

## Summary

# Alternative Compliance Plan for Water Right (A026534)

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## INTRODUCTION

See [Information and Instruction Sheet](#) for assistance in completing this form. The form shall be completed by the water right owner, their agent, or for an Alternative Compliance Plan filed for a group, the designated contact. The vast majority of water right owners should be able to meet the measurement requirements. Participation in an Alternative Compliance Plan does not relieve the participant of the independent obligation to file an online annual Report of Water Diversion and Use.

All sections of the form below must be completed. An incomplete form does not excuse non-compliance with the regulation or release you from the obligation to measure. The Alternative Compliance Plan may not be used to avoid measurement and monitoring, but should be used to describe an alternative method of measurement and monitoring which will provide the information required by the Regulation. Estimated diversion records may not meet the Regulation's accuracy requirements without supporting documentation.

Note: The large text boxes in the form have a character limit of 2,000 characters. Responses requiring more than 2,000 characters for a particular text box should be submitted as an attachment in Section I of this form. Additional information should be attached in Section I.

## SECTION A - WATER RIGHT OWNER INFORMATION

This section of the form describes the information that is required for each water right or claimed right covered under the Alternative Compliance Plan.

In Section I, attach a table (in Microsoft Excel .xlsx, comma-separated .csv, or tab-separated .txt format) containing the Application or Statement Number for each water right covered under the Alternative Compliance Plan. For your water right, answer the questions below.

(1) Owner Name(s) \*

Southern California Edis

(2) Email Address \*

[REDACTED]

(3) Phone Number \*

[REDACTED]

(4) Mailing Address Line 1 \*

[REDACTED]

(5) Mailing Address Line 2:

[REDACTED]

(6) City \*

Big Creek

(7) State \*

CA

(8) Zip Code \*

93605



(9) Is the Water Right Owner also the Primary Contact? \*

☒ Yes

☐ No



On questions 10 through 13, please tell us what you understand the requirements of the regulation to be for this water right to be.

(9) Installation Deadline \*

☒ January 1, 2017

- ☐ July 1, 2017
- ☐ January 1, 2018

**(10) Measurement Accuracy \***

- ☒ 10%
- ☐ 15%
- ☐ Other, as specified in the Alternative Compliance Plan (if submitted)

**(11) Required Monitoring Frequency \***

- ☒ Hourly
- ☐ Daily
- ☐ Weekly
- ☐ Monthly

**(12) Qualifications of the Individual Installing/Certifying \***

- ☐ A California Licensed Professional Engineer (PE), a person working under the supervision of a California PE, a California-licensed contractor authorized by the State License Board for C- 57 well drilling or C- 61 Limited Specialty/D-21 Machinery and Pumps, or a Hydrologist or Engineer employed by a Federal Agency
- ☐ A person trained and experienced in water measurement (for diversions less than 100 acre-feet per year)

## SECTION B - INFORMATION ON PRIMARY CONTACT

This section of the form includes the contact information for the primary contact associated with the Alternative Compliance Plan.

**(1) Name(s): \***

**(2) Phone Number: \***

**(3) Email Address: \***

**(4) Mailing Address Line 1: \***

**(5) Mailing Address Line 2:**

**(6) City: \***

**(7) State: \***

**(8) Zip Code: \***

**(8) The Alternative Compliance Plan Primary Contact is a(n): \***

- ☐ Water Right Owner
- ☐ Agent
- ☐ Designated Contact

## SECTION C - INFORMATION ON QUALIFIED INDIVIDUAL

This section of the form includes the contact information for the Qualified Individual certifying the Alternative Compliance Plan.

|  |   |
|--|---|
| (1) Name(s): *   | Jason Beard   |
| (2) Phone Number: *  |   |
| (3) Email Address: *   |   |
| (4) Mailing Address Line 1: *  |   |
| (5) Mailing Address Line 2:  |   |
| (6) City: *  | Big Creek   |
| (7) State: *   | CA  |
| (8) Zip Code: *  | 93605   |
| (9) The qualifications of the individual certifying the Alternative Compliance Plan are: * | <p><input checked="" type="radio"/> California Licensed Professional Engineer (PE)</p> <p><input type="radio"/> Person working under the supervision of a California Professional Engineer</p> <p><input type="radio"/> California-licensed contractor authorized by the State License Board for C- 57 well drilling or C-61 Limited Specialty/D-21 Machinery and Pumps</p> <p><input type="radio"/> Hydrologist or Engineer employed by a Federal Agency</p> <p><input type="radio"/> Person trained and experienced in water measurement (for diversions of less than 100 acre-feet per year)</p> |
| (10) Qualifying Individual's PE or Contractor license number, if applicable:               | C85109  |

## SECTION D - REQUEST FOR ALTERNATIVE COMPLIANCE

Water right holders who divert more than 10 acre-feet of water per year are required to measure the water they divert. A diverter may choose any measuring device, or combination of devices, that meet the measurement and monitoring requirements of the regulation. The measurement requirements are summarized on the [Reporting and Measurement Webpage](#).

For each box checked in questions 1a through 3 below, submit a detailed explanation and attach substantiating documentation.



(1a) Diverter is seeking alternative compliance from the requirement(s) checked below. \*

- ☐ Measuring Device Location
- ☒ Required Accuracy
- ☒ Certification of Accuracy
- ☒ Installation and Maintenance
- ☐ Monitoring Frequency
- ☐ Telemetry
- ☐ Other (describe in Section 1b)

(1b) Provide additional information for each of the reasons selected in question 1a: \*

This water right encompasses four locations (Camp 61 Creek, Camp 62 Creek, Crater Creek and Chinquapin Creek. All locations divert water into SCE's Ward tunnel for transport to Portal Powerhouse. Camp 62, Crater and Chinquapin Creeks are all measured and aggregated in the report however Camp 61 Creek is not measured. Although there is a gaging station on the Creek, this was abandoned 30 years ago because steep terrain continuously filled in the hydrologic control with rock and silt and accuracy could not be maintained. The terrain is extremely steep and there is no other location for a more accurate gage. Current measurement method cannot meet accuracy and cannot be maintained especially during winter months.

(5000 character max.)

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**(2a) Alternative compliance is being pursued because strict compliance with one or more of the requirements for measuring and monitoring (check all that apply): \***

- ☒ Is not feasible.
- ☐ Would unreasonably affect public trust resources.\*
- ☐ Is unreasonably expensive.\*\*
- ☐ Would result in the waste or unreasonable use of water.

\* Including fish, wildlife, recreation, navigation, and aesthetic values.

\*\* Plans claiming that strict compliance is unreasonably expensive shall be accompanied by an attached supporting cost analysis. The cost analysis should compare the cost of the proposed alternate measuring devices to the cost of the measurement devices required by the Regulation. All Plans shall include a budget and shall identify sources of financing. The budget should provide sufficient detail to show the cost of the proposed alternate measuring devices, the cost of obtaining any necessary permits, and the cost of installation.

**(2b) Provide additional information for each justification selected in question 2a: \***

The location of the abandoned gage (Latitude 37 Deg. 18' 57" longitude -119 Deg. 4 '20") and measurement control/device is on an eastern sloping steep mountainside of the central Sierra Nevada located at 7328' elevation There are no feasible locations for a more accurate gage due to steepness of terrain. It is also not feasible to maintain the control structure due to debris flow and winter icing.

(5000 character max.)

?

**(3a) Alternative compliance is requested under the following categories (check all that apply): \***

- ☐ Highly variable flow rate at point of diversion.
- ☒ Point of diversion is inaccessible a portion of the year due to weather or other on-site conditions.
- ☐ Point of diversion is under tidal influence
- ☐ There is an existing measuring device or measurement method in use.
- ☐ Water is corrosive to measurement equipment.
- ☐ The diversion is measured by another entity (identify entity and method of measurement used).
- ☐ Other (provide complete description in section 3b)

**(3b) Provide additional information for each of the categories selected in question 3a: \***

The location of the abandoned gage and measurement control/device is on an eastern sloping steep mountainside of the central Sierra Nevada located at 7328' elevation There are no feasible locations for a more accurate gage due to steepness of terrain. It is also not feasible to maintain the control structure due to debris flow and winter icing.

(5000 character max.)

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**(4) Alternative Compliance Plans shall include alternative, objective measurement and performance standards that achieve the closest attainable compliance. Describe the measurement or alternative to measurement that will used at each point of diversion in the plan to achieve closest attainable compliance. \***

Alternative compliance can be achieved by subtracting AVMgage flow from the Mono/Bear Conduit and Ward Tunnel Intake flow (USGS Gage #11229500) from Portal Powerhouse AVMflow (USGS Gage #11235500). Additional flow will be attributed to the Camp 61 Creek portion of this water right. The remaining portions /diversion locations will remain out of service (no diversion of water)

to maintain accuracy.

(5000 character max.)

## SECTION E - AREA COVERED BY THE ALTERNATIVE COMPLIANCE PLAN

**Summarize the following for each water right covered by the Alternative Compliance Plan. In Section I, attach maps, aerial photographs, or other renderings showing the area covered by the Alternative Compliance Plan and delineating the acreage of each place of use served. For the area covered by the Alternative Compliance Plan, include a list of assessor's parcel numbers and the current owner of each parcel.**

**(1) Provide a general description of the area covered by the Alternative Compliance Plan. \***

Water is diverted from Florence Lake (and measured) via Ward Tunnel to Portal Forebay and then on to Portal Powerhouse and finally Huntington Lake. Crater Creek water can be diverted into Florence Lake but is out of service as part of this compliance plan. Chinquapin and Camp 62 Creeks are each collected in a round, sharp crested weir and diverted down shafts into Ward tunnel to augment tunnel flows, but are also out of service in this plan. East and west Camp 61 creeks flow directly into Portal Forebay. Additional water is collected from Bear Creek and Edison Lake and diverted into Ward Tunnel (Separate Water Rights). There are no further diversions into Ward tunnel after Portal Forebay and the final aggregated flow is measured at the powerhouse

(5000 character max.)

**(2) Describe all diversion and conveyance works covered by the Alternative Compliance Plan. \***

See attached Maps 1. Ward Tunnel Intake - USGS Gage 11229500 is a Differential Venturi and Broad Crested Weir 2. Mono- Bear Syphon is measured by a Rosemount Differential Pressure Transducer 3. Camp 62 Creek is Measured by a sharp crested weir (Out of Service) 4. Crater Creek is Measured by a sharp crested weir (Out of Service) 5. Camp 61 Creeks are measured by a sharp crested weir with end contractions (abandoned) 6. Portal Forebay and Dam 7. Portal Powerhouse is measured by an Accusonic AVM

(5000 character max.)

**(3) Describe the type(s) of Beneficial Use(s). \***

Hydropower, Recreation at Huntington Lake

(5000 character max.)

**(4) Have you attached a list of assessor's parcel numbers and the current owner of each parcel covered by the Alternative Compliance Plan? (Attachments may be made under Section I of this form.) \***

☐ Yes | ☒ No

## SECTION F - MEASUREMENT AND MONITORING

**(1) For each Point of Diversion listed in the Alternative Compliance Plan, describe how the water is measured. \***

1. Ward Tunnel Intake - USGS Gage 11229500 is a Differential Venturi and Broad Crested Weir 2. Mono- Bear Syphon is measured by a Rosemount Differential Pressure Transducer 3. Camp 62 Creek is Measured by a sharp crested weir (Out of Service) 4. Crater Creek is Measured by a sharp crested weir (Out of Service) 5. Camp 61 Creeks are measured by a sharp crested weir with end contractions (abandoned) 6. Portal Powerhouse is measured by an Accusonic AVM

(5000 character max.)

**(2) Identify the measurement accuracy associated with the measurement devices. \***

1. Ward Tunnel Intake - 5% 2. Mono- Bear Syphon (Pressure Transducers) -2% 3. Camp 62 Creek is (Out of Service) 4. Crater Creek is (Out of Service) 5. Camp 61 Creeks (abandoned in 1987) 6. Portal Powerhouse Accusonic AVM - 1%

(5000 character max.)

**(3) Describe how the accuracy of the Alternative Compliance Plan was calculated. \***

Via USGS acceptance and verification of items #1, #2 and #6. Removing items #3 and #4 and #5 limits inaccuracies. Check measurements with a portable AVM for item #2

(5000 character max.)

## SECTION G - IMPLEMENTATION SCHEDULE (IF NECESSARY)

**(1) If applicable, describe the implementation schedule for the Alternative Compliance Plan, including objective milestones from date of filing through final implementation. Milestones should include date of completion for construction and testing, expected dates of issuance of required permits, and expected date for compliance with the California Environmental Quality Act:**

This can be effective on 1/1/2017 if compliance plan accepted

(5000 character max.)

**An Alternative Compliance Plan shall be submitted and implemented by the established regulatory deadlines (see form instructions for additional information) unless a Request for Additional Time has been granted.**

## SECTION H - OTHER PERMITS

**(1) Describe any other permits required to implement the Alternative Compliance Plan. Include information on the agency that will issue the permit, and the expected date of issuance.**

None required

(5000 character max.)

## SECTION I - ATTACHMENTS



**(1) Attach documents that support the Alternative Compliance Plan.**

Choose File

No file selected

Upload

(Uploaded files:)

0%

**(2) Provide a brief description of the attached documents.**

Maps of all diversion measurement points. Unable to upload due to file size limits. Maps available upon request

(5000 character max.)

## SECTION J - IMPORTANT INFORMATION AND SIGNATURES

Each participant in an Alternative Compliance Plan (Plan) must sign this form or an "opt-in" form that must be retained by the Plan manager. Attach a listing of participants, as needed, in Microsoft Excel .xlsx, comma-separated .csv, or tab-separated .txt format. By signing this form or the Plan's "opt-in" form, each Plan participant acknowledges that the Plan will be timely implemented and that the measurement of diversions will substantially comply with the Measurement Regulation. Further, each Plan participant acknowledges that the water rights covered by the Plan will not be exercised outside the scope of the Plan. Each Plan participant is responsible for promptly informing the Division of Water Rights or Delta Watermaster, as appropriate, if the participant withdraws from the Plan. The Plan manager is responsible for promptly informing the Division of Water Rights or the Delta Watermaster, as appropriate, if the Plan is modified or abandoned or if the Implementation Schedule is adjusted.

I hereby certify that the information in this Alternative Compliance Plan is true to the best of my knowledge and belief and that the Alternative Compliance Plan is in compliance with the requirements of Title 23, Division 3, Chapter 2.8, Section 931 through 938 of the California Code of Regulations. \*

☒ Yes | ☐ No

Printed Name \*

Andrew McMillan

Division of Water Rights and Delta Watermaster staff may or may not evaluate the contents of an Alternative Compliance Plan at the time of receipt. Staff will initially determine if all the information has been filled out, and accept the Alternative Compliance Plan as complete or return it as incomplete. An Alternative Compliance Plan may be reviewed for compliance purposes at any time or as part of a systematic audit.