

Working Copy

Application Received 8,16,2018  
Revised App. Received 10,4,2018  
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Re-Notice Issued 11,8,2018

# Application to Appropriate Water

Aliso Water District

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# Application to Appropriate Water

TYPE OR PRINT  
IN BLACK INK  
(For instructions, see  
booklet: "How to File an  
Application to  
Appropriate Water in  
California")



California Environmental Protection Agency

State Water Resources Control Board  
Division of Water Rights  
P.O. Box 2000, Sacramento, CA 95812-2000  
Tel: (916) 341-5300 Fax: (916) 341-5400  
www.waterboards.ca.gov/waterrights

APPLICATION NO. \_\_\_\_\_

APPLICATION TO APPROPRIATE WATER

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	Aliso Water District	Joe Hopkins
		Provost & Pritchard Consulting Group
Mailing Address	13991 Avenue 7	2505 Alluvial Avenue
City, State & Zip	Madera, CA 93637	Clovis, CA 93611
Telephone	559-779-2616	559-326-1100
Fax		559-326-1090
E-mail	roy@onellag.com	Jhopkins@ppeng.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner
- Limited Partnership\*
- Corporation
- Limited Liability Company (LLC)
- Business Trust
- Joint Venture
- General Partnership\*
- Husband/Wife Co-Ownership
- Other Special District

\*Please identify the names, addresses and phone numbers of all partners.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.

During years of above average precipitation, non-contracted water sourced from high flow events is released into the San Joaquin River (SJR). When the lower reaches of the SJR are at capacity water is then diverted from those lower reaches into the Chowchilla Bypass (CBP), located in the unincorporated southwest portion of Madera County, via the bifurcation structure operated by the Lower San Joaquin Levee Control District. The CBP flows north for approximately 14.6 miles before joining the Eastside Bypass. The applicant proposes a temporary permit to capture surface water during high flow events from the CBP for the benefit of the Aliso Water District for ~~groundwater recharge~~ <sup>irrigation from groundwater storage</sup> and flood relief. Unappropriated high flow waters will be diverted from the CBP via multiple existing culverts and non-permanent pump stations. Water will be delivered from the CBP to recharge ponding areas and on farm recharge areas within the District. The landowners will manage the water that ponds and infiltrates on their property and will install portable pumps for the distribution of water to percolate in bermed ponding areas. Flooding during wet years occurs along the Chowchilla and Eastside Bypasses to the north of the project area. The proposed diversion will relieve pressure on the Chowchilla and Eastside flood control facilities, reducing the risk of flooding in Madera, Fresno and Merced Counties.

RG  
10/11/18

Original Appl. Received 8/16/2018

For continuation, see Attachment No. \_\_\_\_\_

check # 1182 \$ 100  
check # 1183 \$ 850

TFW

**4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON**

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
Irrigation from Groundwater Storage					10,000	01/01	06/29
	Total afa		Total afa		10,000		

See Attachment No. \_\_\_\_\_ \* If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be 10,000 acre-feet.

c. Reservoir storage is:  onstream  offstream  underground (If underground storage, attach Underground Storage Form.)

d. County in which diversion is located: Madera County in which water will be used: Madera

**5. SOURCES AND POINTS OF DIVERSION/REDIVERSION**

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_

If needed, attach additional pages, check box below and label attachment

See Attachment No. 1-5

b. State Planar and Public Land Survey Coordinate Description:

POD/PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWNSHIP	RANGE	BASE AND MERIDIAN
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

See Attachment No. 1-5

c. Name of the post office most often used by those living near the proposed point(s) of diversion: Firebaugh--1580 11th Street, Firebaugh, CA 93622-9998

**6. WATER AVAILABILITY**

- a. Have you attached a water availability analysis for this project?  YES  NO  
 If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.

See attachment No. 1-6 for water availability analysis

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See Attachment No. 1-6

- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?  
 YES  NO
- c. In an average year, does the stream dry up at any point downstream of your project?  YES  NO  
 If YES, during which months?  Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec
- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment  
 Private groundwater pumping is utilized.

See Attachment No. \_\_\_\_\_

**7. PLACE OF USE**

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:						

\*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No. 1-7 Please provide the Assessor's Parcel Number(s) for the place of use:

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**8. PROJECT SCHEDULE**

Project is:  proposed,  partially complete or  complete (Year completed - 2018).

Extent of completion: Pumps and diversion points will be temporary in nature. Existing structures will be used.

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Estimated amount of time in years it will take for construction to be completed: < 6 months

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Estimated amount of time in years it will take for water to be put to full beneficial use: < 6 months

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**9. JUSTIFICATION OF AMOUNTS REQUESTED**

a.  IRRIGATION: Maximum area to be irrigated in any one year: 23,168 acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-foot/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
Trees, vines, and row crops	23,168	sprinklers, flooding, drip, etc.	10,000	01/01	06/29

See Attachment No. 1-9

b.  DOMESTIC: Number of residences to be served: \_\_\_\_\_ Separately owned?  
 YES  NO Number of people to be served: \_\_\_\_\_ Estimated daily use per person is:  
 \_\_\_\_\_ gallons per day Area of domestic lawns and gardens: \_\_\_\_\_ square feet  
 Incidental domestic uses:

\_\_\_\_\_ (dust control area, number and kind of domestic animals, etc.)

a.  STOCKWATERING: Kind of stock: \_\_\_\_\_ Maximum number: \_\_\_\_\_  
 Describe type of operation: \_\_\_\_\_  
 (feedlot, dairy, range, etc.)

d.  RECREATIONAL: Type of recreation:  Fishing  Swimming  Boating  Other \_\_\_\_\_

e.  MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

See Attachment No. \_\_\_\_\_

Month of maximum use during year: \_\_\_\_\_  
 Month of minimum use during year: \_\_\_\_\_

f.  HEAT CONTROL: Area to be heat controlled: \_\_\_\_\_ net acres  
 Type of crops protected: \_\_\_\_\_  
 Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
 Heat protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
 (month and day) (month and day)

g.  FROST PROTECTION: Area to be frost protected: \_\_\_\_\_ net acres  
 Type of crops protected: \_\_\_\_\_  
 Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
 The frost protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
 (month & day) (month & day)

h.  INDUSTRIAL: Type of industry: \_\_\_\_\_

Basis for determination of amount of water needed: \_\_\_\_\_

- i.  MINING: Name of the claim: \_\_\_\_\_  Patented  Unpatented  
 Nature of the mine: \_\_\_\_\_ Mineral(s) to be mined: \_\_\_\_\_  
 Type of milling or processing: \_\_\_\_\_  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B. & M.
- j.  POWER: Total head to be utilized: \_\_\_\_\_ feet  
 Maximum flow through the penstock: \_\_\_\_\_ cfs Maximum theoretical horsepower capable of  
 being generated by the works (cfs x fall ÷ 8.8): \_\_\_\_\_  
 Electrical capacity (hp x 0.746 x efficiency): \_\_\_\_\_ kilowatts at: \_\_\_\_\_% efficiency  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B&M. FERC No.: \_\_\_\_\_
- k.  FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and  
 habitat type that will be preserved or enhanced: \_\_\_\_\_
- l.  OTHER: Describe use: \_\_\_\_\_  
 Basis for determination of amount of water needed: \_\_\_\_\_

**10. DIVERSION AND DISTRIBUTION METHOD**

- a. Diversion will be by gravity by means of: \_\_\_\_\_  
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: Temporary (portable) pumps over levee \_\_\_\_\_  
 (sump, offset well, channel, reservoir, etc)  
 Pump discharge rate: 45 net  cfs or  gpd Horsepower: 150 net  
 Pump Efficiency: 70%

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Existing	Earthen	7' deep, 35' wide top, 7' wide bottom	15,840(3mi)		20.5	325 cfs

See Attachment No. \_\_\_\_

d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
See Underground Storage Supplement							

See Attachment No. 2-Underground Storage Supplement

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet
None					

See Attachment No. \_\_\_\_

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be \_\_\_\_\_ cfs. Diversion to offstream storage will be made by:  
 Pumping  Gravity

**11. CONSERVATION AND MONITORING**

a. What methods will you use to conserve water? Explain.  
 Use of high efficiency irrigation equipment like microspray, drip systems, tail water recovery systems, water meters.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water?  Weir  Meter  Periodic sampling  Other (describe)  
 Discharge side of pumping plants will be installed with a flow meter and ponding areas will have staff gauges in place to determine percolation rates. Flow meters will be certified according to SB-88 guidelines.  
 \_\_\_\_\_  
 \_\_\_\_\_

**12. RIGHT OF ACCESS**

a. Does the applicant own all the land where the water will be diverted, transported and used?  
 YES  NO  
 If NO, I  do  do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

See Attachment No. 1-12

**13. EXISTING WATER RIGHTS AND RELATED FILINGS**

a. Do you claim an existing right for the use of all or part of the water sought by this application?  
 YES  NO  
 If YES, please specify:  Riparian  Pre-1914  Registration  Permit  License  
 Percolating groundwater  Adjudicated  Other (specify) \_\_\_\_\_

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

See Attachment No. \_\_\_\_



c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.

None

See Attachment No. \_\_\_\_

**14. OTHER SOURCES OF WATER**

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project?  Yes  No If yes, please explain: Ground water and potential purchases from neighboring water districts

**15. MAP REQUIREMENTS**

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage. See the instruction booklet for more information.

See Attachment No. 1-15

**ENVIRONMENTAL INFORMATION**

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

**16. COUNTY PERMITS**

a. Contact your county planning or public works department and provide the following information:

Person contacted: Stephanie Anagnoson Date of contact: Ongoing  
Department: Department of Water and Natural Resources Telephone: (559)675-7703  
County Zoning Designation:

Ag/Open Space  
Are any county permits required for your project?  YES  NO If YES, check appropriate box below:

- Grading permit  Use permit  Watercourse  Obstruction permit  Change of zoning
- General plan change  Other (explain):

b. Have you obtained any of the required permits described above?  YES  NO  
If YES, provide a complete copy of each permit obtained.

See Attachment No. \_\_\_\_

**17. STATE/FEDERAL PERMITS AND REQUIREMENTS**

- a. Check any additional state or federal permits required for your project:  
 Federal Energy Regulatory Commission  U.S. Forest Service  U.S. Bureau of Land Management  U.S. Corps of Engineers  U.S. Natural Res. Conservation Service  Calif. Dept. of Fish and Game  State Lands Commission  Calif. Dept. of Water Resources (Div. of Safety of Dams)  Calif. Coastal Commission  State Reclamation Board  Other (specify) Central Valley Flood Protection Board (CVFPB)

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
CVFPB	Encroachment	Gary Lemon	5/30/2018	916-574-0649

See Attachment No. \_\_\_\_

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake?  YES  NO  
 If YES, explain:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

See Attachment No. \_\_\_\_

- b. Have you contacted the California Department of Fish and Game concerning your project?  
 YES  NO If YES, name, telephone number and date of contact:

Annette Tenneboe 8/29/2018

**18. ENVIRONMENTAL DOCUMENT**

- a. Has any California public agency prepared an environmental document for your project?  
 YES  NO
- b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: \_\_\_\_\_
- c. If NO, check the appropriate box and explain below, if necessary:  
 The applicant is a California public agency and will be preparing the environmental document.\*  
 I expect that the State Water Board will be preparing the environmental document.\*\*  
 I expect that a California public agency other than the State Water Board will be preparing the environmental document.\* Public agency: \_\_\_\_\_  
 See Attachment No. \_\_\_\_

\* **Note:** When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

\*\* **Note:** CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

**19. WASTE/WASTEWATER**

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?  YES  NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

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See Attachment No. \_\_\_\_

- b. Will a waste discharge permit be required for your project?  YES  NO  
 Person contacted: \_\_\_\_\_ Date of contact: \_\_\_\_\_

- c. What method of treatment and disposal will be used? \_\_\_\_\_

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See Attachment No. \_\_\_\_

**20. ARCHEOLOGY**

- a. Have any archeological reports been prepared on this project?  YES  NO
- b. Will you be preparing an archeological report to satisfy another public agency?  YES  NO
- c. Do you know of any archeological or historic sites located within the general project area?  
 YES  NO If YES, explain:

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See Attachment No. \_\_\_\_

**21. ENVIRONMENTAL SETTING**

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
- Along the stream channel immediately upstream from the proposed point(s) of diversion.
- At the place(s) where the water is to be used.
- See Attachment No. 1-21

**SUBMITTAL FEES**

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website ([www.waterrights.ca.gov](http://www.waterrights.ca.gov)).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

**DECLARATION AND SIGNATURE**

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

*Fray Caterina* \_\_\_\_\_ *President Aliso Viejo Dist.* *10-3-18*  
 Signature of Applicant Title or Relationship Date

\_\_\_\_\_  
 Signature of Co-Applicant (if any) Title or Relationship Date

**Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.**

**“APPLICATION TO APPROPRIATE WATER” CHECKLIST**

**Before you submit your application, be sure to:**

- Answer each question completely.**
- Number, label and include all necessary attachments.**
- Include a legible map that meets the requirements discussed in the instruction booklet.**
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.**
- Include two complete sets of color photographs of the project site.**
- Enclose a check for the required fee, payable to the Division of Water Rights.**
- Enclose an \$850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.**
- Sign and date the application.**

**Send the original and one copy of the entire application to:**

**State Water Resources Control Board  
 Division of Water Rights  
 P.O. Box 2000  
 Sacramento, CA 95812-2000**