

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #	
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Project Title: Bohannon Dam Automation Project

Lead Agency: Reclamation District No. 1500

Contact Person: Roger Cornwell

Mailing Address: 15094 Cranmore Road

Phone: 530-738-4423

City: Robbins

Zip: 95676

County: Sutter

Project Location: County: Sutter

City/Nearest Community: Robbins, CA

Cross Streets: Reclamation Road and Varney Road

Zip Code: 95676

Lat. / Long. (degrees, minutes, and seconds): ° ' " N/ ° ' " W

Total Acres:

Assessor's Parcel No.:

Section:

Twp.:

Range:

Base:

Within 2 Miles: State Hwy #: SR 113

Waterways:

Airports: private airport

Railways:

Schools:

Document Type:

- | | | | |
|---|--|------------------------------------|--|
| CEQA: <input type="checkbox"/> NOP | <input type="checkbox"/> Draft EIR | NEPA: <input type="checkbox"/> NOI | Other: <input type="checkbox"/> Joint Document |
| <input type="checkbox"/> Early Cons | <input type="checkbox"/> Supplement/Subsequent EIR | <input type="checkbox"/> EA | <input type="checkbox"/> Final Document |
| <input type="checkbox"/> Neg Dec | (Prior SCH No.) <u> </u> | <input type="checkbox"/> Draft EIS | <input type="checkbox"/> Other <u> </u> |
| <input checked="" type="checkbox"/> Mit Neg Dec | Other <u> </u> | <input type="checkbox"/> FONSI | |

Local Action Type:

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> General Plan Update | <input type="checkbox"/> Specific Plan | <input type="checkbox"/> Rezone | <input type="checkbox"/> Annexation |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Master Plan | <input type="checkbox"/> Prezone | <input type="checkbox"/> Redevelopment |
| <input type="checkbox"/> General Plan Element | <input type="checkbox"/> Planned Unit Development | <input type="checkbox"/> Use Permit | <input type="checkbox"/> Coastal Permit |
| <input type="checkbox"/> Community Plan | <input type="checkbox"/> Site Plan | <input type="checkbox"/> Land Division (Subdivision, etc.) | <input checked="" type="checkbox"/> Other <u> </u> |

Development Type:

- | | |
|--|--|
| <input type="checkbox"/> Residential: Units <u> </u> Acres <u> </u> | <input type="checkbox"/> Transportation: Type <u> </u> |
| <input type="checkbox"/> Office: Sq.ft. <u> </u> Acres <u> </u> Employees <u> </u> | <input type="checkbox"/> Mining: Mineral <u> </u> |
| <input type="checkbox"/> Commercial: Sq.ft. <u> </u> Acres <u> </u> Employees <u> </u> | <input type="checkbox"/> Power: Type <u> </u> MW <u> </u> |
| <input type="checkbox"/> Industrial: Sq.ft. <u> </u> Acres <u> </u> Employees <u> </u> | <input type="checkbox"/> Waste Treatment: Type <u> </u> MGD <u> </u> |
| <input type="checkbox"/> Educational <u> </u> | <input type="checkbox"/> Hazardous Waste: Type <u> </u> |
| <input type="checkbox"/> Recreational <u> </u> | <input type="checkbox"/> Other: <u> </u> |
| <input checked="" type="checkbox"/> Water Facilities: Type <u>irrigation dam</u> MGD <u> </u> | |

Project Issues Discussed in Document:

- | | | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Aesthetic/Visual | <input type="checkbox"/> Fiscal | <input checked="" type="checkbox"/> Recreation/Parks | <input checked="" type="checkbox"/> Vegetation |
| <input checked="" type="checkbox"/> Agricultural Land | <input checked="" type="checkbox"/> Flood Plain/Flooding | <input checked="" type="checkbox"/> Schools/Universities | <input checked="" type="checkbox"/> Water Quality |
| <input checked="" type="checkbox"/> Air Quality | <input checked="" type="checkbox"/> Forest Land/Fire Hazard | <input checked="" type="checkbox"/> Septic Systems | <input checked="" type="checkbox"/> Water Supply/Groundwater |
| <input checked="" type="checkbox"/> Archeological/Historical | <input checked="" type="checkbox"/> Geologic/Seismic | <input checked="" type="checkbox"/> Sewer Capacity | <input checked="" type="checkbox"/> Wetland/Riparian |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Minerals | <input checked="" type="checkbox"/> Soil Erosion/Compaction/Grading | <input checked="" type="checkbox"/> Growth Inducement |
| <input type="checkbox"/> Coastal Zone | <input checked="" type="checkbox"/> Noise | <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Land Use |
| <input checked="" type="checkbox"/> Drainage/Absorption | <input checked="" type="checkbox"/> Population/Housing Balance | <input checked="" type="checkbox"/> Toxic/Hazardous | <input checked="" type="checkbox"/> Cumulative Effects |
| <input checked="" type="checkbox"/> Economic/Jobs | <input checked="" type="checkbox"/> Public Services/Facilities | <input checked="" type="checkbox"/> Traffic/Circulation | <input type="checkbox"/> Other: <u> </u> |

Present Land Use/Zoning/General Plan Designation:

AG-80 Agriculture

Project Description: (please use a separate page if necessary)

See attached

Note: The state Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

<input type="checkbox"/> Air Resources Board	<input type="checkbox"/> Office of Historic Preservation
<input type="checkbox"/> Boating & Waterways, Department of	<input type="checkbox"/> Office of Public School Construction
<input type="checkbox"/> California Emergency Management Agency	<input type="checkbox"/> Parks & Recreation, Department of
<input type="checkbox"/> California Highway Patrol	<input type="checkbox"/> Pesticide Regulation, Department of
<input type="checkbox"/> Caltrans District # _____	<input type="checkbox"/> Public Utilities Commission
<input type="checkbox"/> Caltrans Division of Aeronautics	<input type="checkbox"/> Regional WQCB # _____
<input type="checkbox"/> Caltrans Planning	<input type="checkbox"/> Resources Agency
<input type="checkbox"/> Central Valley Flood Protection Board	<input type="checkbox"/> Resources Recycling and Recovery, Department of
<input type="checkbox"/> Coachella Valley Mountains Conservancy	<input type="checkbox"/> S.F. Bay Conservation & Development Commission
<input type="checkbox"/> Coastal Commission	<input type="checkbox"/> San Gabriel & Lower L.A. Rivers and Mtns Conservancy
<input type="checkbox"/> Colorado River Board	<input type="checkbox"/> San Joaquin River Conservancy
<input type="checkbox"/> Conservation, Department of	<input type="checkbox"/> Santa Monica Mountains Conservancy
<input type="checkbox"/> Corrections, Department of	<input type="checkbox"/> State Lands Commission
<input type="checkbox"/> Delta Protection Commission	<input type="checkbox"/> SWRCB: Clean Water Grants
<input type="checkbox"/> Education, Department of	<input type="checkbox"/> SWRCB: Water Quality
<input type="checkbox"/> Energy Commission	<input type="checkbox"/> SWRCB: Water Rights
<input type="checkbox"/> Fish & Wildlife Region # _____	<input type="checkbox"/> Tahoe Regional Planning Agency
<input type="checkbox"/> Food & Agriculture, Department of	<input type="checkbox"/> Toxic Substances Control, Department of
<input type="checkbox"/> Forestry and Fire Protection, Department of	<input type="checkbox"/> Water Resources, Department of
<input type="checkbox"/> General Services, Department of	
<input type="checkbox"/> Health Services, Department of	<input type="checkbox"/> Other _____
<input type="checkbox"/> Housing & Community Development	<input type="checkbox"/> Other _____
<input type="checkbox"/> Native American Heritage Commission	

Local Public Review Period (to be filled in by lead agency)

Starting Date 5/25/2023 Ending Date 6/23/2023

Lead Agency (Complete if applicable):

Consulting Firm: <u>Environmental Science Associates</u>	Applicant: <u>RD 1500</u>
Address: <u>2600 Capital Ave, Suite 200</u>	Address: <u>15094 Cranmore Road</u>
City/State/Zip: <u>Sacramento, CA 95816</u>	City/State/Zip: <u>Robbins, CA 95676</u>
Contact: <u>Todd Gordon</u>	Phone: <u>530-738-4423</u>
Phone: <u>916-564-4500</u>	

Signature of Lead Agency
Representative:



Date: 5-17-2023

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Project Description: The primary purpose of an open canal irrigation system is to accurately deliver on-demand water to farmers at consistent requested flow rates. Even with a highly skilled and trained workforce, efficient on-demand operation of canals is a big challenge when manually operated. Unpredictable water levels and potential shortages of water can occur. To ensure that the requested flow rates are delivered to farmers, canals are generally operated by supplying excess water from the head-works to ensure supply to farmers. This approach often results in operational spills which limit the availability of water for crop production or other beneficial use. With an increasing focus on system operations efficiency, there is a growing awareness of the importance of eliminating or capturing canal and farm spills for reuse, while at the same time improving service levels to farmers.

Currently the Bohannon Dam structure requires constant monitoring by staff and manually adapting the system to maintain operational water levels resulting in lost water, varying water levels and varying flow rates. This results in lowering water efficiency and service levels.

Preventing lost water past the Bohannon Dam structure would allow the utilization of the water to contribute to multiple beneficial uses throughout the year, including flood control, sustained crop production, stream augmentation, preservation of wildlife habitat and food for migratory birds and native fish species, improved river health, Sutter Basin flood control, and assisting with river compact compliance.

A new Bohannon Dam structure would be fitted with six Rubicon SlipGates (or check structures). These check structures are 100% watertight when the SlipGates are in their closed position, allowing the check structure to pass zero flow downstream when there is no flow demand scheduled. The SlipGates have been selected to meet the required discharge capacity per SMWC guidelines for the head work check structure. In addition, one trash rack would be added to the Bohannon Dam structure.

The new Bohannon Dam or Water Control Facility would be managed by a central SCADA system, Rubicon SCADAConnect Live that precisely controls the flows in the Main Canal past the new Bohannon Dam. Rubicon's cloud-based software would provide remote and precise management of water by writing gate position set points to each check structure to precisely match all water extractions including farmer water deliveries upstream and maintain required water level for operational efficiencies.