- <b>∔</b> 0-	40	4.3	-6.7	-1.6	-3.
San Josquin River						
Agric., Frat., Fish.	a a	D	40.1	-0.2	-0.1	-0:
Mining	0		-0.1	-0.1	0.0	0.
Construction	0	ŏ	00	-0.1	a.D	ė.
Manufacturing	ıň	l iŏ	8.0	0.8	0.0	ō.
						4
TCU	0	٥	-0.3	-00	-02	
Trado	60	60	1.0	1.1	0.8	ů.
FIRS	-10	-10	-1.1	-1.2	-0.7	-0.
Serv <del>ices</del>	-50	.30	-1.2	-12	-Q.7	·a.
Government		0	-0.2	-0.2	-0.1	-0.
Niec	1 0	c	0.0	0.0	0.0	l c
TOTAU		10	-1.4	4.6	-0.6	-0.
Tullare Luke				1	¥	
	ام ا		0.0			١ ,
Agric_ Frst., Fish.	9			0.0	0.0	. 0
Mining	0		DO	0.0	0.0	a
Construction	0	6	0.0	0.0	0.0	0
Manufacturing	0	-10	- 40.5	-0.7	-0.7	-
TCU	0'	, 6	0.0	-0.1	0.0	۰٥
řírede:	-20	-30	40.5	-07	-0.4	-0.
THE.		0	66	-0.2	0.0	-0
Sonuces	ľ	-10	00	-0.3	0.0	ě
Government	l š		0.6	00	0.0	
		0				
Misc	٥.		0.0	0.0	0.0	a.
TOTAL	-30	-40	-1.1	-2.1	49.6	વ
Bay Area	, ,		1			
Agric , Fret , Fish	0	G	0.0	-01	0.0	0
Mining	a	0	00	0.0	0.0	٥
Construction	0	, o	0.0	-0.1	0.0	ب ا
Manulecturing		-10	12	-1.9	-D.4	رة ا
TCU	1	-10	0.3	-O.B	-0.2	õ
Yrade	-10 -10 -10					-1
	-20	40	-0.8	-1.5	-0,5	
PARE .	1 .40	-10	-1.0	-2.2	-0.8	-1
Servicos	-20		-1,1	-2.6	-0.7	-1
Government	0	0	-0.2	-0.3	-0.1	-0
Muşe	0	٠ ،	0.0	0.0	0.0	0
TOTAL		-130	-4.5	-9.6	-2.5	-5
Coldomia Total	1	1				
Agric., Erst., Fish.			ابي ا	-0.7	-0.2	۰
	-10	-10	-0.4			
Mening	9	0	-0.1	-9.1	0.0	
Construction	0	۰ (	0.4	-0.3		-0
Marwlacturing	-10	.10	-1.7	2.7	.0.5	-1
100	-10	-19	-0.8	-1.0	-0.4	-1
Trade	23	.20	-0.5	4.9		-1
FIRE	-23	-40	-2.9	-5.5	1.B	د-
5emicos 0	-70	-130	-3.2 <sup>l</sup>		-1.9	
Sovenivnent	l •	-40	0.E	11.D		
			-0.1	-0.1	<b>-</b> 0.1	-0
¥5c UAΥÕ1	-100	-250	-10.3	-20.1	-5.3	•12

TABLE 26

REGIONAL ECONOMIC IMPACTS ON ALL SECTORS: AVERAGE YEAR FOLLOWING DRY 5-YEAR
BASE CONDITION COMPARED TO THE PREFERRED ALTERNATIVE AVERAGE YEAR CONDITION

	•		Impacts on all Sectors						
i	Employment (# of lobs)		Output	(SMM)	PoW Income (\$MM)				
Region Directly Impacted	Direct	Yolal	Direct	Total	Direct	Total			
Sacramento River									
Agriculture									
Reduced Ontern	-700	-2240	-92.1	-194.5	-3D.B	-86 9			
Reduced Net Income	130	240	4.7	12.4	2.6	6.9			
Total Agriculture	-570	-2000	-87.4	-182.1	-28.2	-80.0			
M&I Water Costs	-60	-140	0.4	-0.9	-9.2	-0.5			
TOYAL 1/	-630	-2140	-91.8	-191.6	-30.5	-85.2			
San Joaquin River									
Agricuture				'					
Reduced Output	-10	-20	-07	-1.5	-0.3	-0.7			
Reduced Net Income	-140	-240	-5.4	-11.7	-3 0	-6.5			
Total Agriculture	-150	-270	-6.1	-13.2	-33	-7.3			
Mål Water Costs	-80	-150	0.0		0.0	0.0			
TOTAL 1/	-220	-120	-11.0	-22.7	-5.9	-12.4			
Yulare Lüké									
/igricu≅urė					l				
Reduced Output	ð	-10	-0.2	-D.5	-0.1	-D.2			
Redected Net Income	-100	-170	-3.6	-7.1	-1.9	-3.6			
Total Agriculture	-100	-170	-3.8	-7.6	-2.0	- <b>4</b> .D			
Mål Water Costs	0	0	0.0	0.0	00	0.0			
TOTAL 1/2	-100	-170	-4.4	-B. <b>6</b>	-2.3	-4.6			
Вау Атеа				_					
Agriculture					l				
Reduced Corput	Ð	0	0.6	D.0	0.0	0.0			
Reduced Net Income	-10	-20	-0.6	-1.6	-0.3	-D.8			
Total Agriculture	-10	-20	0.6	-1,4	-0.3	-0.8			
M& Water Costs	-60	-130	-0.\$	41.1	-0.5	-0.€			
TOTAL 1/	-70	-150	-5.0	-10.8	-2.B	-6.2			
California Total	-								
Agriculture					l				
Reduced Сиярия	-710	-2270	-93.0	-196.5	-31 2	97.9			
Reduced Net Income	-120	-190	-4.8	-7.8	-2 6	-4.1			
Total Agriculture	-830	-2460	-97.8	-204.3	-33 8	-92.0			
Mår Water Costs	-200	-120	40.4	-1,9	-0.5	•1.1			
TOTAL 1/	-1030	-2880	-112.2	-233,8	-41.4	-108.3			
Note (1) May differ from sum of	n'ements due	lo royinding.							

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TABLE 27

REGIONAL ECONOMIC IMPACT: AVERAGE YEAR FOLLOWING DRY S-YEAR BASE CONDITION

COMPARED TO THE PREFERRED ALTERNATIVE AVERAGE YEAR CONDITION

· ·		Employmen	it (4 m) lobs)	Output	(\$MILL)	PoWince	me (\$UM)
Region and Affected	Sector	Direct	Total	Direct	Total		Total
Secremento River							
Agric., Frst., Fish.		-450	-630	-26.1	-33.0	-13.4	-16.E
Mining		O.	۰	0.0	-0.1	0.0	0.0
Construction		Q.	-\$0	0.0	7.1	0.0	-1,2
Manulacturing		•233	-250	-64.9	-73.1	-1G.Đ	-19.8
TCD		٥	-120	-0.2	-16.8		7.5
Trade		90	-310	1,6	-13,8		-8.1
fehr,		-10	-200	-0.9	-22.7	-0.5	114.5
Services		-20	-500	-1.0	-22.8		-13.8
Gévérierent		0	-50	-0.2	-7.2	-0,1	-3.5
Mise		0	o O	0.0	0.0		0.0
	TOTALM	-630	-2130	-91.6	-194.6	-30.5	45.2
San Joaquin River							
Agric., Frst., Fish.		-10	20	-0.8	-12	-0.4	-0.5
Mining		0	0	-0.1	-0.1	0.0	00
Construction		a	D	0.0	-0.3	0.0	-0.1
Marolacturing		-30	-40	-3.8	-5 1	-1.4	-1.9
TCU		0	-10	-0.3	-12		-96
· Tracke		-140	-210	3.6	-5.8		-8.7
ld€		-10	-30	-1.1	-42		-2.7
Services		-30	-100	-1.2	-43		-2.6
Soverment		0	-10	-0.2	-0-5	-0.1	-0.2
Misc		0	Ç	0.0	D.O		0.0
	TOTAL/	-230	420	-11.0	-22,7	-5.9	-12.4
Tulare Lake							
Agric., Frst., Frsh.		0	-10	-0.3	-04	-01	-0.4
Mising		a	0	B.D	0.0	00	0.0
Construction		0		0.0	-01	0.0	-01
Manulamusng	'	-20	-20	-2.1	-27	-0.7	-2.7
TCU		0	0	0.0	-0-4		-0.4
Trinde		-80	-810	-2.1	-2.9	_	-2.9
C.EUC		0	-10	0.0	-09		-0.9
Sarviors		g.	-30	0.0	-12		-:.2
Generation		٥	٥	0.0	-0.5		-0-sl
Miss		G	٥	Da	D.O		စ္ရ
	TOTAL/1	-100	-170	-4.4	-Ŗ.A	-2.3	48.6
Ú <i>а</i> γ Агер							
Agrid , FISH, FISh		0 0 -10 0	٥	60	-0.1	06	00
Mining		Q.	0	00			0.0
Construction		C	0	00	-0.1	0.0	-01
Manulacciang		-10	-10	-1.4	-22		80-
тси		· ·	-10	-0.3	-0.8	-0.2	9.4
Trede		-39 -16 -20	-50	-1.1	7.0		
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TCU		-10		-0.8			-8.9
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SECTION 3
MUNICIPAL AND INDUSTRIAL WATER USE ECONOMICS

# MUNICIPAL AND INDUSTRIAL ECONOMICS

The municipal and industrial economics analysis is based upon the Average-Average tiered pricing scenario. This analysis is based upon the impacts to CVP contractors. This is different than the municipal and industrial economic analysis that was included in the PEIS.

The PEIS municipal and industrial water cost analysis primarily evaluated the impacts on the need and cost to transfer water to non-CVP municipalities. Therefore, the analysis included water costs for many non-CVP water users. For example, the municipality in the San Joaquin River Basin was based upon the Cities of Stockton and Fresno water costs which are not based on CVP water, as described in the Municipal Water Costs Methodology and Modeling Technical Appendix to the PEIS.

The analysis included in the following table is based only on CVP contractors in order to define the cost of CVP water under the Tiered Water Pricing proposal.

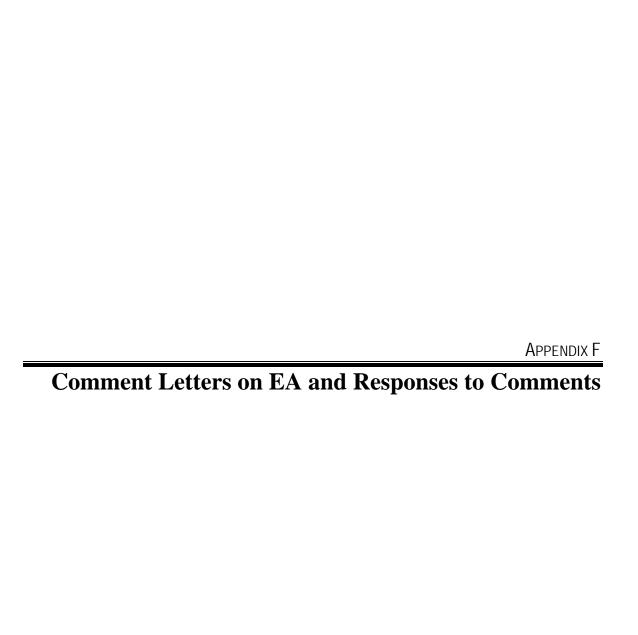
TABLE 28
SUMMARY OF MAI ECONOMICS ANALYSIS FOR AVERAGE YEAR CONDITIONS FOR REGIONAL ECONOMICS

Preferred Afternative	Change from the Preferred Alternative Aver-				
Averaga	Average Average	Dry-Average	Wet-Average		
929.0	0.0	0.0	9.4		
1024.0	0.0	0.0	0.0		
7D4.D	0.0	0.0	0.0		
5921.0	D.0	0.0	0		
1.1	4.1	4.3	4.		
3.5	4.6	4.6	4.		
0.3	5.2	5.2	5.		
549.0	0.0	0.0	0.0		
	929.0 1024.0 704.0 5921.0 1.1 3.5	929.0 0.0. 1024.0 0.0. 704.0 0.0. 5921.0 0.0. 1.1 4.1 3.5 4.6 0.3 5.2	Average         Average         Ory-Average           929.0         0.0         0.0           1024.0         0.0         0.0           704.0         0.0         0.0           5921.0         0.0         0.0           1.1         4.1         4.3           3.5         4.6         4.6           0.3         5.2         5.2		

## NOTES:

Water transfers not considered as replacement supplies in this comparison.

- (1) After purchase or development of non-transfer replacement supplies to make supply equal demand.
- (2) Total costs include replacement supples, restoration payments and matering. A negative cost means a net gain is estimated.



# Comment Letters on EA and Responses to Comments

Letters commenting on the Draft EA and the Updated Draft EA are reproduced on the following pages. Each comment letter has been assigned a number (e.g., Comment Letter 7) and each specific comment has also been assigned a number (e.g., Comment 7-4), as shown in the margins of the letters. Immediately following each comment letter are Reclamation's responses to the comments in that letter. The responses are numbered to correspond to the numbers assigned to the comments. Where changes to the EA text result from the responses, those changes are indicated with revision marks in the text of the Final EA (underline for new text, strike-out for deleted text). Comments that present opinions about the project or that raise issues not directly related to the substance of the EA are noted without a detailed response.

The Draft EA was distributed in 2000. The Updated Draft EA was distributed in 2004 to those who submitted comments on the Draft EA. Most (15 out of 18) of the comment letters commented on the Draft EA. In 2003, the Biological Assessment/Essential Fish Habitat Assessment (BA/EFHA) was prepared for the Endangered Species Act consultation for these contract renewals.

No significant environmental issues beyond those already covered in the EA were raised during the 30-day comment period for the Draft EA and the 30-day comment period for the Updated Draft EA. Comments received on the EA did not indicate new significant impacts or significant new information that would require recirculation of the EA pursuant to the National Environmental Policy Act (NEPA).



# LETTER 1

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# **LETTER 2**

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Dear Mr. Snow

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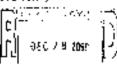
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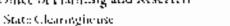
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# LETTER 5

### CITY OF REDDING



#### CONTRACTOR SAFETY OF THE PARTY OF THE PARTY

The district of the second of

December 4, 2000 Wildelands 300

Mr. A. Cand shi Burona of Recomption Mr. Partis, Boyrin 2000 Costejn Way Switt recein, CA 95805-1906



Contain Condec-

Subject — Shall France in order Assessment for the third single Purpose Report Sharps and J. Toolie Contracts.

Thank you to the one should be even medicarmout on the Oracl Environmental Assessment for the Tong-Tong Control. Released for the Shasta and Tongy Divisions. The IShasta and Tongy Divisions of the Shasta and Tongy Divisions on the Shasta and the system related water supply with good quality water, and our death escationly that much at stake in a packetsful volution to the waters grossing water needs.

The City of Healthing (Ofly) is in the process of reiner, cloth outes Central Valley Project (CVIII) when it is cloth to the conditions and the competent of the store, for 6,140 pereinsel of when from the Spring Orden. Condent Sactardance also the Toyor Pryeller. The City has reasoned about the translationary, remarkable of a complete store and control. The City heapter of a competition of the Dhalt Environment in Assessment to possesse of the competition of the Dhalt Environment in Assessment to possesse of the competition of the City he event that there are an expectations that have to be adoressed and environment for the Spring City of the City heapter of the Spring City of the City of the Spring City of the City of the Spring City of the City of the Spring City of the City of the City of the Spring City of the City of the

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The Environmental Assessment should above so the Indian with item A valuated 25 years for all the Situation of Transport of Consent or analysis. The Environmental Assessment should to consider the effect of the light region of the contract or non-relative waterfer of course through the contract or acting water contract, water manalers, or the index so the forecould Recharation (Barrey, country prefer and the Baseau of Recharation (Barrey, country prefer the water study of that will be required to the Baseau of Recharation (Barrey, country prefer the water study of that will be required to the Province of Recharation of the Baseau of Recharation of the Baseau of Recharation of the Recharat

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important contraction in secret conserving M&I authoritate on the Mississed by the four article in CVP age injection. The repeated content is stay part containing the major returning by CVA is been contained. M&I wave quasity, and the M&I rate opening policy have not seen determined independing to the flat return of the M&I rate opening to the flat semiclarity policy with the policy and semiclarity and semiclarity.

The Environmental Assessment should unifyze in further defail the impacts on the water consisters (Amny Auter from Whistopyteam ). Remarks that projectives (Amny Auter from Whistopyteam ). Remarks that projectives (Amny Auter from Burnams Trefty Flore from details on the Serv-expending change with a monage of the profession as the decreased flows recognised with the profession and a control of the profession and the marks outer through a control of the profession and a control of the profession and the marks outer through a control of the profession and the control of the profession and the profession and the control of the control of

The Cuktoma Depth intentiof Meutin Services. This diot of this givener (NOHS-9DW) which has printing entertained in expansionly and intentioned the Common water quasily and mentioning states are the Selection Theory District and should have had the appoint not off-one common with the Criff Environmental Assessment. The COHS DOW has the laditioning of entertainment of the THE Selection Theory District Contractors to proceed with a cite with Javanov state of the Country District Contractors to proceed and acres with Javanov state of Javanov Contractors to proceed and acres with Javanov state of Javanov Contractors to proceed and acres with Javanov state of Javanov Contractors and Contractors and

The Berk sulk projectation reproduction; should promote, reprospectings, goodwalar management is locals such as conjunctive use, water handlers, and water temperature. The Bakeau's Applicable to the trapementation to bought priging in Costagory 1 as a Calendary 2 water in Wichnahme 3 is not built from the contract negotiations and should have been detected from the Environmental Assessment.

The following income stone as were noticed during the Orall Engineerical Assessment remain

#### Secretific Water Supposes and Facult its ordinations.

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Mr. Al Carec, shi September 27, 2000 (1 - 3 - 4 Page J

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Falled 7.4 VSHISE PRICE CONTRACTORS WITHIN \$11 COLCO 54457A.
AND TRIS TY CIVING QUS BY SMI CATEGORY (1) (4).

The Service Connection Caregory has non-noise City service area council on the land that the Query proportion services was interesting 4 207 years on anotherwise the Reckey's contact consideration.

Take 4.3-5 DECYGE 89 OF TREATED WATER TO WARD STOMERS BY MS CATEGORY (ACRE FEET FER YEAR)

This Service Controlled Sategory also has the entire City service are enterted when the werk said and the Bucking continued are noted as the enterted which City totals as Service. In 19th the are incorrect except for the Incost of Lategory. The information that the City submitted to the Department of Warm Person sey (CWIT) is 1994 to not the interception total field on the table to incompany and could be stored to the DWR reportuse to acts feet not 20,00% screening the residual project of the Service of the bottom of the table is so, the James beginning that the CWR in 1994.

Liber 4.) 5 CVP CONTRACT MAXIMUM, Már D5 JIVERJPS AND ESTIMATEO COST (1994)

The CVP Contact Notine han gaze leng stred in this tuble is number the Cry's Buckeya contact obtains 0.140 and fixed notine 9.250 acre lengue, toted in the factor. There is no Polkang contact sets from particulated in the Buckeye conduct area as standard number the trust.

This test contains the test paragraph on page 40% in and conjugate <u>a congount to gifting well as</u> to provide that only a relatively soot paragraph is the Congot Reprincipal W&L same power testing (450 million 150 million

The City of Reading believes that being in the area of origin of a monomental mater supply, the Bureau firmage the Environmental extensionally had displayed in product a continuous and permanent suggest of earth for the City and the Shasta and Timity Dission scattal test and fundamental research, was procedured; for the City and the Control of the C

If you have any questions of need aried over when not an elegan consecute as [500) 224,90 fc.

Secretary

Mike Hoperison

Patric, Works Manager - Water

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#### property and a formant patterns of the act that large 2000;

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### WALTER P. McNEILL

SATURATION OF SAME

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Al Carolisch U.S. Burgard of Reclamation, 2003 Cottage Way Sociagnes to CA 19825-2868

20 Negystose and Coprometate of Casto Cook Community Services District to the "Court Precioenzeratal Assessment for the Long Terry Courtaint Sensival or Starta and Printly Divisions"

Dear Ms. Kom and Messus (19dt and Candins).

This letter condities the response and comments of Clear Creek i expansionly services. Partiet to the "Perfit Tex organizatal Assessment for the Legic Text. Court of Received in practic run. Triplity Divisional properties for the Legic Text. States between of Rechampton by North State Recognizes for dated Occur. 2000. Services for Oratl Factor at groups) application to the Shasta and Text. There exertains are functed to the court of their Creek USD as an endocated District, these contractors are darented to the court of the restore Locational product to 1.1 (Sect.) Though white service Contractors (achieve of Clear Creek USD), assess where these constraints are species (by mention Ocean Creek USD) by assess (Olivic NP Commentum within the Should and Turnly Divisions Layer or well by subscriping their own comments to the Text. The contractors see that

production of an amount

Courage a CSR and Secretary of the court of section 5.50 May 27 May 27 May 28 May 29 May 27 M

#### GENERAL COMMINYS

A general observation and arregopalde containing that must be corderable. The contenting this Bodi FA, is that it is so surrounly through a to be the form and inclinal content than a field to should be NEPA requirement, as for each contract to such a field. Through Clerk CSO is only a topy part of the overal, Central Volley Project Clerk to be very serie as of the necessity for adoptate even consental resonance the each of federal returns to being term represented to the contract and the high form contracts of the coher works great expressed of the contract and threely December Clerk to the form that a some mental and the surface of the coher works great expressed in the Shasta and Trienty December Clerk to the contract of the Clerk to the Clerk to

#### A. The Process

The proporation proges for this Diag LA was varietily designed to had as a my ligita of Reel protectiv isombrose delacting completing the Persylaminates Epoperation(4) Corport Statement (PPIS), coupled waits feeding absorts latture to pages agreement is all the CCP Contractors on a UVF wide fermiod contractors. appelies to 8 but non-area with page to their while North State Resources (RSS) was based to people our an excession and this content under Reclamation's self-reputed properties that leaguests transval contracts, most or made in long to be sugged by Sur produceral Kilotori Aliministrator . Al white appoints to Sec. [10b hour] NMC was directed by Recommitten to prepare a Draft FA, even though their was in-CNP woods from all communitarial distributions by the of contract for the Sideal Heaville Devestors instacts less day and hydrod form of proteins for the indocate disease. service copies (loss). Using finite infamination (a great made kitchen to Note and Reclargation early one NSR upon prograf crocks purposing a discussing which genforphy to the form constraineds and negotiating products presented by Regurantion, at the expense of playsiling adequate substractic engrormental review

In the mediatable costs also disclaration update only terminated & VP-walle region thous scalarood agreement on September 22, 2009, the Seastar Friedry Discrepts to search of the historian courteing group? Seconds with Reclaration representatives on September 27, October 2, and October 12, 2009 as well as formal regionality executions. October 28, October 22 and October 12, 2009 as well as formal region along a sessions on. Other and grown really effect by the Contactors to conspirate with Realizations of the traject to be after the the Contactors and to the traject with Realization is fare traject to be after the October 2009 and the forth that of CVP while usuals at the same lines that dispenses were proportioned Navariation 2, 2000 hard been declared by Realization to be the first dispense of the same final contact of the CVP while the public residual traject to the CVP while the public residual trajectors to be the CVP while the public residual trajectors to be the contactor and the contactor trajectors to be the contactor and the contactor trajectors.

LETTER 6

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as execution by the Conton Administration. At the carcifosion of the Section 46 Valley Pressure is important on Nijequities 2, 2004, a though is the valve receasing parameter to exist a continuous with suggestations on an accurate following translation of a fined on would form at contact, and a variety of UVP wide receives remain outstanding.

Naw first that "drop dood," three too passed at a solgar that in terminating contents with the moving the water serving in 2011, and long tenter removal analysis will have to be movined with a raw preparation. Administration. The the District's November 7, 2000 letter to Reclantation Region. Director to seek trapearing a new interior removal contract, copy administration as Using 17A.15. We are now administrative removal contract, copy administration as Using 17A.15. We are now analysis a time deading that is no longer relicion. The patiental approach, project the corporation of proposed with the modern agreed upon too moving the Part 14. Approach copy and partners may be designed in an agreed upon from of sportract at 2001. Plant rewrite relicions to the support the EA to in the discount and score to supercoard telescope. The 5 betters suggested that I locality above and NS3 do a earth. Best

#### Ujrenter and Unlawful Jovernoration of Environmental Decomposits

Regardless of whether Reclamation takes the asystmatic step to defer head repairs amountal test any south actual regionation of an agreed turnal least of contract, to Be became regularly with the nutreet document and process, the obviolar invage of the strate Contract and environmental decagonity with have on no discomposed in order to adoptive that applications operating path review. As usited in Chart bank's Navandor 7, 3000 bates to Mr. Some, both the Laderal organisation, are dispertly and that ChQA grouping that large term frost and represent should not be prepared until Sign there is an agreed by so hear of coeffact. Patriotenate with the contract degetations for Landton basepersysted in risks and subsingly behinding interesting in partial constraint progression (Article Act) that explicitly recondensates the envertamental absorbants as <u>contract as for the</u> . The envertamental documents and constraints they amove are enforced a musule of Pre contract pursuant to the relevant environmental laws the INFPA (SA, and CEQA) territoric mortiging the environmental deer ments into contract terms. In proventy the in More ing to become attacks (as major deleral actions) and common annual documents religious graverer thave invariant and discoverity to expose gentiagly a revenuels. The effect is treefold. (i) it allows Zer anutism and position lady) the V.S. José & Weldlite Service to mediterally coeff detailer. instead to the catalations, and primaries for Contradions to hillow, as certified concepted, even though facings to regonation of this partial of the contract, and 2: If allows Red matter and last & Withfile provide to threater Committee with the "death so derect" of contract terminal and the Contracer tark with my the Jungtiers onlyterally places in the environmental discourants. Toothey as we have seen from the Dislogatal Cymacic leg the interactivenessal atortacts, there is: not the slightest hestianian by the US. Esh & Wilalize between a diffeoint morniouse this foliable thicks to encorporate to the environmental governments a mallimode

Caraca Kuli, ANC and Proceedings of the Superior Of Registration Page 1 Page 1 Page 1 Page 2 Community Superior and Community of the Community Superior Design Community Super

of highly specific directives a most of exceeding broad ranging contriction centrel over water service Cook securi

Patting usade for the adopted the Contrational periods that Reclamation and Style and Weldlife Service love no legal authority to bootstop our transmittal illustrated auto contract terms of Court local government agonly point is, the sesulting contract standard becomes a never coding "feedback loop. Ingreat compensation reviews. That is, (1) a first thinkly agreed again forch of contract is possituated for the parties, with a provision Publicating of the (Ne ePetritorica) all disjunctions in contract teams (2) invisional social in convers carried out on the agreed again from at contract, with environmental documents propored by Reclarette enand first & Wildfile Service which contiferally inject minicipals now and detailed contractive) correspond by virtue of the authors directorey incomparing into the greepenging that december (3) the parties the hoters before an agreed upon form of contract, because Reviewation, and Lesti & Wildhite Service have maintenally dealtred is agriged major partness of lifer contract by drafting the cas advisemental. disconnects section of Tilks conferent, (4) though the parties no longer have an agreed apple formed centries, they are free to renegotions. The centracin probability flavoreness undated to drained and inserted by Rectanglian and Tish & Wildhir Service. altrough property on of the energonizated documents; (5) programme of that contract his powition rectainty, particularly school the high & Wildlife Service leavtypes given the host expositionally to flicing up to its reputational markitmally insect. sources; inhibitory and averreaching contact directives, (6) the new and revised agreed upon form all cantract, after a second model of negotioners, will require new entriconnental review, 131 we begin again.

To per this as continualing compile, Reglamation has guidished a form of contract for the CVP recently augh it board been agreed to by the CVP Contractions. selagia pyrryddy to incorporate the totacy encocenterital decontribts 45 contract termy. The Site Specific Hielegien, Gymeini has ark even been prepried yet. Pough that is gritting underwee, again with NSX as consultant. Assuming past and callons hold true, it is likely that the Broughtal Opinion will braide a directive that autorizationly occurred prior review and approval by Rechmotion and Fish & Wildlife Service Detore Clear Citiek CoEl provides was into land in the District that previously has not received water secrete. Such a kin trackinal processor would be an uni paful psurparma di Chen Umpkis logal garginerari agging provers, anti il vonda place the District or highly operaty to languages while could see the District to tails are to paramptly perform its anisotocaetomary in an defeal disty to a toxide scates. service. Clear Creak to most say that there is an agreed upon begin of contract with-Reclaim Steen and Josten Prigotication of the contract that after all has an opportunity to research teach and acceptance begans amounted to mention the contract by a Site-Specific Hodge gal Opinion. If the story less about provision is inserted in the Thological Opinion for Client Crost's grapt contains, the Costruct will rectainly must opon removal, and reaggetation of that term and and other vanishity documentary, Series. Amether record of argentations would follow: to be followed agont by new orsea well not or potential petiety.

LETTER 6

Course Story NASC and December 4, Con-Pulared Edit and ALC 2 which, The Horona CH Berlamanon Page 1 Res., Response AAA CONTRACTOR of Union Conde Contamings Services Matter?

Acoustic example, this time provided by a test expensive with the internal secured centracis, concerns the directive by Neclamanon and Pally & Wilchite. See an distipations were be obtained before applying impation scatter to tooks which test ratios for firey years. In a letter to foretine test dated into 6, 2000 foretainstoned or reduced compliance with this disk toe. After a standard many protect from arrigation Condition in 8, Reclamation with letter is demand in a letter dated. Many page 15, 2004. And the while, the Contractors compliance with their internal received assistance in both aerospoticis the internal contract Back good Opinion is summan terms. Thang in the batterie. Thus the Contractors and Reclamation in larger three contractions to the contraction fast.

Reclamation Suggests that the Criatactors ignize the filegolders of this process and essentially provide Richardton and high & Wildlife Service carie. However, analysis of violating contract topology and king of this environmental despite its Too. Clear Criek CSD is cowelling to Ca. The District (high essences for rights to reject and larger the any contract terms created through the disting at environmental decements. Further, if his even and religious the District's position that Activity Device Section than a "proposal for CVP contracts" is confedenced to the Activity Device of a matter to be invested in further progetations with Recharging ——

#### SPECIFICCOMMENTS

The festiments generally are substituted with the expectation that Regioniation well active good carte and argueby consider cost respond to these enjorments with appropriate recomms/solepting at the environmental discounted gradicián que paratira das las Privacion insertale hagaign Statement), executal trasiproparation, 62 the environmental document must be delerred to a later date. It Childle to noted that Chart Creek CSD provided Beclamatine and Nell With a detailed Lat of issues recorded whose propagation of the Dialit LA was in progress. (see lure) of October 3, 2AC attached bering as Exhibit 101 fills to respond to the goests raised. Actordingly, as the first communities the Draft (A. Clear Creek CSD) asks that Reglauration respond to park and pages pend resed in the letter, whereing by page parables and took to any information on the Dealt &A, if any, which Backan attende leeby is responsive. Next, Coar Creek's somments are referenced. below to page 20 of this and thes (or subject) to the Draft VA pertaining to the substantive countries which follows. Finally continents are submitted in thing to the traicity of Redatastant and NSB to follow the scape of Work for preparation of ilw l'Al

Faura Roje, NSR Lead December 4, 2004 Ledgigt J. Franci Al Constitute 12% Bureau (2) Ros. no. 10% Projects 122(2) in Mr. 1867-95 and Constraints at Chart track Congregate September Decimal

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1	N/A	If Coverespond to parly and energy point coved in Clear Creek (NO's teller) of Orlober 3, 2000, attracted from a fidulating by page another and text day infantistion in the Prail FA which Regionation, body as responses.
2	101	United "Introduction" the Deaft I'A periports to device "The iriquets and benefits of long term represed of scales sees and replayment contracts with the rarie CVF water service contracts state the property of the Stade and Levely Basis and "This missions the purpose of State into contental twices Geometric missions in purposes of the into contental twices Geometric missions in through some of the Sharto-Trenty Davision Contractors between the purpose of the Sharto-Trenty Davision Contractors between the selection of the Sharto-Trenty Davision Contractors between the selection of the Sharto-Trenty Davision Contractors between the selection of t
		A copyr that their tons throughout the Drift E a settle latter to distinguish between contract provisions that are part of the agrayment resistants their by the Contractors and provisions which are by up angularly on the table; springer analysis held by contractors. For example, the trop acre threshold allowing application of up recibility as a part of Clear Cyrek Collis repayment contract, and a section to be negatived in the vare; service contract. Adequace on insurance if review control for some of Recibility and control of the following of government of the feel of the control of contracts, and differentiates between the feels being negative in this water some proper recibility and the feels being negative in the session of contracts.
3	10	In electric legition references in mental response Contractors' and proceeds in last them. There are, only eagly logal natures are agreedly lasted. Personal the Shorts County Water Agency and the Shorts County between the are only one legal scalary. But the my (Shortshi, Indianasymment the last that there are how contracts both she County, which the County admissions in two delforces waigs) to addition a wey inspect of ages notify has been found to a dispersion the Dreit PA alings them. that is, Conference in County Sciences instead.

Lucia Kuli ASB and Definition 4, 2000 Inford 2 full and A Candlash 4, 8 Europe Orten Land on Page 7

Kei Benganar and Commetts of Case Greek Community Services Described.

v Guitti (Marita) Zar (Mari No.

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3 0.000 m Centerville CSD is a 10000 Med wat a supply provided to st building result also in Appropagation area in between Clear Cases CSD and the City of Redding | Controville CSD bay over 1,030 Mfcl service corning from saving id-10,000 in seces (analythy) and so was key area. (50) \*/ activities to flammal measure new 200 auto front excluding new contract leggle USBR, and 25% digitizated gapacity by contract in Clary. Czeckis e gandes attranoa plani. Historicalie Centerville CSD has been call only dependent opin CVII water supplied by caller or both of Class Creek CSD and the Sharta Unumy Water Agency - <u>Ad</u> of Centerville's CVP tester is filtrard 25d fronted through Clear () gold it justifies glant, from water the wered through the Muletawa Confur appealed and maintained by Cleve Cark CSD. Though Conjervide has accently obtained a construct with Recompation for a portion of its words supply, as a result or the remaya' of Saeltyer Dancand settlement of It worstack i lat Water Grich Rights. Centrophic will continue to responsible bronal CVF. water supplied culture flavough Shasta Chardy and Jen Clean Courk CSD Clear Cheek CSD's exemple water service control resolutions. gravades he water of CVP reater existate of Clear Cress 8 in undarg to provide writer to Centroville, without those walls bring gapspleggy and painting from a gradibility in traffic forcat water when a a zather categor textoger tailing CVP contactly. (See Article 27 at Clear Crick's gapong Internal Berg and Graduct is

Contextilly is the factory growing water segmentagons y arroing CVP switer, the biological gapages and apparent born the Rodong unit in area. Hereing Centerally CSD has been and will contince for the dependent upon CVP water supplies decired in the feel contract in the DOM EA. The imports is account. Vertical forth wat of the imports is account. Vertical Service Angels and Clear Check CSD are passed through about a Centeral CCC. They shall be the Context of the Sol. They shall context a day a bings following in the Parish Context of the con

Count Kill (1988) and Percenties (1996) Appendix of Control (1996) Appendix

renewal of the mater stay on contracts.

POSITION AND THE

COMMENT

1-1 Section 1.2 of the Draft FA invitors is because to Section 34(4); of the CVPAN performing to beneficials of foods form on thods 4x of the section governed the entirety of the ways across contracts bring rearise of the last, the quarted victimized CVPEA access the scatter service contracts only meadure as the contracts provide for a gipenfoliate water service. Section 34(4) is the CVPIA is not applicable to the victimization of the water service contracts insofar as they provide for MRG tower service. Is governed by the 1903 Acr. the performing point to of which are set out to Talmott 10" attached he benefit as they growned of which are set out to Talmott 10" attached herefor also appeal at 11 g Arranded grid and agreed to this.

distribution. The distance that there are only of Mikitisch are and Ag-

service is of cotical requestance to an abstrag the leng term.

For Mild service, Beelamation prioring Edges that the Contract of Live in absolute legal right to storewise legal tests retreated, and the Carl Turn for contractival retreated of Mild water service is 10 years. For Ag service Beelamation contends that the quotest rection of CVTTA testame only the 25 year traceout with future concesses subject to the discretion of the Secretary of Interior and a cap of 25 years on line discretion of the contract the Ag water service Contracting disputs Relationaris produce, and the excess in cycle of the excess of the disputs the disputs the object of angles of tendered the depote factors in Relationarism and Agreement contractors as to the tenavol captable to Agreement obtains which subjects and Agreement obtains which water supply for Mild sets we as of interest of a disputs of the disputs of the disputs of the water supply for Mild sets of supply but Agreed to a disputs and peterstally carefulate source of supply but Agreed to one to the

Long lettra capital investments are necessary to soften either Agold MMI where service. The differential treatment of Agold MMI water service in a mixor structurative for investment in facilities which supports Agold sections contrasted with a lettraffic measurement in relatively agold the future MMI water supplies in the recontrast in relatively agold the future MMI water supplies in the exertine (16 Turanational AgolMMI districts) - silver Creek CND and Billia Visia WCO order in are, govern a buggenument to accept the Decrease from agreed that a contrast exercise the transfer from agree that a voter is negle to MMI service. The Districts faithful to accept the flow of the form and MMI service of a major sectorizery of this environmental distriction.

Los as Bulls NAR Anal December 4, 2000 high of Blob and Al Constlick, T. S. Bone 1, Of Reclaration 1999 1999 1999 Rel Respond and Commission! Class Crock Community persons District

CONTRACTOR OF STREET

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Amilia to

Algebring emission in this FA is its fading to address the families of status of Cicar Creek CND and Belan Vista WD an what implet becalled "transminal AgeM&I districts". Clinic Creek, for example, currently days about four-thads of its CVP seater by Agree ter, and about one strict as M&I water, by quiptity, about two-fourly of Clear Creek's costoniers are MAI austonians, and about one-third the Agrenatoraets. Botta Vista 3410 fest situator propriatory. Edito-Clear Creek and Bella Vista Lave contracts (vt. 3) allow 190% of the genthal Clistal to be used for MBd vester vertice, and decreased of special pseudospop is required from Rechmation to allocate the Water Between Agrard (Saltinger) Both Clear Creek and Pel/4 Vista ation gare that over the long team (2) years to 10 years) MMI dauge. well become the domain multiliner archesively farm of usage or their CVP scatter. Both Chair Cook and Bella Visita have made rosyncapital mentiling its in dominating breatment, storage and distribute o facilities to accompositive the merge sing littlete. allomateds for M&F reater sees well Both Clear Circle and Bella Vistapyrowide 10% is putable switch to their costs only, regardless of schelber the wares incorrectly put to Ag or M&Calogo - builder, Shough about 6.01 of the 107 k VP securing to up for personal base. some time that are of Ag and Med service, going of those contractors to their thorn Coper Creek, and Bella Vistas bare, a postero or evaluationage in which the good most form of alsage is his strate. 967 and the subsequente term of usage is greater than 10%, some of Blic Stand 112 Control Surv. Easter made substantial registed. coverstoomers in facilities for no reasing fatige. Mike usage of weeterstrat consently by characterized as Aglawage, name of the other \$12. CMP Contractors would assembly themselves as a "transitional" [Ag/MMI Costel \*\* Out of approximately 1/2 CVP Contractory.] contents, negetiating long from contact represely only Clear Corel-CSD and Isola Vigta WD most this position

3 Hog Digit § A say, a short obey pathing about the mample water assignmentate of Cloud Cross CoD and Bello Victo WD. which tage for account for over 20% of the CVP contract quantity the contract subject to the order in Subject and Laurey Divisions. The major mater usage proble of Clear Cross and Bello Victo is refull known ogto to Registration and NSR. The Grant PAs turbure to account to the unique experience of the Clear Cross and Della Visto is an emissions and indexedual to mission which underests the validary of the SA.

There Kall, NSR, and Tax-alloh, U.S. Poteon Of Bocker atom Page 12. The Page 12. Th

constant NO	:17.	377	CONTROL AND
ħ	] ; !	1.0	the Table 141, the reference to they of Shista Lake shows a contract or informed WTTSTER), that should be WTCSTER. The quantity shows for Quy of Shista Lake is 2.750 and then, that should be approximately 4,800 fore feet, so we first of Shista Lake is seeking recrewed in the conditional contract quantities under our laws many quantities to refer a water contract many quantities to refer a water contract many and the information which the proports to refer a water contract wantable made information with the proports to refer awater contract wantable made informational common for the proports to refer awater out of the Shista Lake divided by 2,000 footh on option a respect the balance up to 2,750 acre feet on approval by 0,8584. The reference for City of Shista Lake showing first the restriction to the second of the City of Shista formation City PLD and included its factor to the second and the table represents that the two torus contract on the challed in the cooling afternial concentration of the City of Shista Lake and Zeel managements to make an about 4,800 acre test.
7		17	The reference in a control marrier for Clerk Coron and pure Service (District in Table 5.1 stocks Le 489A125 (etherworther)).
4		: 7	Again the relevance in "Kessack County Service Arest" is a substanting front as a subspectful to be a separate entity from the County of Shasta or the Shasta County Writer Aggrey.
4		۱.	A major omission under Section 1.3 (Basis of Central Valley Propos) Waited Service Contract Baness (s) is the failure to one the 1905 Act for Mikel waiter service. See Eshibal "C associated briefo."
10		1:	The fell owing statement under Section 1.1 contains assertions soluble are made adapting take and dispated. The CVPIA is laded a right of relieval of long form regsyment or water service contacts for a term not to exceed 25 years but the Sections that is not contacts for a term contacts for succession contacts for the reference to "repayment contacts," is instanting in the other temperature for the position according in the other forms to the succession of the position according to the long term repayment contacts and contacts, and the long term repayment contacts are adopted to the consent negation in The Secretary play of many in 4 money and in the contacts of the secretary is take modular as it references M&I usage allowed one of the congression that the adopted and prepayment considered by the few the
			procedure references again altitual acuter services, it is shopped at the fine Contractors

Tactor Korn NS(Cover) The Control of the Cover of the Co

engint	IASTO IACINO	, comment
···	. 15   	Its reference to the City of Shaste Laboritis stated flow [In 1978, the SDAPA, it and (C.P., 2) contracts peer morged justs must leavy to account at 1. This is follow that day, the Section City Public Unit is Defined State (SSAPAPA), and for relater masses control that as SCPCD was assumed by SOAPAD, and for relater masses control that as SCPCD was assumed by SOAPAD, be assignment, for progress of 2 homostactura, two contracts remained constanting, citing 2 homostactura, two contracts remained in standing, citing 2 homostactura, two contracts remained in a standing, citing 2 homostactural by SOAPAD. The two long to incontracts the reflection of 1985. They were respected in a contract by a series of temperatry contracts must be 60° 2 - 40° 15° (sides 3 - 60° 2 - 40° 15° 5), then 3 - 60° 2 - 40° 15° 5. Then 2 - 60° 3 - 40° 15° 5. The state of the contract of the Soarch of Soarch Laboritation were good at all the acceptant of dispositions and Soarch Laboritations.
	'	4. (A) acro link as separated to the Droft EA) —1
		The statement in the Draft LA that There was no eight to renewal association, as patiently false, there was no fact an absolute legal right as successive repose renewals parsagant to the 19% Act. At the tally these short terms tenewal councils were excepted both the way process. WITTA) California was expendently except drength could out and thirtee shortings were being imposed by Reclamation and of UNE mater interests outraction. For these short term extensions of their material contractions. For these short term extensions of their material specific contractions to their water springer the SDAFTD appears to contract positions that long at some 2,500 p. to long falling the thought in distance. Its absolute the CDBR in modifing the 150% cross 1. Output of that a draft this best been proposed to be received 1988 as which allocated 1984 as the particle of the core feel to SDAFTD based on its demonstrated to one people for which shorters. Nowever, in this Draft EA is their appropriate somether are seen once to the corter ETS.
:2		In 1970 the Circ of Social state is as injecty grated and for water become contracted trights of SOAI JO and SCIT District assumed by the Circ. As no time the circle feet was an appropriate contract anticolists for a segment relative for the Circ and the contract income for large time contract relative for an appropriate contract anticolists for a segment quantity during the drought only as an accordance of quantity during the drought only as an accordance of partity during the drought only which a long term contract to Rectamotion during the drought which contracted in these males the deart Pio war completed. CVP26 was crucical in 1993 and over thought the interior serveral contracts have carried interior of the again of spantiary, the Circ has contained in demandant of the lagger of spantiary, the Circ has contained in demandant expects the long is not recover, contract to provide approximately 1900 are ten of water.  The reference to Clear Crock Community Sciences District in accordingly approximately for the surface of page 1900 and 190

Canna 2005, Nest 1964 Beglond Hoff and Al Carolich (1.5) Harvin CoRegium, nest 1965 Beglond Geograph Corolich al Char Crock Cummung Sercios 1985; 11.

nervator	Mark.	LONGS 1
ï	(-5 !	Buy start dight Clear Cleek ChD's postal contains south the foogal opacer angot price ded for delivery of Top 167 Prices are first in CNP water. This is not received. In traffic Clear Crieck (SE) was together a for facept and pay 1 to 17 100 or later objected to \$5,000 or acre tent of CNP water clines in the govern contract spheriter. Clear Crief, used the water or right up in the time execution of an interam reasonal contract effective January 1, 1005. (CNPIA effectively producted Topograph and pay) reading the granten criticists the those which governed Clear Criefs for 10 years.) Though the District did not in left paying to water worth a del not one for My years. The pay ments were regarded as in "investment" in the latence is allowed they of that water lay note M60 and My purposes to med the demands of finite growth.
'1	1.5     	As noted usable the releasing to the Sousta Country Watto Agency, — This contract provides water that supplies not only Contrave it CSD, that area a various of Country Service Alexa and loss portions for the first of the CSA, Gray View CSA and Castella CSA. What works the Direct of the contain point of figure solutions of the impacts to these small service areas located in some of the more remote areas of Shasta Country?
13	Is.	As a finite or review community, the "Keywick County hervice Area" is not a separate kgalle of ty from the County of Societa. A "County between Area" is a surfact of rounty government, it with a board of interesting appointed by land removable by the counte heard of superiorstic, govern limited here, admentity to provide public services on a specified grog apine area.
ie	high trib Map of Maria Maria Maria Maria	This map is recreased by the disciplinating. The glaring and science on sycolic discipline at Controller CSD. Attached before in Exhibit 10 has a map than Ristary discipline EA for the Society Data recreased, deporting the location of the Control EA for the Society Data recreased, deporting the location of the Control EA for the Society Data recreased does deport of on Tab by 121 is the service treator theorem Junes Valley CSA No. 6. which have not appear on Figure 1-2. Also missing Root 1-2 are the service treat for Cing Now CSA No. 23 and Castella CSA No. 3.
17	15	The Orals E.A colorance to "show period" armorpates (so; the rist 25 year hong term water sets to contact will expire in the cost 2026 to each that bony term renew is contact will not be executed with some state on 2001 to new expiration date should be changed to 2029.

Carrol Fight Wild and Candida, L. S. Garera G. Segtamores (September 1, 200) By Hyspetia end A. Candida, L. S. Garera G. Segtamores (September 1) By Hyspetial and Cannings of Circle Community Services Description

ogy vr	1961/14 1961/14	: duty-sa
IS	1-9	The discussion of Trelated arm these is glossly condequate. In machine in the vote mest listed in Table 1-2. For function, is also continued by the vote mest listed in Table 1-2. For function, is also continued by these Contractors which their remembed bring firsts which style are contracted. The Health of their remembed bring firsts which shall decrease where exports from the Trunty River Frank decision without will decrease where exports from the Trunty River Frank decision without will decrease where exports from the Trunty River Frank decision of Saellier Decision of Approximately for indicate of Saellier Decision of approximately for mades of inticat valuation and reduction of approximately for indicat valuation water water relucious from Whiskeytoner, Dane, (7). Another one has his Restocation Program (APRP) which well establish in reases flows. Program (APRP) which is well establish in reases flows one table where supply from the list of Cook, using the same surface water supply from the first plane for the decrease the continued of the testin service continues by Reclamatics with the McConnell Lotter face in the Continued and all on the Decrease the CSC, as part of the water rights service or and Continue rice and of Saeltier Decreases and all and the Decrease of the Continued as a face where water supply randoms of Whish my from 1 ake whell in this Basis Fa.
	1	from Thomy Trunt Water Sendre Contract Negot vices Process? the Draft Contents and a state of legal opinious about the effect of CoPIA shall are either machanide or dispelled to the Contractors (and where are addressed by earlier community between 1 1 and blood it is stretch that are modified and a to received Truth of better and confidence that are modified, agreeable? Your attention is directed to the 1545 Act processes about the CoPIA shall state that Rectardation may only renegotally. If I thin charges set to the nature content in the legal of contractors providing at the brain of renegotations of the truth of the truth of the process of the contractors with modified via received in the contract to which the triple to renegotate is received in the contract to which the triple to renegotate that water are not only and configurate when the process and configurates when the specify any other malters with the expect to which the contracts do not a greatly any other malters with the spect to which the contracts do not a greatly any other malters with the spect to which the contracts of the contract of the order greatly any other malters with the spect to which the contracts of the contract of the contract of the not apply that water malters and contracts of the contract of t

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region (manac Lingui, St 2-1 The Draft PA makey and, of the three place pegenation process. that year conformulated by Reglamation and the Confidence. The Isotopi of with Thenseer, Reduit they and North State Resources he preparation of this Biart PA also described the three place. process (order "Development of Alternatives") as left was 5 Negativations will be partial to foculation plane passing. Plane for GAT wide terms, Phase R. Division, Unit Level Terms, and Prog. El . Destrict Specific Tentes 1. As most earlier to the General. Comments, this targe planse negatiffing pickers was 2020d and by "Red (mater) when it ordaterally terminated CVP widenegretations before close to build been teached on a CNP-wide form. of contract. Subsequently, dots our reactived regulations were parsand for the Steramento Valley Deploy, winter VP wadeissues communed to be addressed on an of Sir. basis in difficient an suital negotiations around the gave. The divisional may dustriate but the Socialmento Valley Contractors that you come to Course (1884), Jean and the wiftering Surgarian and Vallace devisional agreed upon terra of contract. Negotiations have not good started on the dearest specific level for any of the Shostaz Limity. Contrast na White both solks are commence to configure negotomens, it is each some patent that ragnet can't progress will be made up all tories of these few's noted after a new prosideration. additional action takes office, stroppy deal to ear correct tiple. pranisstrainals The sames of the progette flow rule this point on time call only be suid. to be followed in parameterly a negligering states have been "patriced as "backage deal" pegostal one from the patrick, his placehage deal" regonations the pieces propose 15 ensite contact. (traffier than pegenjatang terms of a constant them by its ii). South negotiations require trade offs of law, table and sudventiable. egistens of different terms within the total contract, sorking promption so through a bulgace of those trade effs to the told. cumfreet techer It on tresconcernity impotenting quebins build naticontact term to a rational ly acceptable form as a spand-alone term. To theory. Reclimation is the Contactor teight accept to unbrenstable versus and a contract team in return for a factor blin veryoon of a different contains from and so our from ghout the

contract as long as the particulated the contract as a relation

repaysents a billibrook receptivale compromise.

gamer KCS, NeSS, and Considering CS, Bareau OJ Reclamating Congress (1.0 cc) Builded 1995 and AT Considering CS, Bareau OJ Reclamating Congress Congress (1.0 cc) Rec. Resource 2004 y Considering of Clear Coopt Community Services Chairman

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20 The "page general" approximation propriets to third of negotiating in constacts which contain principals highly contentains from Chafof three recommends cause the negotiations to statemare it the papers. were responsed to talky agree car each individual terms. One drawbuck to "package deal" regolations is that it that I the interrupted before an agree ment is reached at ranged assessmily on south that there is measurable tip ogress' by way of agreement to produces of the coattact of special forms short of an entire package When was distinsive reviews, the particular in negotiations will not have been wasted, because both sides have developed a better unitaritateling of white the other is backing for in a "package deal" and we converty are closer to structuring a "psickage" that could be mutually acceptable. However, given the absence of ait sorrechigher CV2-wide formula contract, and the absence of a divisional Agricul appear furnicial content, and an independing distract negoti interio, becompality all principality of the contract remain opento degationed. The Drob LA is entirely premoting, when there are no after largered upon son tract provinces at this point in the

Lour Kuli, NSE and December 1, 1800.
Busine Hillson AC mollos. US Superscript Region from English English
Eng. Revenue and Connected 5.0 Case Case Case Continuity Scripts 2015.

Best, Responsed and Compagnity of Quart Clark Company დატების Person. Gasta Golden 2-2 At the top of Page 2/2 there is a brief descaption at Reclamation a because and logistly and model. "Nonkently" approach to envariation mental newtons. Artist, also tigle contract propessibles Restantation and a single content proposal by the Contractors' group are artiflicially so exted us "Cookends" for the respective regal sarag positions of the parties, even though recivied torseproposals is easy one of mony proposals condulty Restauration or the Contratoral gramp, with the operal signal concessioned to these particular persons. Securelly, it is lake \$ 4550 hort these are pular opposite proposits by the inspective parties that agree of the extremes of their barguinning poorpose, schem is fact they are switching more than "puckage deal", proposate by which that type or comparison is east applie their (here's terrous comments). Third, it is stability assumed that all subaspices proposals on I fall unogeneous op is Spear conding pro-stretching between Physic two "Bestweets," when to fact there is no such interpretability for compact suc-Consequently "parkage deal" negotiators; is like throwing draft at a dark house, it's pointless to compare the relative positions of the dates on the dark breakly and keep throwing small you had a Hadisa and by reaching agreement. I mally, there is no regal translation. for the period that realistic environment if the environ Lander core. If and for its amorphous continuum of possibilities for the press to (the analysmitter) which is supposed to be subject to gas transmental receiv Both NEPA and CEQA repairs a stable and fante page to alcomption. While it is presable to study several alternatives. without designating the preferred afternative, with alternative, it instance specifically designated characteristics that allow for evaluation is diagry one of their quals, be the preferred afterestive. The spacephose contamion of possibilities pay forward by the "Bredebils" approach provides no defamble project capable of governmental less beation. This approach is fatida peritally

incompetent and cultaretal as a insure of cosmonwealship time and

LETTER 6

1.660.2	ROW	:	
B	1.5	Thader Section 2.3.4. "Needs analysis" or a second that "Bioschool and eliterizat frague reader stemands were identified for each district." These or heldstages of reflect water decreases are settlemely important that results to be religiously the follow water usage patterns of the fastinets. They sheeled be recentried and lested in the Drift EA covaries that facilities water decreasing the CVP contract quantity will not be not be a reading the following their shear they are along the CVP contract quantity, there there should be not be met by carrieding the CVP contract quantity, there there should be not be met by carrieding the CVP contract graphity, their they should be not first an around a flux or of the realizing creation of they should be not ordered by a other water squares, such as groundwater paraprile, to still up on sign heaver indirect on managerial effects significant "constrained don and," may should be parapriled to the stell parallel based of drop of applications that perfectionally increase that haves a specify to the Contraction oppositely while reducing available supply to the Contraction opposites while reducing available supply to the Contraction opposites that the perfect day that the old origin applications are a foreseed-le response to analised of drop and the confident of the properties of the decreased from MM the perfect before the confident of the properties of the drop of the properties of the drop of the properties of the drop of the properties of the contraction of the confident of the properties of the contract of the properties of the p	
22	 	Under "Negaty analysis" the Durit [1] characterizes CVP water as a "suppliemental water supply" to be used to the entert that concCVP enter supplies contect freel Pulate water demon by. This goodnor is durity southary to Bloom, it! Be barotion policy and position is started impeatedly by Berlamattan throughout the anglement for 1941 Continuous were in (1) to be parallized for discolaring men-CVP water supply; ources by treating CVP water as money. The position from adoption to the treatment when a continuous supplies. In presponding to this creatment. Berlamatters should either to be reduced when derived can be substial from adoptions, supplies. In presponding to this creatment. Berlamatters should either our offset that the statement of the Direct LA to reduce the trace policy and position, or alternative statement on the Direct LA to reduce the trace policy and position, or alternative statement on the Direct FA is procurate and the experiment of the greatments of policy by 80 Constitute of the procurate and the recent to position of the procurate and the recent to position of the procurate and the policy for each distinct will correspond the floatment of the policy for each of another the gradual into the gradual advantage of the gradual of the floatment of the policy and the procurate developed debugged on an engalphic to be performed by growth of both Mol and agreement water that one constitute of decision of decision of water on southered and addressed on the constitute of Agreement documents.	

Record (C.A. Noyal and C.A. Burgan (A. Reciprosity) Properties a Proceeding Texts and A.C. and Ind. Co. Burgan (A. Reciprosity) Properties (C.A. Bergagos and Constituting of Cligat Constituting Species (A. Estatum).

500	PACE A	
Я	14	Under "Negas, was ignal for a Unidely nated that "The servicemental analyses of egy and include encloses total to intentional analyses of egy and include encloses total to intentional architecture." No fact-based explanation on an amount is given by median architecture of encountries. There is mediang in CVPIA include productors and explanation of explanations. There is mediang in CVPIA in order of examplified any water specialists. Justice the median region of from reconstruction and example of an example of ex
	:	They arisotropy frontation to existing contract quantity (e).  Reclamping a population position at the time the Draft EA was proposed. States provide, Reclamping reviewed a proposed be but remented Valley Division. Contractors to increase progenial CVP oxider quantities under Alticle 3(2) of the contract. Excelling were recently arranged by the contract based on very recent eleganeering arranges which in decays the availability.
	:	supplemental CVP retain swallator to Sacramento Valley Division Centragiass (without ingularity in parting deliverses to offset CVP contragions). As a costal, Reclamation has indicated a writing insights desire to revise the contract language to allow that such any plentantal supplies, that contal potentially estensive deliverers as a CVP water score the present contract spanish. Reglanation has respectived that it will represent NSR to revise its proving montal valuation to computer Social memorial CVP water topping. While Clear Creek CSD and the other Supremental Valley Clear, this
	:	applied Reclamation's reoperation in regioning the personle usage of those additional CVP separation that has the fixe encurremental region must move be desirable deministrates the error of the Graft I'A orlegings as arbitrary recombined an encouragemental region manage because a conformed to Reclam there's their correct as got along paration.
21	); i	Table 7.1 uses on improper a peripagen and difference for the "Not Action Alternatives." This Alternative should be proved an any dissipption (but for long term verter service contracts (not the international text) are topics of union for some second vertex without the international provides of the service of the same second vertex of the service of
	ı	supported by Besternation's targaning pointer. For example CVPIA mandales that the length of a renewed symmetrial water service control for humber to 35 years CVPIA alone not mandaling that occurrent and control table explicitly incorporated into the relationst which point control is additional control terms. The Diatric A proposed for times that "Mo Johns" Albertance as a completely over terms with new terms which to by replacement CVPIA.

(lecomber 4, 2013) Page 19

S. 1715	1 MARTIN	
, m,	. (Care No.	COMMENT
75	3.3	On the "Paple ontony Revita's" for Alberto town, it is endicated tool. I have upon simplementation of yield ancrease projects per 340% effectly." However, the Orah LA does not expect opener sed control squartities that we also result from the good in several.
24-	2-5	Builder "Expanding Recolais" for Alternative 1, it fassion is total fass of vector supply reliability would have regardative diverse socioeconomic and environmental apparts. "Where is the discussion fanalysis in the Orah EA of the significant adverse imposts?"
27	2-3	The "Calegory Lane, Caregore 2" concept was discarded and a Screenic defende the Drutt FA may prepared. The least a tentral leature of this "brokenia" early in the Graft FA. The distress should be able to they have the time brokenia" grops call still severy a said disease for categories of the effects of contract provisions.
2K	2.5	The "M&I rester" the "No Action" Afternative should assume a line internative should assume a line internative 2. The Sectionative proposes, would notice a five zero thorough.
29	2.4	Fire Thermy of Chertrich 10 Right by Ose Contract - the Two Actions - Alternative and Alternative 2 should state that water sees no contracts, resolver as they allow for Midd service, should be repeated (per the 7-85 A.c.)
10	2/5	For "Sales, Transfers of Facisinges of Water come of the adternatives as consistent with Reclarationals cateral police and cargodiating your on or effectively. I water the scraft EA was gottless of that themselve water should be paul for at the rate poul by the transfer or
v	26	For "Quality Of Water" all all the alternatives inclosure five — Seclars their result by inclosure obligation to type the towards sealer spiritive grade. In fact, Sectional on this mode is graded a graduation of vegocific retrief quadra goals and largest as part of the CALTTE process, which Carry there are spiritived which spiritively goals for these which spreading compacts. In large diatons with the Med Terry is drawn in "Reclaim from the stated ins wich agrees to confinite continuer grades which welcome each description is a stated in wich agrees to confinite continuer of the work invested their vector goality goals.
32	2"	Colors "Development of Alternatives" it states that "The No Agtion Alternatives" consists of concluding existing water versue gestion is as dissert of by the Preferred Alternative of the PRS. This is an improper definition of the No Act of Algebraiches". See concern \$21 and conclude \$51, and columns \$5.
11	j 24	Or der "Development of Atternatives," the November 1975 Regionation proposal and the April 2000 CVP Contractor's proposal are described unes as the gir Reclarectors and 6.5% VP Contractor's considered those proposals to be absoluted to regionate as a lifet after some classifications. That after some classifications is false.

Livera Scin, 1991, and The Saleston Of Rectan Great Property Park Rev. Recognition of Community Services Destrict Rev. Recognition of Community Services Destrict Property Rev. Recognition Services Destrict Recognitions of Community Services Destrict Recognitions of Community Services Destrict Recognitions of Communities Services Service Doorndoo 4, 2000 Page 20

	(MR)	COMMENT
11	2.9	There is no description, 102by a, of theathers of the required by the government. The steep of work his NSS requires development of an involving Conditions security but none appears in the Draft FA. The broking Conditions security but none appears in the Draft FA. The broking Conditions of district and security is any event to present a formulational for the FA moder for registratively event the proposed incoming to the FA moder for registratively or the proposed incominated differences between afternatively with the existing 4 time. The Draft FA disease of the modern proposed in vertical and therefore between afternatively with the existing 4 time. The Draft is diseased by the Draft is the standard formula diseases free Chapter 4 of the Bratt FA. There is no see the distance of delated the existing extraordicate reseases were remainmented. Conditions in the Draft Service areas.
17	28	Here appear the "No Action A terrative" is required with the 1918 - "Pretrieved Asternative," rather than a time and accurate 18 in Action Alternative," The equivalent or reactions in C1194 for the No Action Alternative," in the 18 in Yappat, Asternative, The collowing que to the in Egopolic and Egopolic Asternative, The collowing que to the in Egopolic and Egopolic and Egopolic of No. 2008 of C2. 4th 882, 912 & 917-928, remaining to 22 kB address "ensuing geodyteons" as well as "obst mental 8g reasonably expected to occur in the forescence (alternative discussed in the 24 kB address "ensuing geodyteons" as well as "obst mental 8g reasonably expected to occur in the forescence katheries that proved wear and approved bears on among plans and consistent with a ranking expected to occur in the second plans and consistent with a ranking forestrative, supplemented by a testionable horizont, forms (§ 15126), substitutes, supplemented by a testionable horizont, are consistent each as the major pet alternative. The description must be straightherward and ratio upblig generative. The description must be straightherward and ratio upblig generative. The description was the straightherward and ratio upblig generative (for description of the and probabile at asserting the receipt to papershalogy being out the analysis of a consistent the terports is that about the form of the form of the particle of the particle of the source of the analysis of the consistent
	I	A not proper description is nonevaluative. It provides the decreast in twee-and five public with sportful information about the execution article project is tall approved. If it is a feel sally based to regently differ in administration of impacts of previouslying the status quoted the property and the providing the status quoted the provides the description and the write a have line against which they can inconside the environmental advantages and disadvantages of the project and successives to the project.

Hand Clob, NoR. and December 1, 1 Vol. Bullet Het God North School Het God At Clob, Nov. Black of December 1, 1 Vol. Bullet Het God At Clob, Nov. Black October 1, 1 Vol. Bullet God At Clob, No. Register and October 1, 1 Vol. Bullet God At Clob, No. 1, 1 Vol. Bullet God At Clob,

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1,		Under Technic and Ministeria and Industrial Users' in states from The definition of maniscipal and animate in transfer was established can part anise for TSES Restandance product mentarial and "Than statesticities for TSES Restandance product mentarial and "Than statesticities for TSES Restandance of Restandance of the SES Restandance policy mentarial and expedition of the statestic contracts, for the performance of any performance to the service contracts, for the performance of the product to the service contracts, for the definition of maniscipal and colors is expedition to interested in the definition of maniscipal and colors is expeditional for the extension of the definition of the service designation of the following service of the service of the service of the region of the service of the service of the service of the region of the service of the Colors of the service of
,7	3.90	Winder the "Definition of Managinal and Industrial Units" there is a mislossing and discognitions statement that. The CVP has generally appared a definition of five acrossor less for immediate and industrial messers the CVP for orday years, sor less for immediate and industrial messers the CVP for orday years. "This 10 of 11 has been the Sazato/Trenty discission to not far the CVP as a whele. In the Clear Clear Clear Clear Continues and discissions are made than 72 C of the total order assign to perturb the Sazato/Trenty discissions. For close to 40 ceans both Clear Clear Clear Specifically discissions. For close to 40 ceans both Clear Clear Clear Continues as the Clear

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Land Rob NSB and December 1, 10 in Instead Bull and ACC melloc 10.5 Europe Of Restriction 1 Page 27 Bull Language December 10.0 Cyste Crest Copy Community Services (June 1)

ragic.	1295.5	
)s	2-11	Ginden Section 2.4.2 if as stated that the Drait LA does not consider. There is not greatly one to provide a highly selected water supply and providers to improve the artist supply supply supply high consists of the CoP resolutions and operations' purportedly because separate in a more rotal discurrent than the Section's estimates and operations' purportedly because separate in a more rotal discurrent than the Section's object for to the lactions and it would be required for to the lactions of higher that it is a supplied by the laction discussion of the percental for to their environmental studies of indices designed in the constant for their environmental studies of indices designed in the constant section that would enhance a network by necessfully for or anyth, and ing Section 12 the laction that would enhance water of polymeral discussions are supply reliable that any higher a section of the results of the laction of the proposal contents of the laction of the laction of the section of the laction of the l
Der	2 n	rather than performing facilities of shipeline contraction.  Choice Special 2.4.2 the statement continuing relative trail.  Than recess the Contributes With Biological Operation.  Than recess the Contributes With Biological Operation. It has not form that main middle daily, there depend Contributes. It has not Judy the rath that biological contributes are imported to certain. Reclamation retricted. Partie is no logical requirement by Frontier October on officialities, that Reclamation water is true configuration and the maintain making a residual to provide of complained with Sobogned Operation (and the environment and documentation). Please provide a situation to the Proposition Codes and a phieseophy of the Executive Order, and the Union the Codes and a phieseophy of the Executive Order, and has acted at the Contribute of the situation by Reclamation to mapping with a contributed by the situation by Reclamation to mapping within a contributed provision by Reclamation to mapping within a contributed provision to make the environmental service process.

4 norse K.E. NSII and October 10 notation of Page 20 By Response and Consumer of Classification (Consumer Section 1) and Consumer of Classification of Consumer Section (Consumer Section 1) and Consu

(Xoendor 4, 170) Paye 20

2.12 Dee Grofi I of stress from the "Det among as Samon god Osers in Alternative I strends for the State of the New Action of Imparative in Drial EA, where the Mide water indications shows a love action for the Mide water indications shows a love action breakfold order transitional Alternative". It all the States of the water indications shows a love action breakfold order transition of the Preference Alternative, interfere Alternative, interfere Alternative in Drieft EA, governe order of Steleding of the Preference Alternative, interfere Alternative in Drieft EA, governe order of the formation of the Preference Alternative, interfere Alternative in an Alternative in a manifold or previous the mean of the second some selection of the previous of the second invalid among others of the manifold or previous order of the second soft of the Preference of the second of the second action that is adopt to recent order the second order of the second action that is adopt to recent order to the Preference of the Pre			
Adventure of the rate of some as in the New Action of Atternative Draft BA, sehere the Meld water field artim shade a line action for some fisherability and the sense of the shade under the "Na Action Adjunction" and their shows a line action acte fisherability and Atternative "And their shows a line action acte fisherability and Atternative "And their shows a line action of the Professor Atternative," the Draft BA gives no orderation of form to a Professor Atternative 1 and Atternative 2. An anticle in an enterior of form to a Professor Atternative 1 and Atternative 2. An anticle in previous comments that to a manufacture of the action and action and foodbagg that your content and so more outflow have for public and action that by adely to reconstraint of the particle of so an artificial mellocalizing that your content and so the particle of the regard action that by adely to reconstraint for the particle of so the engagery content of apparent and processor of the Professor and the Order BA that an interest of within the fall's thought of should be padel that the table maction for the Professor Comment of the Professor Table 2. For all the Order BA that an interest of the recent backlear flags.  [Removal I recommental Association for the Professor flags I be the Professor Pr	700251	12(2.)	COMMINT
Clearly FA gives are confinences form to a Preferred Alternative Rather, as within that the found is nearly improved to the preparative of the amount places can be increased in the result of and Alternative 2. As author in previous consensus that was an around methodology fluit products to most organizations for profile around formation increased a consensus the asset for profile around formation and the profile around formation and another transactive fluid was for profile around formation and profile around formation and the profile of the particular and fluid fluid fluid fluid fluid formation and the profile of the particular relative should be parted for that the table mass around prefers to CLUMB assets of that the table mass around prefers to CLUMB assets of GLUCSID policy and consent of the fluid f	40	21/	Afternative 1 would be the same as in the No Action of terminee. This statement is entire in shown by Table 7-1 at page 2.1 at the Draft EA, where the Mich natural defaution shows a line acri. Prochald ander the "No Accion Afternative" and then shows a
All the Orall EA that are reterement within the table though at should be passed that the table, may arately refers to CCCED material (ECCS) by 2-15 and 2-17.   All the feetings 11 there is no effective to the recent facilizer than a feeting the transformental Assessment in the Profit facility for the highest than a feeting the reteremental leads of Steinhall in the City of Statish Lake (Statish Dam Asse) P. Profess of the 1 noteromagnet that the Statish Lake (Statish Dam Asse) P. Profess of the 1 noteromagnet that the soops of the Earth FA is arminable and individed by other architecture a soops of the Earth FA is arminable and individed by the action of the Earth FA is arminable and individed by the Alternatives of the individual searches entries and the individual searches entries and the individual of the Analysis. There is no Biological Assessment in analysis of Diological assessment in a subject of by the Alternatives.    42 2	11	2.14	Deaft FA gives no definition of form to a Protorned Alternative Stather, it is stated that the final critical transpage will be found some others as the amount places can finished the research Alternative 1 and Alternative 2. As antical in previous constraints this is an arrandal antibodalogy that produces no mean agric basis for public area we/scroment or user Contractor review feature of as to the following that is about the recentually energy from the said.
Removal Inversamental Assessment on to the Francis leaver that It were mental leaper Obtolement, or to the death ItS (raps about 185 by pertaining a mater supplies for the City of Shista I ake (Shista Dami Area PLD) area.   Under Section 3.6 There of the Inversamental Assessment the scope of this Footi FA is continuely and enhantedly create ascended to a terminal Analysis. There is no Biological Assessment or enalysis of buildings and enhantedly create ascended to a terminal according to materials. There is no Biological Assessment or enalysis of buildings at 1.1, the createst contract remater for Clear Creat CSD (statement of 11, the number of the contract of an apparent by the Albertations. These is no Biological and an Id. 114 is mandenably, the content area of IAS Paters, to for an additional, 1922 agrees to pepting an lastic requires with 1880f.    15	В	7.13	of the Oralt BA that are referenced within the table through a should be passed that the table mass analytic refers to CCC \(\frac{\text{VC}}{\text{CC}}\).
Sections of User EA is continuely and unhable by create ascended to 8 testions of User accordance resultings. There is unsuperator of superators of backaged associates in the content of an impacted by the Albertations.  4.2   2   Under Table of 1.1, Reserved contract rotather for Clear Creek CSD backaged at Man, the section boardary associate in User Creek CSD states at 14,114 is manifested, the concept area of 14,800 acres, to fa an addition in 1,022 acres to pending an hand conjugates with 18,08.  18   4.3.1   The reference of Charles CSD's acres are respected to entering devoted as coated in contracting the Content and the intentity devoted at agreement of Samitaring, the backage of one factor, have noted in agreement of Samitaring, the backage of one factor, have far the backage of the District is not aware of one factor, have far the backage of the District is not aware of one factor. Samitaring the top of the content of the conte	13	3-1 I	Removal I recommendal Association to the Province Story I between the Removal Report Obsteroeth, or to the death LIS (superalocution S%S 59 performing to watch supplies for the City of Shash Lake
by NoATR* Also, the section Court daily story for Clear Creek CSD statem at 14,114 is maniferable, the concert area is 14.80 paces, with an additional, 1922 acres to pending an home requests with 19800.  18	44	S-1	scope of this Point FA is contrawly and colored by creating creating to a testing of interesting transposes. There is no Evaluation Conditions Analysis. There is no Biological Approximation analysis of biological occupations in the contrast of an impacted by the
as coated in comment on 45. Semilarly, the bounded on of terrating devoted to agree to the road resolution, and in algorithm to the revision. The District is not aware of any factor, two start the localization by Pincon and any, for example the 1000 occas assigned to "transl scalential recovering M&I reader," which appears to be perforing more than a governity before a supplemental that Resignation and NSR model attempt as property. Prof. E.A. without alcoholous location, and will one construct the translation and the performance, and will one construct the translation and the first translation of the first translation and translation are translation.	·I.:	+22	Test 350ATR <sup>3</sup> Also, the action of Controllary service Citian Creek CSD [5] Interest of 14, 114 is many mate, the concept area as 14,8 th acres, isofarant.
	15	1	as coded in comment on 45. Similarly, the breakdened of ferminy devoted in agreement re-read residential, and indeveloped land, and fixed to be revised. The District is not gover of any factual two for the breakdown by the condition. For example the 1000 stress assigned to frond residential research M2d reduct, which appears to be nothing more than a gos or it is negligible to 1000 for a population and NSR result attempt to page the 10 foot for within the Revenue and NSR result attempt to page the 10 foot for which without a condition of any order to a polytopial order and will one condition.

Carri, Stat. SSR and Edward, C.S. Barrera Of Reclamoteco P. Rej. <u>Edyacot High-and Constitute</u> U.S. Barrera Of Reclamoteco P. Rej. <u>Edyacot grand Connectant of Const. Continuant. Services District.</u> Disconding & Soc. Page 24

opp 2	249 C.5	SOMMEN
i.	42-4	The stated that Clear Crook's rends ture intended for one order colors wanted enough to a mapping that that the wells may be turned on the statement of anticle models as a mapping that the wells may be turned on the supplies are made parts and the shape of the second of the supplies are made parts to the Shape of the colors of the supplies are made parts of the Shape of the supplies are made parts. Clear Crook's wells are the Interesticing and tools of the supplies are made parts to most demand for as a fallore supplies are made parts to most demand for as a fallore supplies are made parts to most demand for as a fallore to that prepare does and extensive operational all sequential or option over modellering using the tools for that purpose in order to prepare such connected and deformentation additional may a gratualization as the contested for a permanent clear beyond the District's capability would have to be perhapsed and completed. Only one of the reads is connected to a permanent clear appears supply largifer its pump motion whereas the other new well a road be provered to any torque are used for any torque are used by the connected clear generalization. In this ponential of the Clear Crock CSD carnet was that the generalization collegies well occur be available for any use other those (as meet strongerer).
48	421	who lest inneconality represents that The enganty of the develop of agricultural property to the district is shown in these images of the rich and property in Agricology upper and present and the rest maying at applied writes a by aprint set of displayment.
,,	42.4	These is a reference to the population arrivate in Clear Creek CSGs is seeking user, with a population of abrual SCO people in \$995. The nettral population at the time of release at it is Beart FA was in excession 9.500 people.
50	124	The first portes that "The District" is satisfied as a plateau orbital rises from the floor of the bogramouth eadley." This statement estimates that it is unaccrompanied by the additional independent materials to give it are amongful contest. The oplateau, that the District is satisfied an loss that which is senable for agriculture, but because of the bytto geologic constitutions of the plateau it are not access to growings for wells. The three connecting width referenced of the top of page 4.2-4 are hourse opinione the District's boundaries and the connected by page time to the District's "destrict along system. The macrosynthetic of governments in the District's
	I	Creek USD service area was conformed by a Barram of Regionation study and expect prepared prior to five behaviors of the Poster, and constitution of the behavior to the Walter Lang was the original postage that the greatern of the Poster. This was the original postage that the forest increase of the Poster. Small Chemistry, i.e. to bring CVP water to arrigable bands that otherwise would not have notes to greaterwise. Thus,
		[Clear Creek CSD is fixally dependent upons as a contactual CVP in their supply, and any short type monet dependent, pice as moses at a contact be combinated by result to groundwater.

Compared NSC and Department of Structure Delice beautiful September 1 (1992) 20 (1994) 1995 (1994) 199

Occomber 4, 2 kB. Page 25

COMMIT :		15 K	VAMIN	
τ:	1	424	The rest states that there are 128 miles of prior to the asserbation of system, when in the observation are 120 miles of distributions for the 11th tent also regule to to mention for 4 million gallon storage tank at 1the fined of the District	
52	:	43.7	The new synthetic discussion of "Committive I fields by grossly madequate Tooling by a realistican of the introductive effects of long term control renewals and changes in writer quantity expected to Whish eyetem I also due to the Tamity River Flew domain, together with the internal arbitrary speaking between I fixed in the statement passwing between I also used to Creek from Winskeyteen I also used to Creek from Winskeyteen I also used to Creek from Winskeyteen I also used to Creek from Vinskeyteen I also used to Creek from Program. IAFRIT which resonances is Combing on highing their fellower to Court Creek to reduce the salment spaceting behalf. As noted at Court Creek to reduce the salment spaceting behalf. As noted at Court Creek to reduce the salment spaceting behalf. As noted at Court Creek to reduce the malative offices on the wirthist water supply distent from Winskeyteen I also provide surface water alongly distent from Winskeyteen I also in Court Creek CSD, Sower Courty, City of Resolution and Swalf Cold. The combination of Court Greek Internal Inflows to Winskeyteen Units from Transfer Rose Creek Internal Inflows to Winskeyteen Units from Transfer Rose Creek Internal Inflows to Winskeyteen Units white the fixer to Court Creek Internal Inflows to Winskeyteen Darm may be the owner Inflows as Winskeyteen Darm may be the owner of Creek Internal Inflows to Winskeyteen Darm may be the owner of Creek Internal Inflows to Winskeyteen Darm may be the owner of Creek Internal Inflows to Creek Internal Intern	
43	:	47.7		
4	į	430 496 443	The Profit PA books at M441 water osage based open 1984 statistics. No redocate or explanation is offered for using jude contain that it are years out of date. An accurate em magnitude of bathan standed by Based option for successful distribution as a leade.	

Unity Koly, 1958, and P. Burton Of Restaurance Page 26 Sec. Respond to Manager of Control of Contro December 4, 2000 Page 26

COMMITTEE	15" ("		c. quest		
że	43.4	The administrate shows well verses of treated reachycocers. In addition the party between Clean and the Dote 175 treate test may be explained as Max water to other Clean Creek CSD (and Vision) water in Content of MA) water in Content to CSD (17) Day I'A sy unchain, but I'A is acceptable to the Content of MA) water in Content to CSD (17) Day I'A sy unchain the Content of MA) water in Content to CSD (17) Day I'A sy unchain the Content of MA) water in Content of MA is unchained to the Content of MA is unchained to the Content of MA is a conte	ter by M&F i contourers a context appears before for Creek's 2998 CMP delth by the fact that them I've destricts, uncluding HVP (C) does not one never to two Digital and only the source of three facts couldness to say that the infect to say that the	et 474 were feet in Table 4 het fleet. Table 4 het fleet. Table 6 met fleet fleek WD vells stone WD, so maccorgie ribbs sold treated fleek delivered (13) 45° were het fleek delivered (13) 45° were het fleek delivered (13) 6 met fleet delivered (13) 6 met fleek del	ei e! -1:
	i	information a policitio information discognos	n of a systemic detailer		<sup>61</sup> .
5u	1.00	The adoptioner shows RME visitationale. The \$20,000 and the contact	1714 Coatles Service R		· ]

Disconder \$12000 Page 27 Taura kun Nalt askli Substitition and All Camillatin, UN Burgon, the Reducedtion Sci. Besponse and Communicat Claim Cheek Community Sen was Undered

CONTRACTOR 55 PAGES

AMERICAN STREET

12.3. The text of the paragraph stricting at the bostom of page 43.4 and [15] extending to the tap of page 1.1.1, pagentes to me observapions and analysis of the cost of M&I wante in the City of Shishi Lake, which is their extrapolated to "the other Solisticant, Legisty Divisions." water districts in least at is observed in a the average Copy of Stocks I like water bull to 1000 ratio feet of water way appravaragely \$15.40. To using our a wroter cost per acce foot, the chatter of the PA. metely multiplied \$15 (0.05) () Set on more one agree foot of water equals 43,560 calculated of frater 1711 is translated to frate \$470 perage foot 1. Along impraye the UVP destrol service rate for M&I. water in City of Shasta Take is about \$15.00 per acce tout, the dilution of the LA concluded that residential costs personant a cite in 1994. Rust Tivos admired 45 feating the river of sample gare than they pead for that region 1, 1567, talevalles for \$15,00 equals 44,500. This leads to the proposity conduction by the deather that I Am SMcI all steed's rost at contrasted water is usually a relatively small component at the cost to that, alone, and deliver water to its pastograps (and thus the pates) charged to its customerable. Dano la low's out unfounded leap of logic that. Smales tailings wanted be expected his the other 55 istoand Topoty Division's senter distincts." I also un the Haitt PA flar findings are used to support the conclusion this concession in CVP. 5961 (value rates out) ((2se little or not imports on M&I system osage) and consumption (page 4-143).

from analysis in the Drafe EA of incomparent on 1 then the economics conclusion is emproperly applied to dissimilar districts. in the Swistar Epicity discount. This, it is Jakely assumed that the \$15.40 average household water follows 3 000 paids. Get is made upentirely of the rost of water drawered (composity charge), when in lact most of that maisting charge is comprised of a fixed monthly. the for capital streets capitally and equipment. Monthly beed has specified  $\mathcal{C}\omega$  good since per month which the wart a good parametric therget materious proporagonalely with increased dislocated quantity. Average Mksi haundhold usage is close to two arthorehalf today that of the apparent used for this violatys is in the EA. In addition, the EA completely excelled continuition final premise is, which are a signal cars component of the overall cost of water tax a contractor like the University of Short Lake . Who actual analysis of the constitly charges by Cite of Shast chake, with a free kilosymot size component changes, along with a coargo issortidy reafter usage. quartities, would be necessary to determine the true of the and gost for treated MRI avater by the City. Technologists, a appears that the transport words to less shan half of what we miscuted in too Draft EA. The extraction is no the drafters of the EA to perform a conspection adalests. Cummenters are not recorded by sold for Par an

Comparate MSR and Subject FiSales 4 ALC 4 (Along 1425), Burgon Of Recompaga-Degendar 4, 2005 Page 28 Re Response and Commons of Chartestek Compounds Sorgious Bistock

200	4550	TONE 5.	
57	4 3-3		
37 A Fed	व कार्य भारती विकेश संस्थान	eggy different from the "average" twoses on an urgan environd ratide City of Shasta taken of City of Redding. Chair Creek's Alfelt coater using as predominantly prolange to "room better mount or allowers, which typically apply source to beorse posture, chair-stace annuals, lands agong, etc. The evider usage for these "farebooks" style residences is marry four times the average usage by standard independences. Because of the high degree of \$50 to standard independences. Because of the high degree of \$50 to standard independences. Because of the high degree of \$50 to standard independences. Because of the high degree of \$50 to star obtains a graphysic for the educations of the type of and are, the effect of rate increases is prograted from the type of and are the form and according to the fact of the object of the following the fact of the object of the fact o	
25	1 404	Die in their stated in the Diart left thad the cost of UMI water is a manufactured competent at delarges for inclined water in constitution is proved to an American State water after any their map refer in Made notices is necessary for an ode-mate gas remained in the material decembers.  The Agracies of States in the best for CCCSD at 3793 is roughly according to the first larger of the best for the wrong, and to includ shown as 3,681 is no resultant with both the text at the correct names. The actual Post copping pattern is	
57	10.3	. Table 1506 showing 1994 arg rater deloces on 1,025 acre from s = $\frac{\pi}{2}$ , positive). These numbers is 3,448.	٠.

Casas Finh, Scotz and Horsest Lip Sciences QC Explanation — Percent Cold, 20 to Horsest Asia Smither, U.S. noncess QC Explanation — Percent College 29 Boy Waspenso and Committees of Clear Create Communicity (Science 1980) (see

egis:	1890113 15072 91	CONTRACT
6.1	+1-5	Table 11-9 incorrectly shows any water delivery as 1,2% acre feet but tree transfer to 3,1 %. Water, the 1951 cost of service rate is incorrectly shown as \$15.75. The cost oct 1954 cost of service rate was \$11.75, and the contract page seas \$4.55.
¢:	43-7 	The packagingh at the top of page 4-37 outclates that fruite C.VIII MAC and agricultural senter use the Chan 3 ones CSD is based toport, project and expected in the Shado Counts General Plan, which water and find the projections indicated in other parmining decomments, such the former extensional convenient technical objective the fluid and religious projections. One would religiously be the fluid and would religiously accounted the affordable CSD in date. Change the first technical would be pointed won content the affordable CSD in date. Change General Plan in which document, table that they beast Change General Plan involving an enfector rock for seater two planning and out of a to. The Laustic state specificable tay chapter and page reterency the documentation to and epoin and install the test of account these distances are included and less telestic than it they too day verifyle sources.
62	11-7	Under the heading for "Minar pal and Sudistrial Water The TA relets to the Med vater contained no dels developed for the CVP(A FPPS). It has been admitted that there immediate an enactorate is producted in with distance and water based in age in the blass of finish distance. For example, the rangels show water transportant at the processes — a result that is mespheal do France and that the metal interpretable for the processes — a result that is mespheal do France at the large heading processes (Transported to the large heading and the special that for conduction made participated in that the according to the processes of the large heading to the processes (Transported to reasonable to the special total the Color Creak CSD and 326a Vota WD. To the extent that the CVPIA madels are mapping that of the special continuations have adjusted the opposite the special total the CVPIA madels are mapping at the formal transportation of the special contrate contractions in one alternation approaches to agree at a contrate invariant material to the Contractors were field by Real material evaluation. (That's what the Contractors were field by Real material count flowing the contractors that develop of the Programma Let CSS Wby the other second countries on the character of the Schmatter.

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(100 K)	150001A 1501 NO	LONGALS:
AJ	418	By though applying the magazine in stells (along with decision of attentions analysis in see continuous at \$7) the FA appear of the continuous that Mel mater usage is feed remainly price melastic continuous that Mel mater usage is feed remainly price melastic continuous that large course of profess terminater. Accordingly, an incremental change in tution Mel demand the CVP water is an acquite ounder gather Allienations. I for 2 were compared to the No. Action Allienators. This observation may be expected for Sectionation in the CPP of Redshing pripars are as but a line can application to the Med voter usage in Clear Creek CoD and Refa. Vista W15.
		Fire Death BA lade to consider to resolute the setual angulate of meters and M&C water project on the incident M&C land are partition provision in Clear Corel. CSD and Bella Visco VAD. Table of SQ publishes 1,491 single formly popularized S&H connections, and Bu land are data on page 4.2.3 indicates 1940 acres for rural resolution connections are every M&H water, which is also as an extension. Table 4.03 instruction of 2.6 acres for trace from resolution are are defined. Table 4.03 instruction is 5.5 acres in Clear Cases CSD. The extremely large service are the Clear Care's CSD for Table 1.1.11 also accommediates at 4 and 4.497 acres (see page 4.2.15 will open the development. Clear Carek's machine of small farms each range page to the charter of small farms each range page to the charter of small farms and targe page to suppose a connection which debut see and consistently loss of one page to appear and consistently loss of one and law appears recommendedly.
		The District service area does not have typical union contactnest are fixed in an verse system (20 structures is foreign separate extens). Foreign are an existence for (20 structures is foreign separate extens). Foreign are an existence for the fixed proof of services of the foreign existence for the fixed special special for the proof of the fixed proofs, there generally are no proof of the fixed proofs the general special special special special representation of the fixed the profession of proceeding a collection for company. There are no commercial or relative enters in the District service tendory. Additional general weight for the District service tendory. Additional general weight for the introduction of professional excellent transfections and formation introduced professional formation of the continuous formation of the service in the City of general fixed by an electron of special services in the City of Resteing. Under the general head gop pattern, the part of fixed Resteing. There are special the content of the services and the content of the services and the services of the content of the services and the services are the fixed are pattern to the another than the services of the services are serviced to an expectation of large and content to the services that a service the services of the ser

as not not (m.) higher discords evolunted forming from the disproportion to expense of indestructure organismments needed in earliest some the development within an even of extraction substitution to development within an even of extraction as the City of Rendung

LETTER 6

Canna Acts, NSR 1984 Bulletel Professor All Canadash, Upp Research (February Business All Canadash), Upp Research (February Business Charlette All Canadash), Upp Res

Company Service 4.3.9 93 As noted in partier agrangers, Mai writer usage for residential "sanchebos" is in 44th quite paint sensitive. (For example, when the prior of watering lossy posture encode the grow of purchasing bay. the configurationally other after that use as province buy 1, MAC place. species as of the parguitude shown in Table 4-3-11 would gauge significant changes in M&I waste using and land use. Resulting of development to accessmodate growin wrold as Surger fallow the law density path of "ranchests" because the linestyle amendies. egon, integravith framehettey), would not hatger be attordable with high professivates. Without any economic return far large size. resultingful gain clashiew development will from plant an speaker. lets. In particular franciation for longer using large quantities of Midd water would be day ded only smaller more "typical" size. residential link (25 to 5 heres) and new development in the open some would take the tiggs of standard trant subdivisions. As highdensely residential development becomes protately now a specialistic basis, according contains, pressure will be placed on the small parcel farms to solidavide and convert to M&C isage to achieve a higher economic return in light celon, communical land South servate businesses with an modulately following engand special at higher density residential development. Latther anidewing the Limitera Exploy Valley puishi services inhastrocture. Triough Stapply Vicing Control absorb the beginnings of this typical development, the ample quality for dates at the tracture would gardely be concelled medits higher density growth continues. in some the proposed CVP MAI rate investors for Clob Creek CSD. are likely to be a catalyst to rapid transformation of this area of Sharks Consider accompany of by maker capacity resolved over water use, public landraw, and looking out testimores in these view is many retail composits who add the idealand, nather that engineed, propolity in ascillavisoprapped Impact Scalonaut 1309 At the top of the people is stated that "One not articipated their will." be any Alfel voter related demographic or land use attenuts of the

contract renewal optown. Accardingly alternagingles, and find one

Analysis . As seited by the previous comment, this is a carba renor-

impacts are not addressed in the contract general (NA) impact

of consistency to the PA

Laure Kois, Nett. June.

Bedan, Helt and M. Carollish, C. S. Song at 14 Peptit via on Page 37

See Empreyee and Cytomagazari Chapt Chaptagailty Segment Cistage 17.

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Kithard NE

63 10 The pringippe of the top of page 4.3-III states that charging for 1.3g / M&t accenge to reshold from 1.5g to the access your distance for an explicit violing delivery and cost of CVP water for again alternation of closes on peacely less than from a cer. They statement is gratiently entanceers, disapproache, and combine examine all staging the emitternational receives to combine to Bredomatom's barganing paration, either than coverley to those and artifyer.

I stanging the delication of M&I teater to a live acre threshold would <u>malandy recliptedy</u> over 3-3 pariets in Char CoreACSD carendy receiving Agricular to M&I usage at M&I rates. This would be an inmediate, at periodial, and integral on proposeptificage.

The array year for real, syched malayidaal partial owners, to retrove their Agreeder status, would it - he there to and adducting apply to the Pareau of Rechmitting to reguest was replaced station of tryontraction and reducidated basis, myorality mentations that they intend to use water for agricultural purposes to the "substaction of the Constraining Officer 1. It is no secret that the Bureau of Recumation. is openly higher to the privileson of agricultural water to so all. facing inspectally facing less than the acres in size. In past course, compliances for the category present contracts, Reclamation, attempted to completely climinate agricultural water service in larges of less than how seres missive. That her, forgetime no take estandables of entered for telligraing the less agricultural water. designation often than the totally soft ective requirement of meeting the "satisfaction of the contacting office;" - a virtual up possify their inslight of Sectional meaning manufaction and regulate. additionate what is considers to be "proffscient" farms under free Lacrus in wire.

The environmental analysis inter tocas on the actual correlation make object of the charge its the Ag/M&I threshold, where it is convent. Why paper's and over 1 kill acres or rain has do 55% in support MAI rates. At least it would be short appropriate to the EA to assume that lead analysis would be proported on the EA to assume that lead analysis would be appropriate to the EA to assume that the best three upper frame requests for reclassifical must two to tree upper large to a green and at worst it would be completely on a coverage of Reclamation's agents to characterise small frame. In gith the continuous environmental analysis of a confercious prayers in Ag/M&I threshold it to level actual equality.

From Kidn SNR and Beginner (P. R. Janobey) Period (P. R. Janobey) Pe

ત્સૃંભુકા	1604051A 2403781	i i i i i i i i i i i i i i i i i i i
66	+)-(2 	The first on 1.3-17 makes note of the bage projected rule anchove for M&I water has Clear Creek Col Las imbested in Table 4.3.14.  Then the text colored in a confectual mater of a world be ented by a colored in a confectual mater of a world be ented smaller than the presentage in a confectual mater of the Controller's cast of course ded 4.7-17 materials the color post of the controller's cast of part of the grow about the color restored mater is only a small part of the grow about total resolution. M&I weter bull. This indicated and appropriate social total resolution of the color of
1-7	41:3	The first embroties that "Any increase in residental value rades could have a particularly severe compact for stoleval and and largelines with hinded contemp and allality to pay induce he their water." Clear Creek CSD agrees with this statement, hat where is the following mathypers of the courting and allality-in pay for increased Milel water rates. The court of the following for 1 strengent increase and to test of armost pay for increased Milel water rates. The court of the test of armost in the automatic pod by Clear Creek is declared been for form a party six of the automatic pagetipate on physical trades. There is no facility and the sound appropriate on physical by including to strenge in the traped on previous with hindest on one and could be pay. As fig. 3 major well known, Clear Creek has gravesterely qualified for Book matter of a farmer, knowledge (where onto the est oblighes; by further cover fig. 6 or the first time to a substantial population of lear import peculiarly in the Happy Value arm served by Clear Creek CSD.
fu.	1116	Table 4-2-70 stows projected year 2026 agreening as receiving and food one ampacts in Adear Check Cold, configuring the two Agrees. Aderraged and Africantice 2 moder according that the two Agrees. Aderraged agree constitution. The data (1) is storp the the table concentral shapes that under according hydrogen agreement as Alicinative 3 model consent independent of about two thirds of agreements of exact two and exact of the artists of agreement and exact areas and order day in Artistoph, could not Alicinative 2 models course technological and approximate according to the further evaluated and addressed.
#1J	111	The actual service teaestory communicated by Clear Coyek CoO is 14 500 attract, with actual provided in 2,100 tead service convey, times, discribed between 25% considerates for agricultural too and 1703 security free law Milet use.

Capita Kolo Kinz, 4404 Report Special Conference (CFR) (1986) Properties (CFR)

<u></u>	1.29(4	- · · · · · · · · · · · · · · · · · · ·
π.	4 1.5	Under No Action Atternative" (bure is reference to changing the Agridge) three holds from their ages to the arrest Phone we constant (e.g.
7.	4 \$41	Uniter Asterphysic 2, there is reference to the change in the Ag/M&c threshold from two axists to love acres and a sistement that "Shere are no increments, indirect offices also to reworking under this Abelianine". Prove see compart 69.
7]	14·7	Under Considere Effects at contract that Othe Creek CNO would blocky follow about 746 acres of partner Lead mater day consistions. The EA their notes that this find. Signific with land following model by Tess than 5% of partner at Sharta County. The terrate amplementation of other Alternative at or because result in terms of County to the other County to the relative suggestionage of the amplementation of the relative suggestionage of the amplementation of the relative suggestionage of the amplets of any properties. The suggestionage of the amplets of any partners of the District and the County of the county of the amplets of the County of the District and the County of the Count
		The effects relate to the Thetric's mount and reading process at the Distinct good. Also, the and use therapies and teater using within the Distinct content and extension and teater using within the Distinct content the ability of the angle short leaders and powered for water asserts improvements. In this count of the common of the angle exhibits that the removal of 760 arises bean the age exhibits that the Distinct. Comparison to the gazantal geographic segment and Sharta County is not relevant to the removal of the Court color of Sharta County is not relevant for the removal of the Court color of Sharta County is not relevant for the removal of the Court color of the CVP Court settors in the Sharta Friends, the controls of the CVP Court settors in the Sharta Friends, the controls of the CVP Court settors in the Sharta Friends, the controls of the CVP Court settors in the
уι	\$ 5-1	The trades well-bintograd resources a need by effectively done without a Budograd Assessment and full occomponent at the Texastrog Conditions secretion.
51	456 266 157	Uralgo the No Agonor Alternative and Alternative 2 that a second discussion of increase in the AgyMed Constrain train term is as to like some some or comment to
73	461	Under Prospection that Justice there is a conclusing a statent at that reserved of the long term scatter service contract would not disproport analogy affect lone income peopulations. Therefore, with impact to Altereatine 2, the Bright Mastated on page 4.5-13 that "Any increase in resident, dispropriates qualificated in going candidability to pay more for their least tracks for the Bright is sent finited in going candidability to pay more for their leaster? Gost comment 67. Fortie is no resident of the track analysis of this \$2.5 showing the their is no loss income population in the Commence CSD service area. This seate these are by actually so the timestagation.

Delegater 4 Don Page 37

Capita Kish, New and Capita Kish Buryan (2) Regispance Co. See Maryan (2) Regispance Co. See Maryan (3) Regispance Co. See Mar

Transport	630 HA	. Country
156	l *:	The discussion in Chapter 5 of "Chair Activities is little survernant a generic and part of lot of other delicities is corring in the CVP, right of any activities with the Share (Terrory discours CV). Contracting interrulate with the Share (Terrory discours CV). Contracting long term water seven countrates. The least of Colber Activities hospitem water seven countrates. The least of Colber Activities hospitem water seven countrates. The least of Colber Activities hospitem water seven countrates. The least of Share Share Dany and restoration of the 19 red's stretch of solicing sparenting bybit it the Anadomous 3 is Restoration Program (AFRP) to the tensional systematics substitution Program (AFRP) to the tensional systematics of carter fines Whethertown Promined to Color Greek for continuence of a strength fines sparently fadicist. The new water continuence of a strength fines sparently fadicist. The new water continuence of Grig in application and Contexts for water several models from the Solicin goals of the section in the Solicin goals of the policy force in proceeds and the section of the proposed M&I shortage prints, which institutes and probable for the Solicin of a solicin as induced to containing Agricultural and proceeds activities and subject to containing Agricultural and proceeds activities and subject to containing Agricultural and applications of which was a large of the containing to the context of containing the process of solicin of sparently filters in the responsibilities.
		occessance with the Anathonious Post Restaration Program [ASTRI]
7.7	163	Civiles "California Environimental Quanty Act" it is stored that "I have his stored that as a Lamb being part to a easy CiQA non-armed in the test bound and all the resonants subtained designations (FA) with the designate either than NTPA distinction as a mass for proporation of a CITPA document. If a rew, an completely revised NTPA controllectual decomposition preparation of a CITPA document. If a rew, an completely revised NTPA controllectual decomposition preparation and adequacy round be earlieded in that time.
`		Challey 15/16 Deciking Water Act 1 for Fearlt 1 August link to conference the converse procurately represent the time CVP Contactor's taking an incensive rester from Whitekeyspee Lake that the combined form there empares of anguing Reconstance of the negative process taking an obeginness could count determination of the Whitekeyspee 1 Jake 12
	ļ	suchase water supply. Have is no lacted conduct to support the assertion that there wanted by each bunger in can plant is write State. Drusking Water As I requirements.

gerga Kuth NSK and Buken by Condest. U.S. Benga US Restauction 25 Buken Holiston A. Condest. U.S. Benga US Restauction 25 Ben Bray year and Computation Cont. Clock Computative Section. Describer 4, 2006. Yago 34

Yery truly Yours,

LAW OFFICES OF WALTER PLINON SELL

WALLER P. SCHOOL

WYMSER H.5.

Securio: Durnie Jacobert (Washington Office von U.S. Mail) Congressitan Wally Eleger (Washington Office von U.S. Mail) Char Workman Econors, Char Creek CSD (Via: Presents)

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Mr. Later Section Superplant State page 5

and restor root, if a suppressive that Recognition intended to properly the send on the time year extension of the actuary recognitional continues, to belong the 2002, that is expensely proposed for under Article 2004).

Agian, man effort to be able to plan for the neet restor year, we would appreciate a region to that letter, no letter than Northeber 17, 4000, advange when we can expect to recreate the near over enterance. Danal you for your continuing efforts to confighte the long-time contrast reservail engineers.

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## WALTER P MONEILL

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TOUR HOWE CAN BUILD HER.

Outpber 3, 2001)

Val. Elmail & First-Class Mail

Laura Kish North State Resources, Inc 5000 Rechella, State 203 Redding, California 56002

Re. Environmental Assessment for Shasta-Taunity Long Term Renewal Contracts

Ocar Ms. Kub.

At you know, I appeared Clear Cook (SD to the long term contract renewal magnitudes process due has been underway with the Bureau of Reclamation. The specimy that you had with Sharta Techny Contractors on 2/13/00 was helpful in alluminating the status of the Royaronmental Assessment (EA) for the long form contract renewals. But also disconcerting in revealing problems with obtaining adequate constructional terrow on the Sharta-Trindy long term contract schewais. I implemental terrow on the Sharta-Trindy long term contract schewais I implemental that an administrative death of the EA has now been prudiced, which has not been reversed by any of the Contractors - so we can't be certain what it does or due not contain. To encourage early review and, if needed, reassessment of your approach. Clear Creek CSO would like to submit the following points which ought to be considered in proporting the EA. These points are not exhaustive nor listed in order of pricinty.

Accurate data on the contracts wheeded to prepare an accurate SA. That may seem almost toulous to need to be mentioned, but after our meeting of 9713/00 we shad some reason for concern. (a) NSZ and been supplied with inaccurate state for contract water quantities for the Stanta-Techny CVP. Contractions, (b) NSS had been supplied with reaccurate data as to the Agritical water presidence for Contractions with material stage, (c) the CVPIA. Programmata Els, from which you are Thering! the Shasta-Trutty SA, uses the Cray of Redding as the Teppesentative! water user in the Shasta-Trutty group, though Redding accounts for only about 10% of the water and is less than "representative!" of most usage: (d) modeling from the CVPIA. Programmatic ElS uses models for the entire Sacramento Villey region to predict impacts reflects in Spasta-Tonity, despite discondinates by tween Sharta-Trutty and the segion as a wholf, and (e) Water Belletin 18.

Jayra Rub Nacrh State Resources, Inc.

Environmental Assessment for Shasta-Trindy

- Long Team (lenewas Contourly

Carpton 3, 2000 Page 2

del reconsumantation, referencing a large metropolition asset white 1950gn bias 45 approved to the adicial Mfel water usage found in this naised constitue to the adicial Mfel water usage found in this naised constitue 250 in value of the adicial content of the revised data from Reclamation. We would super that are usual data has been obtained, since shot is the fundamental attribute, point for accurate/reclamatible encounterital analysis.

- The SA should consider the large member of two- to live some parcely
  receiving Ag water, and the patential impacts of elfons by Reclamation to
  convert those parcels to M&T usage. There are about 350 auch parcels in Clear
  Creek CSD, and about 338 such parcels in Bella Vista WO. Additional
  arisomation conventing these small parcels should you wish to inquise about
  there.
- The potential impact of locater rate increases through the adoption of correct Rectamental propused rate policies should be examined in the EA Sor Clear Creek, the M62 contract rate regulal increase from \$42.01 per bate fact to \$157.59. For Orde Vista the M60 contract rate would increase from \$77.62 per serie toot to \$74.37; the Ag control service rate would increase form \$22.89 to \$33.00, and the Ag full creeking would increase from \$53.32 to \$75.67.
- \* The offects of bered pricing on water rates should be taken into account in determining rate impacts in the EA. To my knowledge there is not agreement, rule, no pickey for application of thered pricing to mixed Ag/M&d contracts. This raises a question as to how the EA will address the effects of rate impacts on, thou direction on how therein pricing is to be applied to mixed Ag/M&d contours. To dry knowledge Reclamation has not even thought of this question though the knowledge Reclamation has not even thought of this question though the knowledge have dramatic impacts on water costs and
- The PA should consider the full demand his water over 25 years, for Clear Cook in well as all the other Sugraments Valley Contractors. Clear Cook is need analysis (the other Sugraments Valley Contractors) shows internate demand to be an excess of read contract quantity. The EA should consider the effect of full supply of this amount, whether it contract whelf, or through the contract well, or through transfess on the acquisition of non-CVP water for use in conjunction with contract Project water. If there are any question about the needs analysis is a timate demand we would be glad to addition them. As for as we know, Sections has a copted Clear Cretic occulance analysis, and three have been no inquiries, questions, or objections to the needs analysis pubmitted to livelamplics analysis months ago.

Laura Kuh
North State Resources, Ipc.
Re. Environmental Assessment for Slussa-Towns
Long Term Receival Contracts

October 3, 2000. Page 3

- The SA should include analysis at the means levels of water caces, the relationship of land use and water use to means levels, and the sensitivity of land use changes to changes in water page, based on the chopme levels of water man. There is a strong likelihood that you will find that the water users in due to their relatively low means levels in are highly sensitive to water price increases, and three-love land use changes (ng consequent from Ag to MAC land use) will be strongly influenced by water pagency.
- To my knowledge we do not yet have a sate-specific Biological.
   Assessment of a sine-specific Biological Operation, and the EA being prepared by MSR does not include a comprehensive services of environmental conditions on the ground. Analysis of the Alfected environment and existing environmental conditions would be essential to up EA.
- Though I understand the satisfies up the "bookends" approach being used for contents terms in the absence of a negatiated content. I have concerns about it meeting the functional requirements of an EAL especially in the about of an agreed upon CVP wide forms of content. Extraordimental govern requires a "stable and time project description." The "project discription" will come into sharper focus when we are at or near agreement with Sectionation on an actual contract.
- The EA should analyze the <u>participative arreacts</u> of renewal of the long. (grid wasee contlucts for Contraction taking water from Whiskeytown Lake as their source of supply in considering with intersor's other activities an programs affecting the Whokeyrown Lake water supply. It is expected that in the next couple of months we will selecte Interior's Trinity liver Flow Decirion, which will in all probability severely reduce inflows of Tripity. River water to Whiskeytown Loke. It also is highly probable that there will be substantially increased flow intrasts from Whitsheylown Lake of Clear Creek. go make full use of the 10 miles of valueou spawning habital that will be made accessible by the removal of Saelizer Danc. At the same time releases will. communità de made from Whiskeytown Like to provide cold water for dala habitat in the Sacramento River, afterg with releases to dilute heavy metalepaceterations in spillage from the Spring Creek Debris Dam. And, of course, the Contractors drawing typiet from Whiskeyrown Lake will continue with their demands for water, with Clear Creek expensencing goals demands for Agwater in sufficient months at its province the same time flow selesses for fish-Habitat in Clear Creek and the Tripity River are likely to be highly? Thirty is a roal potential risk that infecteased ephanish of water moving through Whitkeylown Lake may cause waste temperatures to increase, that competing

Laura Kul-

Casyber: J. 2000. Page 4

North State Besources, Inc.

to Environmental Assessment for Shasta-Trivity

Long Term Benerval Contracts

demands for water selesces qualit result in temperatry imparts on supply; or temporatry fewering of lake tevels, or both, that changes in the operation of Whisbeytewn Life; could result in increased organic load, and/or borbidity, and other impacts on water spiritly, that increased water quality could adversely impact water regularity spiritly, that increased water public on Controllars taking their water from Whisbeytewn Lake. Though there will clearly be motional changes in the future operation of Whisbeytewn Life, I am reflected any environmental water by Reglamation that considers the curvillative impacts on water service providers using Whisbeytewn Lake 45 their source of supply. This would be the time to address that environmental pages.

- In the contract regolations to this point Reclamation has accessed that. facure water supply needs and dismands by water screwn Contractors are not beely eyes to be satisfied by CVP water suppliers. In essence, these will be long term penting demand for admissibility water. The natural consequence of long testin demand, that can't be satisfied by Reclamation should be considered in the EA - Decause at lot the Sacramenta Valley Contractors are within forces. of origin" and "counties of origin" that could provide adequate water supplies to meet 100% of dature demands, the likely long teast consequence would be indevidual Contractor fares of unging water rights applications that may benefit individual Contractors but prevaigs and reduce averall CVP water. supply. Successful area of singulapplications will further reduce. Reclamation's ability to meet future demand in the area of origin, fortung additional Contractors to bollow with their own area of origin applications. A spittalling effect would occur until uses of origin Contractors are able to meet fail water needs thiquigh a gymbination of area of deigin water eights and remaining CVP contract supplies. There will be disproportionate impacts. among water service providers, because the overall CVP water supply, will be demonstrated for all Contractors but different and evalual Contractors will be better 2001/000pt; for worse positioned to file fire and might applications. That effect should be presidented in the environmental analysis applied to contracts en the area of origin.
- Aside from the fact that there is no CVP-wide control, various important contract provisions concerning MAI water have not been resolved by flecturation with the CVP Contractions (as a whole) or with the MAI "victual division" group. These undevolved contract provisions concern the following material among others. MAI water reliability MAI water shierages. MAI water quality, and MAI contract renewal. In addition, at MAI rate-veiting policy has not been determined, and may not be roughed would the fall of rest year. Another important MAI issue on the Maintain is purchable settlement of the MAI definit, which quality influence MAI sates and



Causa Kuh

North State Resources, Inc.

October 3, 2000 Page 5

Re. - Revisionental Assessment for Sharta-Trinity

Long Term Renowal Contracts

capulal repayment. It is consignable to expect all of these matters to be easily ell in the next 12 months and there is adequate information to discuss the parameters of possible outcomes. Therefore the environmental analysis should take these factors into consideration.

We believe the above points should be considered in the environmental analysis for long form contract senewal. We would be glad to discuss any relative purals in greater detail with you should you despe to do so. Thank you for your consideration.

Very truly yours.

LAW OFFICES OF WALTER IN MENIGOR

WALTER P. McNEILL

WPM/p

co Clear Creek CSD

GSUR Atoa Manager, Mike Ryan,

Puo.L. 88-44, June 21, 1963, 77 Stat. 68:

That the Secretary of the Interior shall, upon sequest of the other party to any long-term contract for municipal, domestic, or industrial water supply hereafter entered into under clause (2) in the proviso to the first solitence of section 9, subsection (c), of the Reciamation Project Act of 1939 (53 Stat. 1195, 43 P.S.C. 485h) (subsection (c) of this section), include provision for renewal thereof subject to renegotiation of (1) the charges set forth in the contract in the light of circumstances prevailing at the time of renewal and (2) any other matters with respect to which the right to renegotiate is reserved in the contract. Any right of renewal shall be exercised within such feasionable time prior to the exprassion of the contract as the parties shall have agreed upon and sot forth therein.

"Sec. 2. The Secretary shall also, upon like request, provide in any such long-term contract or in any contract entered into under clause (1) of the proviso aforesaid that the other party to the contract shall, during the term of the contract and of any renewal thereof and subject to fulfillment of all obligations thereinnder, have a first right for the purposes stated in the contract (to which right the holders of any other type of contract for municipal, domestic, or industrial water supply shall be subordinate) to a stated share or quantity of the project's water supply available for municipal, domestic, or industrial use.

congrams that and deligated to insperimentary compare selected policies on practices, by evaluating allocation physiological about the system being managed.

We recommend that Recommend of the the Copy Canyon Date Adaptive Management Program, administered by Reclamation 1, pper l'inforcés Regional Office di Not 1 de Cay, Dith, for goodwire, at this programs into most detailed and comprehensive dit interior et the adaptive management techniques in use roday to manage 6th and writige resources and overall health of thrue excryptions. Note also that the CALPED Roy-Fo, to Program authorate adaptive management approach, which can provide goodwire for the Imagings of the program whom the first CVPIA Lings Terral Contract Resourch and to which the CVPIA areas into already being the thought of programs of CALPED. The affected CVPIA areas will be into greatly by the intrinsich of an adaptive menagement groupes that will increase the even all leads of the United Valley, the editysteony and its natural to sources.

#### WEST SACRAMENTQ CONALS

Reviewing the overall goals of alternatives for the West Successio Casals E.A. On No Action Alternative and Alternative 1 apparently will have the same impacts. We are concerned about the techniques of CVP delivation that have lead to increases as ground water our. This may have an alverse effect on readity projecte where their one of outlace water, father than ground water, outlanded quality of biological remotion. As mentioned above, a more detained system of water use and water transfer incortoring may help alternate adverter water quality and busings a remotion adoption by belonging the use of sufficient adverter water quality and busings a remotion.

Under Alternative 2, it is detentioned that it would bring in 2 how it Total Groot. Value Projections as projected for Alternative 1. The region's agos, although might could decrease by \$1.4, further luwering potential revenues and could decrease employment by 2.5%. The bridge of species, the flood of after Alternatic Council decrease employment by 2.5% in the bridge of species, the flood of are decreased under the alternative flood and the information of influence flood in the council decreased under the projection, but the projection, but the projection, but the projection, but the projection of influence or and pushely lead to interested bad election. From a bridge of reference perspective, however, this opposition of sections which is agree in the District and allow for more water surge and to first the effects of agroated a facility in the District.

#### REALID R WATER DISTRIC C.

Concepting the Feather Water District, the main consulerations for other agencies, such as histograph constructions, write transfers, and the balance of scatter antispation among ecoupiling demands by CNPA are not addressed in this EA state they require Setter the missistant. PWS and others should be kept up up and of the prequirement of these materials. The PHS calledated CVP water defined once the people for fish and walling purposes. Thus, Feather's supply of water from CVP top documents. The EA makes no emergency of how the water demand is called being the

#### DELTA-MENBOTA CANAL.

In the Belta-Menfath Chini bili, Altertative I celefy no injectionally inflive a impact from a fine action, although on the exception of geology, glours which levels, and holing of properties. Under Altertative I interested geteroid-size joining countricities that desprigned integer line amount of antiaco-water otheroil. Declayer than not, however, acknowledge the presence of the threshold of endingered species that done within the Pip to Mendolia period, urgain that outstall habitation the mea.

Expects of Alternative 2 are recentually unalter to those in Alternative ( (including impacts rates) above). Additionally, Alternative 2 has a more included of effect on agoricality is within of production compared on (\$1.0 million or an average year (\$4.5 million or by five-year period) (in a \*\*51.2 million during a display year. There is also a potential increase in unemployment for the angle on ranging those \$20.4 being lost in the region.

#### CROSS VALLEY CONTRACTORS

Personning to site Citera Valley Constantors II.A, the impacts are regard from Alternative I and the No Action Alternative are similar. Water quality and supply will terrain relatively archanged Personnal differences in supply skie to conditionate a day year as compared to a werever are less than The of the custom books. Water guarty, however, a questionable. Because the average delivery seeds of the Deliver proposed to decline than may increase propositionate common and may reside in application of whice of a less of quality chan surface some. Anthony to common for shorter and hologists' habitats are likely to experience mismal shorted and adjrect impacts under these archivorates more explanation is suggested in this PA to focus on improving water quality for biological resist new and more input pass. Finally A appears that the sucio-economic studies in the region will be unaffected by these alternatives.

Under Alternative 2, less ground water pumping may allow farmers to the tot better quality surface water. More vigrations changes under Alternative 2 months boological inconventation," where additional water raise could result in an increase in the amount of and left tallow, thereby improving only gration psycholistics, is the seen and the about to octoon tallow lands to their natural two agreedings of condition. Edition of, that could also denote the opportunity to increase worked habitation the affected were. Total parts he experience Countries are less than 12%, which playeds ample psychiatry to increase central habitation without this titley affecting the legal of countries.

#### **ERRANT DIVISION**

The France Discount I.A in particularly controlled into any project of inspects upon his region's communities, decreasing and natural resources. We more the potentialing densities due to extends the impacted environments in the binare area and that well-planted alternatives to address direct and indirect environmental impacts and included. We constitutely note Section 3 of this document,

performing to Affected howeversees and Linvolum and Consequence of the Financians. We are pleased to note the beigeouing group a to in place the prological instance conservation and habitation in the properties of the Anadronius Foh Restoration Program. There are concerns, however, about how issues of white quality, that colly fluctuating water levels, exerting have they expend for a house of the properties and spawning baharative. The addressed the highest the 25 year context town. Data on the pure could not adverse and possesse originates on these for populations are growthed, but we recommend including more detailed come on an across electronities to address these factual resource to become

In Section 3, (wound Water Resources, increm analysis on possible reclaring of already depleted and eventual ground water sources, but no concrete group are to enture that ground water with the replicative of the might be foreign the foreign and insteady draw on ground water supplies. Further, the decision thould emphasize what can be dependently as but more receiving a production from receiving groundwater use, it clading heart to be at well years, among frust Distinction agrees and indignitud water users, put builded, when of trupping to undersempting to programs from the ground water incomes.

In the section on the Environmental Consequences of the histories Resources commentary in that hid, adverse consequences upon the fishenes are facts to occur whenever CVP water is guidassed. We are detected that these purchases will occur randomly and intermittently, and will lakely Asian the regeneration and maintenance of the first pupulation discussed in this section. We would lake to see accurate on or how the water purchasing and corresponding flow increases or decreases can be "contented for incomment to give the greatest opportunity for those fish populations to regenerate

(Norrall, France scater marge problems, expectable those related to ground water levels and chage (Northern 2) need to conside that France usage with not intended with Cross Valley Canal Unit for Delta-Merchita (Land papping and unage)

#### SAN PRIJIPE DIVISION

(he San helpe los addresses she tops, of adaptive management, referring to the Vernal's Adaptive Management Plan, taking into necessari protective measures for falls an Chinock salimin la Chiques 4, Reclamation needs that the existing and projected water demands adaptive implementation of long-term water uninservation group that their during periods of drought, the ability to reduce domaind his seater instituted. San beloge it not the order paragest that inch designate contact attention frequency. The sandering of contact despectacy of disports years or an important consideration for all the projects and the four inter-tolatedness. We are also concorned that thesi read and evaluative page as a life and will inconside adverse direct and realization the project as concernly drafted.

#### CONTRACOSTA CANAL

Comia Covia County's demand for water is expected to yook with contistued development particularly in the content pointed of the county. The first to Water Supply Study prepared in 1996 calls for the purchase of water transfers, which require suparate environmental documentation and shorefore were not included to Alternative I for Alternative I. By inher array as of water transfers should be included in the over-text assessment of these eight LAst. Moreover the main difference between electrative I and afternative 2 lies in the pirong of water for agricultural needs, while development in the county is mostly coming from the redevelopment of farmings into residenced and continence distincts.

#### SHANTA/TRINITY DIVISIONS

Regarding commentary to specific provisions of the Shasta and Times Occurred FA, see analysis property focuses on Chapter 4, dealing with molicemental effects and consequences, however we have a boof connection called regions of this disparent. In Chapter 2, it is stated that the dispare resolving provision in the Shasta/Traility Contract Renewal are only included in Alternative 1. Northy the controlly carolinates state of California water possey, we suggest that the 1 pears on instanted within the final Contract Renewals, and not simply amond in Alternative 1. Regarding Chapter 4, Reclamation has completed a thorough and with planted assessment of the impacts to this degree, particularly in the assess of waters sage, pricing, costs, and the effects upon the ke Alternation.

Among the given equation innerval alternatives, it appears alternative 2 provides greater opportunate to allow for level (allowing to disent material to other material and industrial uses that are expected to my material for the evaluated area for the next 25 years as agreement will decline. Consequently opposite for use of the water pavel forms and following for habitat and opposition propagate, should be clearly colorested within Sections 4.4 and 1.5.

In 4.5.1. Adjacted Environment, for 8 A displains that there are "vegetation and weightle revolution that proceduring may be affected by 1 the CVPIA without the Redding Brazin treat involves in the Shasta and Treaty Displain. Exactly how they assured retinates are effected by the project of our clear in this 8A a analysis. The uppers affected are well detailed in the 8A, but how the 1 records are impacted by the group or spot sufficiently detailed at this section of in the following. In succession, more stockers.

Thus, we recompacted more detail on how the CVPIA Contract Benewals regard these facts and fours. Percoining to display white is the same section, Table 1.5-1 repeats the Woodfuld Habitat. Paper rives many, and the replanation of the Aquatic Matthet Taper is not of the had beneated (page 4.5-1). Otherwise, Cagnetic 4 and 5 appear to trive complete analyses of the potential intraction of CVPIA Contract Renowals may have upon Shasta and Trusty Division area resources.

We again thank Kestimmen for the opportunity to provide continent at the eight UVPIA Long-Verm Contract Block at L.As, and orge Recianismon to stricturely consider the suggestion make above and include them with the Enal UVPIA Contracts. Please feel her to constant at all (415) 427-1477 if you have any questions of require Cultification on the Booke community to the CVPIA Long-Term Contract Reticival has notational Assessments.

Sincetony,

Patricia Sanderson Pure Regional Environmental Officer

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Fanna Fuji, U.S. Environmental Printegion Aggray, Federial Accepting Office Dr. Therma Presion, O.S. Geological Survey, Western Regional Office Toy Wealful, H.S. Einh and Wallife Service, Sugramenta Office

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## **LETTER 9**

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Communication for its outstand Anderson bought end Course. Knowled December 2, 2010 Page 4

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## LETTER 10



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Describer 1, 2000

ALCESSOR Bareau of Reciametron 7930 Cottage Way Sucramorea, CA 95823 Sent by FAX: 914-976-9994

Dear Me Carellian

The Celiden Gibb Audubus Society approximes the apportunity to distinct on the Hartes of Reclamations dieft Fortomment Asserting-18 (EAS) on the proposed Engwind received of Licensel Medicy Pagioss (4.197) which is related contents.

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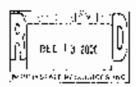
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FROM CYNTHIA KOEKIN, LEGAL DIRECTOR

DAGES TO FOLLOW

SAVEFBAY

Save San Francisco Bay Austrianon. 1600 Bryadway, Susce 300 Oakland, CA 94012 www.savesfoay.org | savepay@savesfoay.org 510/452-9261 | FAX: 510/452-9266



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RF Engineering Appropriate CVT Water Service Committee Research

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## LETTER 12

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#### UNITED STATES EAVIRONMENTAL PROTECTION AGENCY RESIDAN

Cross Fledra Constant (CMD 2) Zenero: Apila les Olikes, 25 Hawmonra St., 82: Francisco, Ca. 9410\$

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#### TOPET DISTRIBUTE TO SERVICE OF THE TREE TYPE ALC SEY RESIDENTS TOPETS A DISTRIBUTE OF THE SERVICE OF THE SERVIC

Al Card on Supequipt Residence 2000 Conago Way Sugarronto California 95825 December 8, 2000

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\$6 - Proposed Cong Term Connects and Associated Environmental Association

Certiemen

Dir. Interniceponds regions conquered requests to generate a on several death long retail. Central Vattey Product water for takin and the associated Elementative Alberta 200 that analyses the recommendated effects of three death contracts as part of the Bernaul's Comptions with the Net part Programmes (Active Active 200).

An you've —, TPA has had a length at cuboral interest in these central dischasion in 1969. LPA made a tage (completely proposed approach to the Castral on the commental Castral when the Department of the indicate proposed againg large semi-semental matter participation of the indicate proposed against proposed in providing the castral content of the participation of the Castral Valley Project improvement Act (CMPLA) in 1967, cut of one passion of the content of the castral cont

EPA fixed detailed formal scoping entrances when latter in began the pence of organization and by green protected contains. In the many of our earlier a summer along to object to the groups of according to the property of the property of

LETTER 13 .

#### NUMBER OFFICE

International transforms benefit on Erra memorinal Assessments for many of as one recognital tension in the CNR Tenn. Greef. As indicated it has a scoping within the decremental function for all bounds on the continuous libraries. Some continuous and as programment of the continuous and as indicated as a continuous. We appropriate the think the florest compression and appearing to the continuous for the continuous and assessments. We appropriate the other florest compression and the continuous and appearing the continuous and according to the continuous ac

EPA in also concerned that the Pronocomeral Associations of the Been proposed in advance of the production of the Record at I Decision on the PSIS. As records on RNPA in a grant of the production of the Record at Control Been on the PSIS. As records on RNPA in a grant of the production of the decision of the PSIS is a diote decision according to the range of a stem of the production and page of profital offer in that must be used used at the CNP and force.

If all (1.174) a concept a district grain whether the managing experiment; they have not seed on the title specific to conflict to the filleter CVP and the Theorem and Americans to the graining of the study of principal districtions that the reversity of filleter particles of the reading of filleter particles of the reading of the conflict particles on the managing groundwater a conflict or water quality of contact place and the conflict of the conflict particles.

FPA issued mends of an inventor recognized it; executi MFPA comptings appropriate when the completes in Betophol Discussion of a PE(S) which we underston will be in the immediate factor. At that late in the order invalidation of this state of the between Coston of the in-Accordance in the contract of the province of the contract of the province of the contract of the province of the province of the contract of the province of

#### Courset have

FPA FB interest and appreciations proposed Carloss, all any exited the standard formula constant. We recognize that endoubted by consequent as the country from a pip purply regressions, and the enable constant ran for any 1 as been called to present the country for local constants. Cost conservations are interesting in safetite to the intiger respect to seed by long terms contracts. The country of Provinciation contention in follows:

1. Contracts, conjugate EPA has been early expected in contract to whe contract quarters introduced in the content long to incontract and the contract perfect of the CPP contract produced in the CPP contract produced in the CPP contracting and the CPP contracting indicated perfect Springs and are contidered. In some power, contractly all CPP contracting received the result of the matter of the CPP contracting received the result of the contracting of the same of the CPP contracting.

changed as many years, the fivil to recolor to detiver the entire consent of Haller to the first in the contraction. The changes would be appropriated to a property that CVP. The profession the PRIS superson that the problem in the economics of the contraction is returned with a gradient potential development materially that is PRIS. If goes the 19 and \$0.000 and accompanying seet.

If PA relays are that his constant quality struct Constant at the last of subgroups optionally, and that all portugals a proplemental managers of the Stockhold Parkey. Calling this or problem in our manifold the Pay included all expectations are the particular distincts and particular distincts and the last of the Pay all the edges that many different according to particular and the deges that many different according to particular and the subgroups and the particular and the subgroups and the particular and the subgroups and the particular and the subgroups are particular and the particular and

Eine in a second that is an incorporate conflict CVP argular has the patternal to selecting affect factors a solitay to effect activation in additioning Cat forms were recipional continuous analysis of Tim Burgas and Eigens will not be able to remain other racing transporter of CALPED and other books to activate if they have sense will beautiful transporter. It was a first in they have sense will beautiful unrealistic.

In the entracting goal button with west independent of linter so has been predicted and write that prevent quarterly standard in the design of standard quarters in the prevent of larger than a second of larger than a secon

inthough we are supported of Internal sugarable to the control quantity issue, we we considered alson proposed of these tenguage that age soly requires the factorizing of parase additional water pagety for the solor trans. See Section 19(4). We appropriate that the soldy a statement of them, but it takes the same to occase noted above the organization of tenguage in Septic to the Conference and expectations. Further that tenguage in the section of occasions, or occasions of the Conference of t

7. Bight to Report Structure and the observant in these we thank in 1989, PPA Attained that long term where services conjugate agreement there is to be partition, and formation but rather that they should be industrially controlled to the controlled controlled product to accomply and construction of conditions in a couplify changing of wor. The CMPFA if see all fall excelled a confusion which a creation, for the Sergemy the discretion at the North to controlled softward for the first long term in the Att CMPPA. See that 1994 is a controlled softward of the first long term in the Att CMPPA.

Given de historial por non EPA le gracially augmented in a cuestant robental procession and proposed comment Section 2(b). In particular, we supply the orang continues to Station 3(b) for particular we supply the orang continues to Station 3(b) programs that any subsequent context or that is their context or the context of the condition is that or the context of the condition is that or the condition is the condition of the condition in the condition is the condition of the condition in the condition is the condition of the condition of the condition is the condition of t

As the state exist however, we betteve that he procedured Normal Libyup around by Martin Libyup and the Martin Libyup and Stories 2006) in the repeat concept that in a west coincide the stakeholder discussions as the Geometria Process. The concept is that concert we can star a societal convex to the control of some action as the most inguistration in the action of the control of

3. Tigred Printing. EPA has frequently expressed its support for the concept of traced prolongly a magazinary jet essecuring grandy meanly of terrors what there is both the agree district and orbits section. The CVVII is expressionable to terror proced process and present or of smaller support for this idea. The appropriate that implementing underlying mother that would not first a grand to would not first a grand process and process are process and process are process.

#### Canalysian

FPA is they in pranoxically, the injusticant colors made by forming engineering prerectory price in done upong an approximation given CVP company. Notice last to the defining incomed and implemental the reforma consistent by the CVPIA. We involved by the other own rappearant violating through inspections with notice commons or for other mases retried during the consistency. If you have any open more when their commons in please out it are along an (4131741-169) or Carolin Yale at 4425 or 15006.

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#### UNITED STATES ENVIRONMENTAL PROTES HOM AGENCY REGION IX 27 Names 2 (1) September 2 (4) 41 (1)

January 8, 1939.

Mr. Alan P. Cendish Bureau of Roclemation 2800 Consayo Way Ann 647-120 Sacrémonio, CA 95825

Oser Mr. Candistro

The Environmental Protection Agency (£PA) has reviewed the Nesca of triton for Long-term Contract Renewal, Central Valley Project, California. Our review is pursuant to the National Environmental Policy Adv(£PA), Council on Environmental Charly (££0) and Section 359 of the Clean Avidually (££0) regulations (40 £FF Pans 1500-1505), and Section 359 of the Clean Avidually (££0) regulations to proposed when need methodologics which will be vised in psocious with the contract recovery.

The Burdul of Rectamation [Burdul] proposes to prepare environmental floorments for the purpose of servering posting leng term and interting equipment of contracts for the Control Valley (Yoyed (CVP) in California. Special operations of water to be in the renewal contracts will be subject to a needs assessment. As this type, the Burdul operations as if the project improvement Act (CVPIA) authorizes range at a susting long-term water service contracts for 25 years after appropriate environmental advises including the completion of a Programmatic Environment injusting environmental advises including the completion of a Programmatic Environmental myself Statement (PEIS) on the CVP required under Section 3400. The long-PEIS is scheduled for talease in tune 1999. The additional environmental observancy of all the final PEIS. The long-term equipment (b) for contract renewal will be only the final PEIS. The long-term equipment and solutions of all the final PEIS. The long-term equipment and solutions are discovered at the population of the special regions.

Over the last 10 years. EPA has worked with the Burgau and other resource agencies on issues which should be addressed when considering any latin water supply contract renewals for the CVP. In last, between February 1969 (GPA and renewals for Council on Environmental Quality (CEQ!) and passage of CVPIA in October 1992, GPA and are Burgau worked pater birely on dewing the bases, scope, and otherwholes for a proposed GIS on the Frush water Service Contract Renewals are incorporated by colorance EPA Comments on Environmental Renewal Process for EVP General Comments of the Contract Renewal EIS EPABOR Agreements, 1995, FPA Comments on Finant Contract Renewal EIS EPABOR Agreements, and CPA Sosping Rommy, Finant Contract Renewal EIS Scoping Repen, May 1991, and CPA Sosping Rommy, Finant Contract Renewal FIS, January 1991, Copyright prejectived.

White we acknowledge the remarkable shell in policy, management, and planning for water tosquiscs in California which have occurred we believe that many or the lisposition of goromehis most with the Bureau in 1997 are still relevant to the Current porthect scheme letter. Key points are highlighted below.

We have long supported terring contract renewals from a programmy, displaying another in CVP operations paid hydrological effects, and, with some reservations, believe that the Programmate CVP1A EIS (CVP1A PEIS) serves this function well thewaver, considering the many respond and doubted ponceins which are not privated in the CVP1A PEIS, we suggest that an EIS should be assumed the appropriate favor of any year for contract sonce also whose a close screening of issues and potential in parts conducted with ample public ponctions on, supports a different orbidiscion. We note that the programmate EIS for the CVP1A did shift editions or available water quantity, water quality, or specific larger and conditions for portract teneware.

The Scoping Notice states that the long-term contract tenewal environmental scopins (s) will be prepared on a regional basis and lighted to the final CMPIA MITS. The CMPIA PERS evaluated options for operational strikes, eather transagement [II x instance, pricing and transfers] is also acceptation festious on priorities for the CMP. The contract renewal Edits should clearly link proposed contract renewal actions were the management direction as to underly the CMPIA PES Record of Discissor and requiredly playing discretely exceptible interaking and regulations.

Angungs of the property of the pringuage aupply reliablies for contractors and hospital to inclement as GVPtA. providings. There must also be "suchery to accommodate future 1"alis in water privay which may allest the CVP. We urge the Bureau to structure the renewed contracts to fully reflect the redirection of the GVP, pursuant to GVPIA, to provide ecosystem. restorst on and a releasing water to boy. EPA large selection in that long-term water properly. contract renewals should focus on determination of everybee supplier and bringing. contract commoments into alignment with these supplies. The water beeds analysiss. which support contract renewals should are uply both the supply and demand side of water management in the contract areas. Resignation should work with contraction to consider all available looks to contending water management. Books ty and reliablely These roots could exclude water transfers, conservation, pricing, imgation afficiencies. operanging inpublicies, marker-based incorreves, water acquisition, conjunctive usit voluntery temporary or permanent land laftoning, and wasteware rectainstant and recycling. Information on the record methodologies and results of the assessments. shaked by incorporative into the confract renews, prefront entel impect documents.

Our detailed comments (effected) discuss a humber of issues which we believe must be accressed in contract renewals. Among the most important is recovering the get between CVP supplies and control large s of CVP burdest commencies. The CVPA PELS occurrents that under of implementation disensives the amount of instantial Redemand could retailly deliver in everage leng-term and dry period conditions is keys maintiful contract quantities.

We appreciate the opportunity to review this NO. Plaque wind four repressor the Owit conformation from subjects are given in the subjects of the Owit conformation of Rederic Activities. Wyou have any questions, plaque call the at (a15) 744, 1566, or covaper David U. Pazzot, Chief, Fedural Activities Cities et 415,744, 1584.

Successor.

Obarma Wighten, Doputy Deedor Coats Mede Omson

Enclosures: Ontailed comments:

EPA Comments on GVPIA CHIA PEIS April 1998.

EPA Commants on Environmental Review Process for DVP Central).

Rangwald, MArch 1992

Front Contact Renewal RIS EPA/BOR Agreements, 1992

EI'A Comments on Frant Contact Renewal EIS Scoons Report, May

1991

BPA Scoping Comments File\* Contract Feneral £19, January 1991.

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cc. Jm Wilde Department of Fish and Gaine Nanctio Engelbine, Woolein Arta Power Administration Wayne White, US Fish and Wildre Service Courted Board Vigoria Whitely, State Waller Resources Courted Board Vigorials, California Resources Agency Cary Stom, Nanchel Maine Equalities Service US Corps of Engineers, San Francisco & Sacramerco Pat Port, Department of the Interior Lestor Show, CALFEC Woody Pulling, NHDS Donna Tagerman, BOR INV-400

#### DETAILED COMMENTS

#### Water Needs Assessment

EPA has concome with both the assumptions and mathods of line water i wads enables. The Burgau's Theeds analyse's described at the Water Demands Wars, hop appeared to have the laftering steps: I) calculating contractors historical handle is use of water, 2) projecting follows benefic at use (for the 25 year contract propagati, 3) describing companies should be water sources excluded to the contractor and 4) determining the quartery of CVP water to be entered in a forewal contract, using the supply/demant information. We water to be entered in a forewal contract, using the supply/demant information. We water the Bulledu to dearly describe the assumptions enderlying use of this defrecology to project forms be the and to explain how this policy with help determine contract quantity.

We are concerned that plant evaporitance-raced data used to compute corporate use (such as 8,44th 113) is open to dispute. Thus, the Bureau should take care in down appropriate of the Bureau should take care in down agency is historical industrial of bonder all use as well as any future in projections. In addition to technical questions regarding water use type-term projection [25 years) of future way by staring contineated it support to many unloss seesby factors (factorially explications) accordingly expressed a visible with a support on oil future benefit tall use. As would shough experiment of different appropriate to the future benefit at use. As would shough experiment of expectations are the support of the provider of the project of the provider of the provider of the project of the provider of the provider of the provider of the project of the provider of th

Step 3, examining comprehensively the water sources available to the contractor, is very important. In fact it appears to draw on information required in the Contractor's water conservation plans. Several potential sources such as water exchanges, transfers, and groundwater, may be at our to decument and/or project. The EIS should clearly decument new this step is done, declare assumptions made regerding groundwater and, management and exchanges and declare assumptions in information which goods after conductions regarding weight appoints averable to widely nonlinearity.

In regards to Stap 4, we args the Bureau to closely state how a might by yea she water hoads analysis in determining contract quantities. EPA does not regard the purpose of convect renewals as using GVP contract supplies to flat a gap? believe no calculated needs and available supplies. Instead, we believe the Bureau has a number of tools to help improve water management and supply relativity and to help procure a sustainable water believed supply and denand, it wastable tools include water cansiers, conservation, proving urigation efficiencies, operational Foxbackes, market-

based incentives, water acquise on, conjunctive esse indicately temporary or pertranent tool latiowing, and waste water reclamation and secycling. We use the Burdguitu use these looks to improve water management and supply reflecting and to latiour the use of these looks two his evaluation of contract quantities. In this step, eith night inconcerning assignment that water would not go to waste, go to environmentally humbly latiour and water support water would not go to waste, go to environmentally humbly latious and water support water evaluations. We suggest that another integrated demands apply management as a goal.

In conclusion, we suggest the Bureau document historical benefictal use of GVP water, opinly argental flow beneficial ess; help users pain and amplement supply telephiny measures through other programs, and equiably procede supplies supplies to be available from the action CMP.

#### Shortages

EPA is concerned with contract quartices which consistently exceed evail bits water supply thus creating ishofteges. Contract supply paramitined is should be takened to effect supplies reasonably extented to be enablable under varying conditions [e.g., wolf various dry years]. We fear that relating contest quantities which exceed evailable supplies gives the impression of unreliable commitments and may imply a "mood" to develop additional supplies. Other development of from supplies is only realised to state water from environmental in stream benefits used to enablantations.

EPA advocates an approach which is focused on efficient use and management of easting spaces water supplies. The quantity of abouted water in the contracts project by based on publicg, genelopping project supplies are not on contracts; I leed to terminds, or additional decorporate supplies. We strongly urge the Bursay to evoc contract quantity promit there is according expected supplies and to avoid about the horizontal supplies and to avoid about the horizontal supplies and to avoid about the horizontal supplies and to avoid about the supplies and the supplies and the supplies are supplied to avoid about the supplies and the supplies and the supplies are supplied to avoid about the supplies and the supplies are supplied to according to the supplies and the supplies are supplied to a supplies and the supplies are supplied to a supplier and the supplies are supplied to a supplier and the supplies are supplied to the supplies are supplied to the supplies and supplies are supplied to the supplies are supplied to the supplies and supplies are supplied to the sup

From the contectors' perspective, there may be times when shortages are unavoidable and writteed to be endeaded. As trained above, EPA advocates the use of multiple tools by the Burgau to help contectors plan and manage for supply reliability, including during shortage behalfs.

#### Environmental Needs

The needs essaysment must include full for scenation of environmental reges EPA belowed that it is respectivable for the nonewal contracts is account for environmental restrictions solely through the use of a Pahotage provision. A ghorage provision is an eppropriate mechanism for providing flowbility in the event of 6/1,70 unanticipated environmental or other impositions on CVP water use. However, it should not be used to implement examing environmental origations, under the CVPA to: ESA. These existing obligations should be published in the needs an expirit and factored and the basedsmann of water quarticles and factored are the basedsmann of water quarticles.

#### Decementation of Bendé del Use

Benotical use must be clearly defined. For entance, the needs assossment should state the dates between which the beneficial use measurement was taken, and training to a measurement period, how beneficial use will be interpreted, and wrightly and have differentiates in seasons and type of water use will be considered.

Groundwater and water rouse it ellip of decident. CVP water deplentation groundwater in certain 4 feat through a supplier of "paint," such as about seeping of high feat (thodd) waters. This late should be documented. We request the Bureau discrete withhirthis atteid being counted as Matorical beneficial use, and it would be counted in a conflector's future water "hand." We note that there are areas, such as the San Jospain, where the casual "conpliction of surface (groundwater has not stablished groundwater levels or sected as a bandishable to a first, witger on may conflictly be severe water quality problems.

Inc CVFIA PEIS class to the register reasons copage and recomblines in a paper support of the paper of the pa

avaisets implementation of reute and water conservation measures and their percentage check on quantity, timing, and quality of water available.

#### Reservation of Rights

EPA understands that there have been engage a Soustions about a Wight to sense", and/or about the meaning of and confused up reability of language in the 1856 Act. EPA's view of the 1956 Act was presented in fell at the time of the OFQ referred in 1969. See Leade from Genetal Yamada to Chairman A. Afan Hill dated April 10, 1969. EPA behaves the 1956 Act discrission of renewals was largely supersisted by the experience in the CVPIA addressing conflict renewals. Son CVPIA. Storying sage in Under the CVPIA, after the last 25 year conflict, addressing the legations of activities are country to the CVPIA addressing son fact renewals. Son CVPIA activities are of all parties to retain a positive legal arguments, 2°PA behaves it would be inappropriate for the Surgicular applications in the renewal contract greaters they are onlined to receive under the story of language of the CVPIA.

#### Water Supply and Demand

Wig groupy believe the Bureau should ulike look such as priorig, conservation, sonjunctive use, and monotoning and accounting to neep improve supply takebody and phases more between believes water supply and detected.

#### Расло

It has been demonstrated over the Not Secade that variable pricing of water can significantly influence water demand and supply. Pricing which accurately reflects the gennesses and governmental costs of water increases the aboly to ensure scence supplies are used efficiently. The continue somewal Eliss should include an in-depth discussion of pricing and from the weight of the Bulleau and within weight discress. We argue the Bulleau and within weight discress. We argue the Bulleau and within weight discress. We argue the Bulleau and within weight discress the arguments. Although these price increases to alread about about about the infrequent use or inability to provide those large conflicts qualities.

The EISs should stop dusy evaluate the Aphrygo-pay portry ging the Byteau's ability to previous repayment. We draw the Burgau not to strike the ability to pay subsidy, asopposity given the noted by repay project costs.

#### **Constraint**

Conservation can play aid thosi role in managing water domand and supply. We note that the Rectamation Retorm Act states the Secretary at the Information Section Retorm Act states the Secretary at the Information Section Retorm Retorm Retorms and utilities of the Section Section Retorms and the Information Section Retorms and the Information Section Retorms to encourage conservation. The BIGS should include aid soutsion of hallonal Energy Policy Act requirements, how conservation affects were interested to the Energy Policy Act requirements, how conservation plans, incharactor methods and effects, and improved Prigabon Technologies. Consistency with GALFED goals should be clearly demonstrated. Where use discretegy is a major component to the CALFED Regrain, thus eless obsarding the Market Section Regrain Retorms and the processary to make constitution, when appropriate, in methodologies for computing elficiences and behalfs, and it answer complementary obtained. We advoced a use of conservation participancing requirements in the company and acting a section and

As prior feed in the Redemation Wissel Conservation Or light — 1999, prospective tenderal configurations should be are used to have an expension management with industry and to have a memorate agong years in expensioning that plan. Conservation should make operational future CVP supplies are conditioned on continuing conservation allows, highlight, in the control of the control of supplies an expension of the documentation and courd haled partning of use of autories are lable to the control of the documentation and courd haled partning of use of autories are lable to the control of properties of a standard management of element. Conservation and shortage management of element. Conservation and shortage management assume will very from each to area.

Pgr CVFIA, water meastwerned bookes are required for convinci senewal [34595]. We understand this requirement can be able asset in an approved, adequate conservation from the also note that liver in a for of departe regioning ineight measurement or matching requirements which are appropriate. The EIS should castribute and clearly state which measurement disclares a matching recording to the conservation of the provincial state of of the provincial state

#### Groundwaler

Greverwater is a chical element in water supply and demand. Not only is it an element was 45,454 to surface water \$1,559, it used produitly, groundwater can provide agoltocard facility in hierarchy demand at different times and from a number of different water studies. The \$15 should (Ally decumant) proupowater sources in how, when, and

by whom groundwater's used lidentify information gops and where there are no awear groundwater measurements. The BIS should document the fisterical and anticepand in a lemative st retailouiship between CVP surface supplies and groundwater. There should also be documentation of language in groundwater trends within bases. We note that postions of the Sectoments, ensured without high areas, are over drafted, and that major enters in the Sectoments, ensured without basins are seriously over drafted. After a concerned with potential tradeon's between surface water and groundwater use. We may the General to carefully available the long-rain implications or provising CVP surface water to exclude groundwater overdeath.

EPA supports the deation of groundwater menegothers beant and institutional mechanisms to cated information, than ago, and that it groundwater use throughout Cathoma. The scoping materials from the Bulleau suggest that one of the renewirms takens under consideration is from varied to only out the scoping of the Bulleau dray propose from side you profunction use? It some arrors, anigh we consider a profitting observation up conjunctions use? It should not be seen to the above men and management of the combined resources of sudace and groundwater supplies to elebition supplies over the long term. Note that the appropriate management unit in grid to be the contraction distinct unless the distinct is out-tilling elebitions.

The conjunctive use issues hagged in the scoping materials lead us to suspect that developing an effective conjunctive use program and offering this as an implementation of the developing contact option of discovery manifer conjunctive useful separate program. For the purpose of the conjunctive making formaged conjunctive useful separate program. For the purpose of the conjunct prevents such depth information should be discovered about the polyectives, requirements, and suitable toppoint for derivatives use so that in can be included as an option within the doublets.

#### Montaring and Accounting

Effective and size analysm management of CVP water supplies depends on \$11 accurate brownedge of water supply availability and water uso. This expectagly with both both both backs and accounting of world supply and demand. With vigours are supply and demand of the sureau to make a firm dominant to knowly and accounting and accounting. This committees are should individe deficient montilating and accounting. This committees also is individed deficient of the first filters.

#### NEPA Issues

#### EIS versus EA

The Burbau should clearly describe the order afor determining whether an EA or EIS is the appropriate level of NEPA analysis. These orders should consider comulative and execut, how the Sance areas at Bullions are bounded, whether the potential impacts are bounded by executing environmental or programmatic surject sharphes, and whether provides analysis and more cod interhalibration at a rothoder. We recommend the Burbau clearly state which contact senses a will be considered for EIS level analysis. EPA befores an EIS should be presumed the considered for EIS level analysis. Chabotic states are executing the considered for EIS level analysis. Chabotic states are executed analysis of the forgrown operator renewals, aspectally for areas with shorter or suspected inflation of aspectation and executing analysis of the contract of the EIS level of evaluation is aspectatly accordant given the complete and confirmation of evaluation is aspectatly accordant given the complete and confirmation is subscribed in a socious water buyphy in the contract of the demand. Clearly describe whether unit wide evaluations wither and water their will be contract by contract by entired ovaluations.

#### Purpose and Need

It is EPA's view that the control lederal action is were service contract recrievals. end that the purpose of tink extran should be to set out terms, to rough these contracts. through wiven gristing GVP sociolas will be distributed for bandlicital use in the luture. The project purpose should also embising managing CVP supposes, by pointing Bureau. and contractors, in ways which will ar broke supply reliablity and promote ecosystem. protection and water quasity. The concept of distribution should include allocation. through corplacts to specific period and compact forms permitting exchanges and (randigram gross) to end the the contracts allow use of the water for all penetroial uses. recordized in Stelle tyw. For example, distribution should consider evolutions of enters, such as selection-coaced entag, where the use would likely tooks in providences. have griveste of the water. Supply relatively can be addressed in part by the quantities. made available, scheduling and reschooling lifescifty, wheeling coffort, content if on practices, and other management strangers. We note that reliablity of stated contract. supplies would be undermined by a eighboant it corepands between the contract. quantity and supplies which the Bureau can reasonably embed to Me're available. Gode management of the resource of cuttible assured through terms, requiring sonservation plansing, knowmentshop, and motifying.

Assummary, the purpose and need distanced should reliable the internity to an renewal of editing contracts of provide contractors with assurance of reliable, for given water supply, proportions bureauts environments, profession and rectaining responsibilities purposed to GVPIA and other applicable level, prompte with content on, supply appropriate water mansfers; and to prompte between the supply and supply appropriate water mansfers; and to prompte between a supply appropriate water and supply appropriate.

In 1992 EPA and the Bureau had extensive discussions regarding the guritose and heed for the proposed Yourk contract resewal SIS Inhant Contract Penduval EIS EPA/BOY3 Agreements, February 1992). We believe many of the Issues discussions at 8 applicable and incorporary these discussions by televoice.

#### ₿ase"ine

The soligation of the No Action acomptive is a curcat grap in the environmental analysis dense if provides the baseline for companition with other set on a lomative s. II is EPA's position mat the find out on alternation in organization match baseline. EPA believes strongly that the find out one colonil afformative as having from impactal is inconsistent with NEPA regulations. Continuation of the existing menagement shaddon would constitute a discretionary common and of resources that its, differently, an earlier effecting the environment. The other recipies analysis of the EIS should pointly, the solvenments consequences of gypty affects that its comparative form, thus enapty collining the lassage and providing a peer basis for cheese energy potions for the developments are the public." (40 CER Pain 1902.14).

The EIS should desument existing conditions, explain the changes which have : accurred (rig., pie project and past impacia); and describe the accessision restoration. objectives of the CVPIA and CALERO. Furthermore, the BIS should adequately document completive impacts. Indicate past, protect and responently foresers by socians. Past comulative effects greatly influented the ferialing conditions' which about be documented in the BIS and represent deficiencies (adverse impacts) which may be perpetuated under the action and no action allomatives. Furthermore, wri donot be levely is sufficient to establish compliance with certain environmental gratection. laws (such as the Endangerop Spaces Act and Clean Water Act), where the status quomay reflect unaccessable scools and words resulting from an oping equity esunclearing water dissistance. Also wit featured conditions' provide adequate paidetings for coughy desired terrols of quality-mental traspession and enhancement. Take matter in The EIS should assign to establishing the pods of deficienties in correct condition, and det ning restoracion and extrancement quals (EPA Scotting Commonts, Frant Cortilact) Renawa EIS, Jacuary 1991). In addition, 416 our position that #194564 medium s (solved in ad CPS) tagg 70) should be addressed for adverse shade or alternatives.

#### EPA KOCCOUNTATY, BOTH LONG STATE CONTINUES IN EVEN AS A STATE OF THE STATE OF

measured retirement opiniers conditions, (american regime to the emected future conditions under the action" (Frent Contract Renewall bits EPA/8014 Agreement), February 1892;

Consistent with the CVF.A PE S, the contract measural action and RIS should also be premised on the supplies which may be available in the storing given the inciding storage end conveyance system. This oppolyment of should be retained in as allowances. EPA cost not optiside adding onto at changing the contract of the storage of a should be deligated and options of the storage of a should be deligated as within TIS added of the storage incident action.

#### Alternatives

#### Gééraphic Scéde

Swan the polantial divergent supply options, we argo the Bureau to carefully sonsider the geographic accept for the environment analysis. We escond and divergence of orders are the environment analysis. We escond a few separations are a considered, the enalysis in the environment of the environmen

#### Development of Atlant Visyt V

The CVPIA INSIG distinct destricts or evaluate specific contract elements or strategies. Thus we believe it is critical that the CIS on contract renewals is fit in a cased by availabing different concrect strategies and after allows. We upget the fix end to develop elements contract terms and concrett provide allong internatives for water conservation, tiered petting, conservation goals and performance requirements, water transfers, respectative elements of monitoring. We also retemment consideration of elements common to all anomalities.

At maximable alternatives should be considered including those which may be beyond the Bureau's current statutory author tips or those contrary to the inhibit pristing for the OVP established by Congress at 1937. For example, the Bureau should consider which prevales which provides a soll dedicated yield with a mechanism of on a terrative which provides a soil dedicated yield with a mechanism in provide transitive which provides a soil dedicated yield with a mechanism in provide transitive action to changes in water supply and demand. Varmiting by, (i) include the edicontract quantities on guaranteed the neighborhood.

#### EARCHCEANGUITE CORTONS STAN EXPLINES BEINNING AND A SON CHESTAN THE

Again, we dign an approach when thousan on tieth and management and entrolline officient out of existing supposes.

#### Curwfattive Impacts

Fut discipling all nection and contributions in heats is of special concern. NEAN requires evaluation of indirect and other limits effects which are caused by the action (40 CFR 1508.8b) and 1598.7). Indirect effects may include growth indusing others related to individe thanges in the pation of ithin use, population density or growth rate, and related others on oil and materiand other network less should include ecosystems."

(40 CFR 1508.9b)(), CEC regulations also state that the EIS should include the "This provision applies to indirect effects as well as described CFR 1502.18b)(). This provision applies to indirect effects as well as described by Contract terms and conditions, consider material effects and should be evaluated in the EISC. These indirect effects and should be evaluated in the EISC. These indirect effects and should be expected in the EISC.

We recommend the implierm contract renow a 6/9s include a full evaluation of contrality propers and forthwish adds a psychological and forthwish adds a ground a full provided by the CVPIA PSIS.

10 on the CVPIA PSIS.

#### FIGH BOOK WIIDTITO 1994-93

We recognize the significant progress made through the CVPIA in addressing cagins, which past a tyrings currently the migasts to high end wholes from Pistorical coverations of the CVP. However, the EVPIA and still PEIS has not addressed all local or distinct appears in pasts. For example, first additional stillages within the Upper San Josquis River (i.e., Frisht thirll more not also goaley addressed in the CVPIA. Thus addressed asymptotic may be appropriate when the schema direct, indirect, and currently impacts to tish and widtle in the contact of specific contract networks. The contact theretal ITSs shown exektate the above to inscreen or within on hind whole habits to remark any charges which have been stilleded by water characters and by changes in Fides, timing, and water quality as a result of CVPI water supplies. They evaluation should halow the apparts' and wood are the impacts that may order beyond the contract boundary.

EPA advacates evaluating Endangered Species Act and Clath Water Act completence, requirements, and possible reaffocation of water for environmental completence as part of the contract renewal process. Fo 65 otherwise, may set of the contract renewal process.

#### <u>бел корбория так аба компочения постающей инфактор суч дви типа</u>

opported ties and the inabuty to reasonable water for environmental requirements without percentage if in general. The evaluation of environmental recutions to should consider flows, temberal, temberal, seasonably, and other water quality components and factors of an oal importance to threatened and endangered spaces.

#### Water Quality Insues

We suppose the Sursay consider the water quelity standards discussions and agropments mede in 1972 in degated to the Firshill Confect Personal BIS (Finch). Confect Personal BIS (Finch). Confect Personal BIS (Finch) are recorporated by reference. BITA continues to be fined that water requirements to meet eating and you analysis and protect beneficial uses established by either the EPA or the State of Carthoday (State), pursuant to the federal Cinen Water Act cours he satisfied before calculating water available for confect (reference). Quelto the reset to meet water quality is landards, secretain to highlight the meet for the contracts from the particular at seatons to be given and south the contracts from the contracts.

#### General Water Charley Comments

- 5. Potential impasts to author and ground water quelty shared be july evaluated in the contract tensor. Ether the evaluation should require direction on precision on precision of the product of the
- 2. The EPSs should discuss the processed contract runewals recopidate with PMI4 and local water quality management plant and Stelle-eduption. BPA-approved weter quality standards. EPA recommends that the protection fixing coordinated with the appropriate Poporal Mater Quality Contral Board to ensure protection of water quality and magninance of beneficial uses.
- 3. Evaluate the potential of proposed contract ronewals to cause adverse about o tegacis size as increased attach and not dry in surface water sources: changes in water digitity and quantity, changes in dissolved oxygen, and temperature, and habital deterioration. Induce a discussion on the steam flow impacts of water diversions and tolum flows.
- Identify sensitive equalitiation such as wellands which the currently presen.
   Quiling past and potential beneficial uses of these orders, and disclose potential in pACS from the proposed project.

#### бельм гориненів порудона тийн со<u>ктил (тирыный бор уур</u> д<u>аруды</u>р

5 O soussissed of monitoring programs that are in place or will be implayed to determine potential impacts on surface and checking water quality and beneficial uses. Evaluate whether maintenance and protection of writer quality can be observable.

#### General Constrains

#### Environmentel Justice

In Xeoging with Elective Order 12898, Federal Astrona to Address. Emirronmental dualities in Minoring Papulations and Low-Income Papulations (EQ 12898), the ETS though describe the most was taken by the Bureau to 10 hay analyze the envisormental effects of the proposed federal actor on minority demonstrate, eighteen Tribes, and low-insome populations, and 2) prosent appointments for effected communities to provide next refer next federal envisorments of EQ 12898 are clearly instituted in the Presidence Refered to 12899 are clearly instituted in the Presidence Refered to 12899 are Clearly instituted in the Presidence Refered to 12899 are Clearly instituted and Apendical

#### Communication Water Demands Workshop Handquis.

These commons his based upon a radiant tilony like Handours. This communicy was unable to arrend the Workshop. Thus, we recognize the commons of ow may by we been addressed suring the Workshop and very directorism.

- 1. Demands evenhead that The Gave opment of ellimetes for follow ose should include estimates for environments, needs. In addition, 5, 1, 16 uits estimates must consider the potential effects of different pricing attentives, efficiency measures and methodologies (e.g., into over highligh methods, cropping catterns), land reclaimed groundwater menagement (e.g., conjunctive use), water reclaimst on and recycling, and water turnstels.
- Wity? gramest chain. Beneficial use should be clearly described, advantaging
  period used to measure beneficial use and or are for determining what is beneficial
  use.
- 3. Princess eventiced chert. In spot ton to the principles to the considered, the process should consider modernitation (e.g., improved agricultural process), denoting a beyond historical agricultural polyment, as referred beyond historical agriculturatives (e.g., list) and wild no, while quelity, and conservation. We arge the Suredu to take an economic which encourages a trend towards for made use high value proof.
- Residential Demand overhead that. The description of testident at demand should except the underlying assumptions regarding type of appliances, water atterancy.

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requirements, and type of fendacaping. For instance, the requirements of the Medicagi. Shorter Pointy Act of build be described and fully integrated into the determination of residential demand.

- 5. Non-Residontial Demand gromeous dight. We unge the Durasu to consider a method of determining non-residential demand which is said liceous upon the plate reas amount of water used. Given the requirements of the National Energy Poacy Act and significant advances in con-residential water use conservation, we believe a method beaved upon hypothesis and water use may result in an unusualitizaty high estimate of demand. As for residential demand, the underlying assumptions regarding applicates, water all times and times only a deeping decrease.
- 4) 1s. Interior Demand events ad phart. The Bureau should describe the descriptions used to determine good. Conservation and requirements of the Nutronal Energy Moucy. Act should be fully integrated into the determination of interior Gerhand.
- 7. No. Lands (656 Demand overhead chain. Assumptions againling the type of landscaping and problem methods should be provided. Again, the National Energy Policy Act and conservation regularities should be integrated this the demand calculations.
- 5. 3a Chiscophie 3 for penaficul uses everthead than il Other banelicia uses which must be per sidered Pickele annualmental and invalvem banelicial uses. For instance, non-residential water use loss of supply horder tall herefallal uses, e.g. septing pends, discheroes to water ds.

#### Miscellaneous Commerts

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# LETTER 14

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## Pacific Coast Federation Of Fishermen's Associations

Encernorated: Old Court Goard Building, West Crossy Feel's Tibe Presidia

P.O. Box 20370, San Francisco, California 94129-9370 CINA TR. (415)25145280 Part (415)561-5454

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RE: CVP
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DY FAX

#### 7 December 2000

19 west of Reclamation Mid-Pacific Division. ARI All Conside 2800 Cobage Way Sugamento, CA 95823-1898

Re. Comments on Braft Professional Associations (PAS) for Reversal of Estating Long-torm: Water Service Contracts die Central Valley Project (CVP)

Dear No. Canousni

The Pacific Coast Padyration of Fisherssel's Associations (PCFFA) represents the meet and women of the West Cozen's professional fishing floor. Our members are coppeed in fisheries that depend directly as the quality of CVP imparted rivers, enturies, and newshiles often Californiations

We have joine sed the 6 December letter by Congressing a Gausse Miller to Necretary. Baltoni on the subject of these sourceed contract tenes all, including the insultiments of their environmental review, and this of the Trenty Cours, Dazed of Supervisors of the jume date unline subject. We entirur and color the conterns and recommendations. Congressions, Miller and Termin County.

PÇEPA hat been engaged in the enters CVP contest renewal issue for more than 15. years. Our retrimony before the Council on Link to the intal Quality a dozon years ago. continued of the Administration of decision that SIV Prontings renor a sewould be forpublicative comprehensing energy appears for the We provided for, and socured that same comprehensive environmental review galloy which Congress deficenties the Central -Mailty Project (improvement April CVPIA) (our years letter.)

The Bandal's current proposal to skipt the gubic policy developments of the past 15 years and to deliberately toward the interval the CVPLS by offering upagazing, gargapted-seme-able water sales contains without consideration of the effect may and their proposed successors may have on California a mover, employed, and metabore environments is inexployed a macroplable, and will certainly lead stranger back to the policiest copyright and impainted the issue in the mid-198 by

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The in eliberate of California's grofessional linkermen depending and deserve the "Bureau" virespoints to induce of CNP management. We view the proposal to proceed with the proposal contrate renewally will build adjusts National Environmental Policy Accreview to early in interpolitions by this is their violation of CNPTA policy.

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W. F. (Zeke) Grader Executive Director

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Date 102-8 90-2 3789

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Dear Int Carolina

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Tom Stokely, Senor Plant or Study County Planting Desi PO Box 155 Hayton, CA (6041 552 604 6046

TRIMTY COUNTY BOARD OF NOVERVISIONS IF OF BOX 1254 WILKING LEICA (509)-1073

Dauenteré 2000

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# LETTER 16 STATE OF CALL FORNIA

## Governor's Office of Planning and Research. State Occarreggouse and Planning Unit



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LETTER 16

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### DEPARTMENT OF TRANSPORTATION

P.O. BOY 445073 RECKNOL TO 47040,4073 RECKNOL (1504,725-2167 RAY (800) 204-0040

# LETTER 17



Place surprises. De charge offices

| ISP/CEDA Review | Sha-Tri-Agmin | Sha-Tri-Ag

Golober 1, 2004

614, Bufoto Hos: U.S. Bureau of Reclamation 16349 Shassh Dam Beulevatd Shasta Lake, CA 98019

Dear Air Hair

California IT Ainct 2 has too lowed the Oraft Environmental Assessment and Itraff Find the of No Standard Impact submittee on beauth of the U.S. Subsequet Reclamation, for the disposed Regularim Vector Valley Project water service contract between Regularisation and i Contractors with a the Charte and Transpillator Valoric.

STATE CLEARING ACCIDE

Sused on the project information sugar ped approval at this project will not adversely expandition they under our present duct therefore, we have no parametric

Thank you for providing us the opportunity to review this project. If you have any owned one or 25th ecope of the project changes, plasse out the at \$25-0,953.

Simplerely.

MARCELINO GONIZALEZ Letal Development Review Ostrot 2

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Native American Contacts Shasia Courty Cotober 5, 2014

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LETTER 18

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#### Hativa American Contacta Shasta Gount Country 5, 2004

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