Ivanhoe PUD Community Review

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8 COMMUNITY PILOT PROJECTS

Evaluation of Potential Community Pilot Projects

The goal of the community review process was to further evaluate and perform a specific pilot study review of several communities that face water supply challenges in order to ground truth the potential solutions identified and to help develop a roadmap to implement applicable alternative solutions. The roadmap that is developed with the assistance of the community review process will be useful to guide other communities considering the same types of solutions.

For each pilot study, a Pilot Project Stakeholder Advisory Group (PSAG) was formed to provide review of the pilot study, and advise on potential communities to provide outreach efforts as part of a community review process. Members of the PSAG for the New Source pilot study included representatives from CDPH, DWR, Central Valley RWQCB, Tulare County, Fresno County, Kings County, Kern County, Tulare County LAFCo, USDA, Rural Community Assistance Corporation (RCAC), California Rural Legal Assistance Foundation (CRLAF), United Way, as well as various water districts and community representatives.

The community review process involved conducting community review meetings to ground truth findings, to learn about what the residents in the community review focus area need and want, and to assess their thoughts regarding the proposed alternatives presented within the draft pilot study. Participants in the community review process included board members, owners, operators, and residents of communities specifically selected as having potential to implement a New Source type alternative.

DRAFT

8.2 Ivanhoe Community Pilot Project

8.2.1 Description of Ivanhoe Public Utility District

Ivanhoe, an unincorporated community in Tulare County, is located in the northwest portion of the County, northeast of Visalia. The Ivanhoe PUD, formed in October 1951, has a primary function of providing domestic water and sanitary sewer service to residents within the community. Domestic water and sanitary sewer collection, treatment, and disposal are the primary services provided by the Ivanhoe PUD that are subject to a MSR.

Ivanhoe is located along State Route (SR) 216 approximately 7 1/2 miles northeast of downtown Visalia. The community is rectangular in shape and is bisected in a northwest-southeasterly direction by the San Joaquin Valley railroad tracks. North-south railroad crossings exist along Road 156, Road 159, and Road 160 (Depot Drive). East-west railroad crossing exist along Avenue 332, Avenue 330, and SR 216. Ivanhoe is an agriculturally oriented service community surrounded on all sides by lands in agricultural production, scattered rural residential uses and vacant land.

Water System Description

The Ivanhoe PUD is responsible for providing domestic water service within the District's Boundary. Ivanhoe's water supply is derived from five deep underground wells that pump at a consistent water level between 250 and 350 feet. According to District staff, the five wells provide water supply requiring no chlorination or treatment. District staff indicated that the production capacity of the wells ranges between 360 and 950 gallons per minute (gpm) and that the five wells have a total maximum production capacity of approximately 3,091 gpm. Wells are located throughout the community at locations identified below.

- Well No. 1 – Southeast corner of the Azalea Avenue and Manzanita Road intersection
- Well No. 2 – Southeast corner of the Fuchsia Avenue and Manzanita Road intersection
- Well No. 3 – Northwest corner of the Avenue 332 and Road 160 intersection (closed)
- Well No. 4 – Northwest corner of the Jasmine Avenue and Road 158 intersection
- Well No. 5 – East of the Aspen Avenue and Manzanita Road intersection
- Well No. 6 – Northeast corner of the Road 156 and Avenue 330 intersection
- Well No. 7 – East of the Lantana Avenue and Road 160 intersection
- Well No. 8 – Southwest of the intersection of Grove St. and Avenue 327

As previously indicated, only five of the eight wells are in operation, as Well No. 3 was lost in 1990 after DBCP contamination (from grape chemicals) was found. The loss of the well resulted in an $800,000 settlement being awarded to the District. The District indicated that the community water system (as of August 2004) supports 1,114 single and multi-family residential connections. The District was unsure exactly how many commercial connections were on the system, but estimated that there is approximately

1,200 total connections to the system. The Ivanhoe PUD water system has been fully metered since 1991. Since then the District has billed customers based upon a metered usage. Water consumption data indicated that there was an immediate decrease in domestic water usage as a result of metering.

Wastewater System Description

The Ivanhoe PUD is also responsible for providing sanitary sewer collection, treatment, and disposal services to residents within its Boundary. The District indicated that as of August 2004 there were 1,114 single and multi-family residential connections to the sewer system managed by the Ivanhoe PUD. District staff estimated that there are approximately 1,200 total connections to the system. Raw sewage is collected in a series of collection pipes ranging in size from 4 to 15 inches (including Vitrified Clay Pipe and Polyvinyl Chloride Pipe) and then transported to a WWTF that is owned and operated by the Ivanhoe PUD.

The District operates a WWTF located southwest of the community west of the Avenue 324/Road 156 intersection. The WWTF is operated under the provisions of Order No. 98-090 issued by the California Regional Water Quality Control Board (RWQCB). The District's WWTF provides secondary treatment of wastewater via a clarigester, three stabilization ponds, and a sludge drying bed. Treated effluent from the third stabilization pond is recycled on 61.2 acres of pasture land south of the WWTF, which is leased by the District for grazing of non-milking cattle. Industrial developments discharging to the WWTF are primarily citrus packing plants. Order No. 98-090 prescribes that the monthly average daily discharge shall not exceed 0.56 MGD.

Financial

Reviewing the District's budget for the current and previous fiscal years indicates that the District is financially stable with regard to its sewer and water funds. The District's annual revenues cover the annual operating expenses of the District including reserve allocations and contingency appropriations.

The District generally requires new development projects to construct the necessary infrastructure to serve their development. A program of developer obligated infrastructure improvements provides for the installation of physical infrastructure to serve development sites and therefore relieves the financial obligation of the District. Developers are also required to pay fees for rights to water and sewer capacity, which are ultimately used by the District for capital capacity improvements including, but not limited to, additional wells, storage facilities, or capital WWTF improvements. These fees are set by the Board of Directors by resolution, and are allocated to a restricted reserve account.

Rates

Water rates consist of a base of $16.75 plus $0.49/100 cf per month. The average monthly water rates lie between $20 and $25 per month.

Fees

The District requires development projects to pay fees for water and sewer capacity rights, which are currently set at $1,700 and $1,890 per EDU, respectively.

Previous Funding Applications

Ivanhoe PUD has submitted (July 6, 2011) an application to the CDPH Proposition 84 Funding Program for the purposes of constructing a Test Well Project (Well No. 9).

A copy of the Application is included in **Appendix J**.

8.2.2 Challenges Faced by Ivanhoe Public Utility District

The challenges faced by the Ivanhoe Public Utility District include:

- Disadvantaged Community
- Increasing Nitrate concentrations in Wells, presence of DBCP, TCP
- Undersized water distribution mains in a portion of the District
- Some water distribution valves do not close completely
- No water storage
- Although information available from the Department of Water Resources indicate that the standing water elevation of agricultural wells in the vicinity of Ivanhoe have declined by approximately 50 feet since the mid 1980's, the District indicated that standing water levels of the municipal wells have not been significantly impacted. It is recommended that in light of the current drought, the District monitor the water levels of the water supply wells on a regular basis.

8.2.3 Goals of the Ivanhoe Community Pilot Project

The goals of the Ivanhoe Community Pilot Project included:

- Provide information to the community participants about the goals and objectives of the Tulare Lake Basin DAC study and the New Source Pilot Study.
- Develop an understanding of the local water and wastewater challenges faced by the community.
- Provide preliminary alternative solutions identified in the New Sources pilot study.
- Obtain feedback on the preliminary alternative solutions identified.
- Provide recommendations to the community for future actions to consider.
- Develop Decision Trees that represent past and potential actions for Ivanhoe PUD to consider.

8.2.4 Description of the Ivanhoe Community Pilot Project

Authorization to Include Ivanhoe PUD in the DAC Study

Michael Taylor of Provost & Pritchard and Maria Herrera of Community Water Center attended a regularly scheduled Board Meeting of the Ivanhoe Public Utility District on November 4, 2013. Mr. Taylor briefly described the Disadvantaged Community Study that was being conducted and requested the Ivanhoe Public Utility District authorize its inclusion in the Study through the Community Pilot Project process. The Board of Directors of the Ivanhoe Public Utility District authorized the participation.

Pilot Project Activities Summary

1. Obtain and review records
2. Meet with District and operations staff
3. Discussions with CDPH – regulatory and funding
4. Review potential of physical consolidation with Cal Water (City of Visalia)
5. Review past funding application
6. Prepare draft Decision Trees
7. Conduct a Community Review Meeting
8. Summarize activities
9. Provide recommendations for District consideration

Community Review Meeting

A community meeting was held on February 12, 2014 at the Ivanhoe Public Utility District office (minutes of the meeting are included in **Appendix J**). The meeting was attended by one Ivanhoe PUD Board Member, residents of the Ivanhoe community, Community Water Center, and Provost & Pritchard. The meeting was organized and facilitated by Maria Herrera and Susana DeAnda of Community Water Center. Michael Taylor of Provost & Pritchard Consulting Group provided information on the overall Tulare Lake Basin Disadvantaged Community Study, a general description of Decision Trees, and the alternatives that may be viable for Ivanhoe to consider to address its water supply challenges. All attendees were encouraged to ask questions and provide any additional information for the study.

Each of the nine (9) generic water supply alternatives were described and discussed regarding the potential relevance to the community of Ivanhoe.

Physical Consolidation

The potential of a physical connection to the City of Visalia (Cal Water) was reviewed during this process. The Urban Area Boundary of the City of Visalia encroaches to the Ivanhoe WWTP. However, an extension of the Cal Water system from Houston Avenue would require approximately 4 miles of pipeline and a crossing of the St. Johns River. If a connection was constructed, it would be recommended that a water storage tank be included in the construction to allow for delivery of water to Ivanhoe during off peak periods. The capital cost of a physical connection to the City of Visalia system would significantly exceed the capital cost of constructing a new water supply well for the community of Ivanhoe.

It was apparent during the community review meeting that Ivanhoe residents would prefer to explore the construction of a new water supply well for Ivanhoe prior to other

alternatives such as consolidation with the City of Visalia system. Primary considerations include potential loss of local control and the uncertainty of future water rates from a private water company.

An Exhibit that includes the Urban Development Boundary for the City of Visalia is included as **Appendix J**.

Exchanges/Contracting for Surface Water or other sources

The Ivanhoe Public Utility District does not presently own surface water rights. Although the Ivanhoe Irrigation District is adjacent to the Ivanhoe Public Utility District, the requirements of purchasing surface water, contracting for conveyance to the District, constructing a surface water treatment plant, and operation of a surface water treatment plant are extensive and do not warrant further consideration at this time.

Recharge of Local Area

A review of the Ivanhoe Irrigation District Water Conservation Plan (1998) confirms that the Ivanhoe Irrigation District uses groundwater recharge areas when the U.S. Bureau of Reclamation make non-storable water available. The Ivanhoe Public Utility District is located adjacent to the Ivanhoe Irrigation District and therefore benefits from said groundwater recharge activities.

Regional Facility

Ivanhoe PUD is not located near other communities facing similar challenges.

New Water Supply Well

The Ivanhoe PUD recently (2013) constructed a new water supply well (Well No. 8). Ivanhoe PUD has determined that the near term preferred alternative is to pursue the construction of a new water supply well. An application for financial assistance to perform the hydrogeologic study, construct up to two (2) test wells, and define design criteria for a new water supply well had been submitted to the CDPH in 2011. A site for the test well has been defined.

Water Treatment Facility

Install ion exchange to remove nitrates in the raw water. Based on the existing water quality data, the ion exchange process would be the best option for nitrate removal in Ivanhoe. The ion exchange process involves a special media that will remove nitrates from the water and store the nitrate in the media. When the media becomes incapable of removing any more nitrate, it must be regenerated. This regeneration is accomplished by pumping a concentrated salt solution (brine) through the media. This spent brine solution must be disposed of properly; either discharged to a wastewater treatment plant or hauled off site to a centralized brine treatment facility.

> *Pros* – Water Treatment processes exist that can remove nitrates in the water regardless of nitrate concentrations in the raw water. Ion exchange is a relatively simple treatment process with no chemical addition or hazardous waste to dispose.

Cons – A water treatment plant would require a supplement to the existing Water Supply Permit, additional testing and reporting requirements, and additional water operator certificate requirements. Sufficient property would be required for the treatment facilities. The capital cost and ongoing O&M costs may be too high for the customers. Capital costs may be also require some indebtedness if a grant is not available for the capital costs. All Central Valley wastewater treatment plants have an electroconductivity (EC) limit. The brine discharged from an ion exchange process is very high in EC and may cause issues at the wastewater treatment plant. The cost of alternative brine disposal (part of the O&M costs) may be too high for the customers.

Blending

Blending of water may be an alternative to consider to mitigate the high nitrate concentrations in several of the District's water supply wells. Well No. 3 and Well No. 8 presently supply water that meets the regulatory limits for nitrate. Typical requirements of the CDPH would include achieving a blended nitrate concentration of less than 35 mg/l. Blending of the water would require construction of transmission mains from the wells that exceed nitrate limits to a water storage tank to be used as the blending site. Water from the potable supply wells would also be delivered to the blending tank in quantities that would achieve the necessary final nitrate concentration. Water would not be delivered from the water storage tank to the distribution system until testing confirmed the nitrate concentration was below the requirements.

It is noted that Well No. 3 is approximately 53 years old and only produces approximately 360 gpm.

If the District determined to pursue blending as a treatment alternative, the potential location(s) of a water storage tank site would need to be determined. Analysis would include the design criteria of the blending tank, design criteria of water transmission mains, an operational plan for the blending tank, capital cost, operational cost, availability of funding assistance, and a comparison of the benefits of blending to the construction of new potable water supply wells.

Conservation

Ivanhoe PUD presently utilizes water meters. The Ivanhoe PUD is presently reviewing the establishment of water conservation policies and/or public education associated with water conservation.

Restrict Potable Water Deliveries from Agricultural or Large Turf Irrigation

The Ivanhoe school presently owns and operates a private well for irrigation purposes. There are no other identified significant non potable water uses within the District.

Mitigate a Source of Contamination

This alternative does not apply to the circumstances of the Ivanhoe PUD, the source of nitrates may not be mitigated.

The contaminants identified as TCP and DBCP may be subject to legal action to receive compensation for damages sustained. The legal action may result in monetary compensation that may be used for the construction of new water supply wells that can avoid the contamination.

8.2.5 Recommended Future Actions and Schedule

1. Place Wells No. 2 and No. 7 as standby in the Water Supply Permit.

2. Update the Funding Application for a new water supply well with the additional consideration that the District does not have a sufficient water supply.

3. When funding becomes available, perform a hydrogeological study of the area to determine if potable water supply is available. Construct a test well to confirm the availability of sustainable potable water. Utilize the hydrogeological study to immediately explore the location for future well sites.

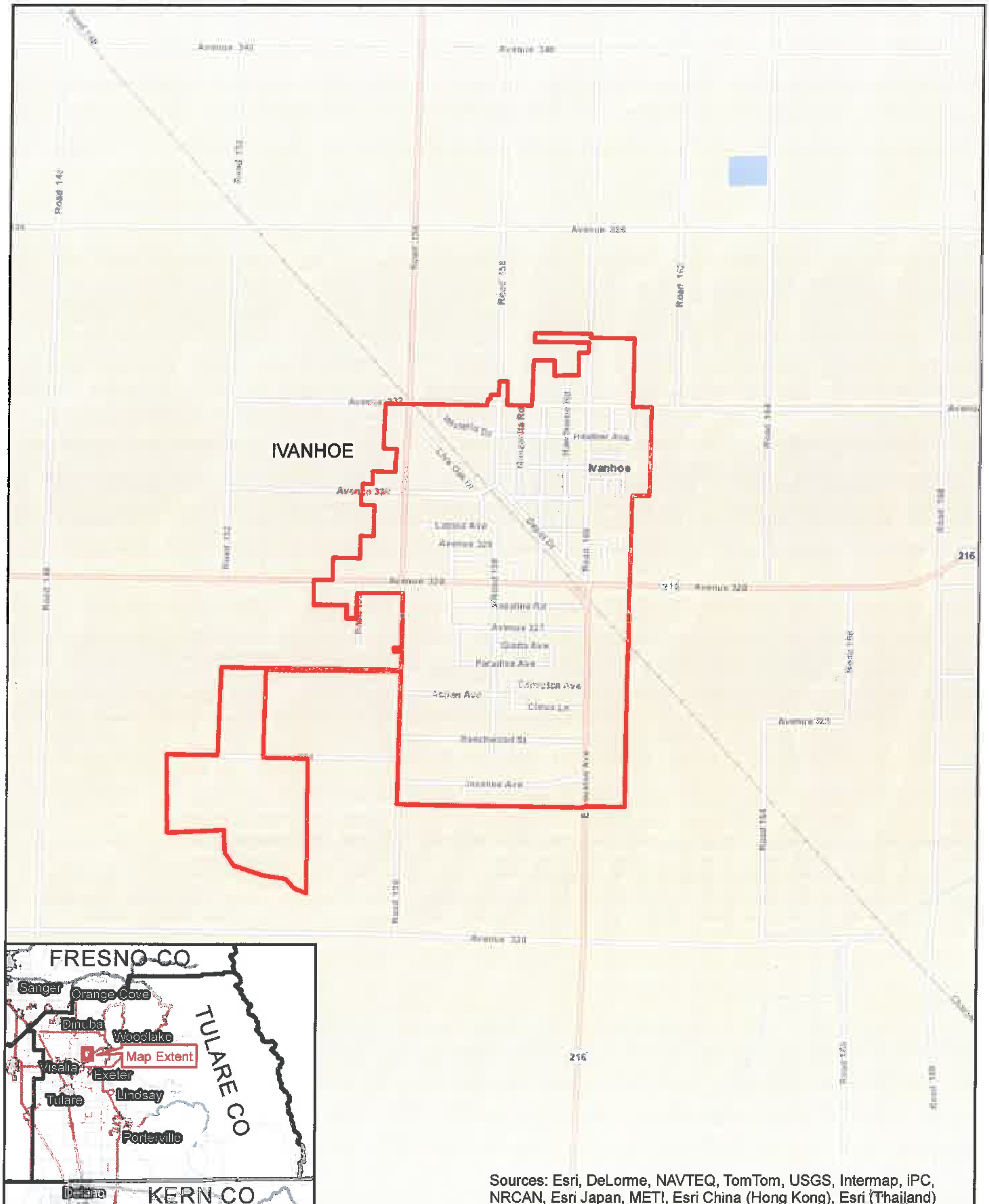
4. Proceed with funding and construction of a water supply well.

5. Consider the review of blending new water supply wells with either of the standby water supply wells for the purposes of achieving acceptable Nitrate levels. This review would include the review of potential water storage tank sites.

6. It is recommended that the District maintain interest in the Kaweah River Basin IRWMP as it may be available as a vehicle to utilize to apply for funding assistance for future water supply improvements.

Financial analysis of any proposed projects would need to evaluate affordability, revenue sources, estimated capital costs, estimated operation and maintenance costs, estimated debt service and proposed rate adjustments, if needed, and their impact on the community.

During the feasibility study and alternatives analysis it is important to provide information to the public through public meetings and presentations. It is important for the community to understand and be involved with any changes to their water and wastewater systems. Due to the large Spanish speaking population in the community, it is important to have materials translated into Spanish and have interpreters available at any public meetings. An informed community may be more likely to become involved in the process and have a constructive voice in determination of any recommended improvements.



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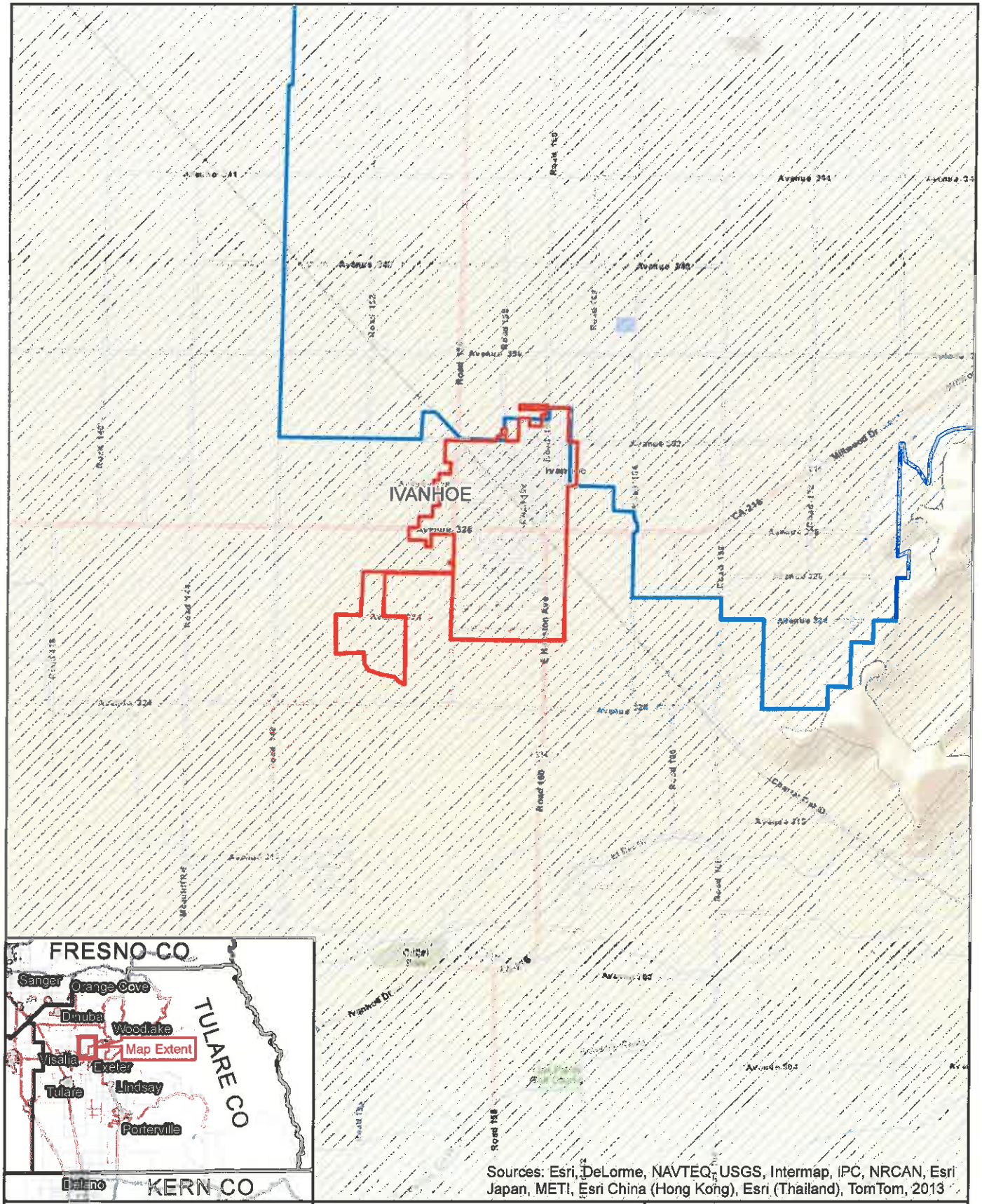
286 W. Cromwell Ave.
Fresno, CA 93711-6162
(559) 449-2700

Legend

Community

Tulare Lake Basin Disadvantaged Community Water Study



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(559) 449-2700

Legend

- Community
- Ivanhoe ID
- Kaweah River Basin IRWM

Tulare Lake Basin Disadvantaged Community Water Study

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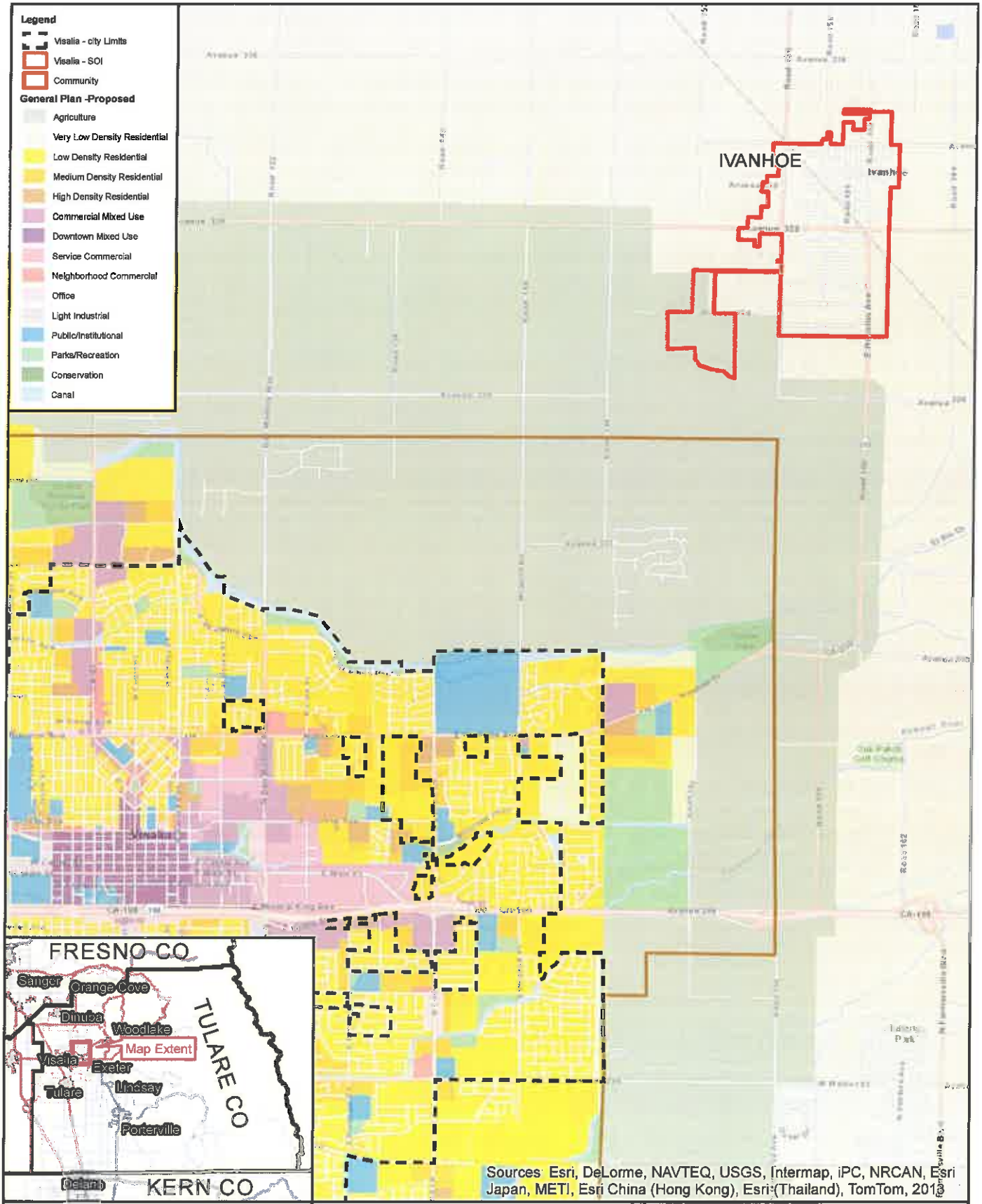

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Fresno, CA 93711-6162
(559) 449-2700

Tulare Lake Basin Disadvantaged Community Water Study

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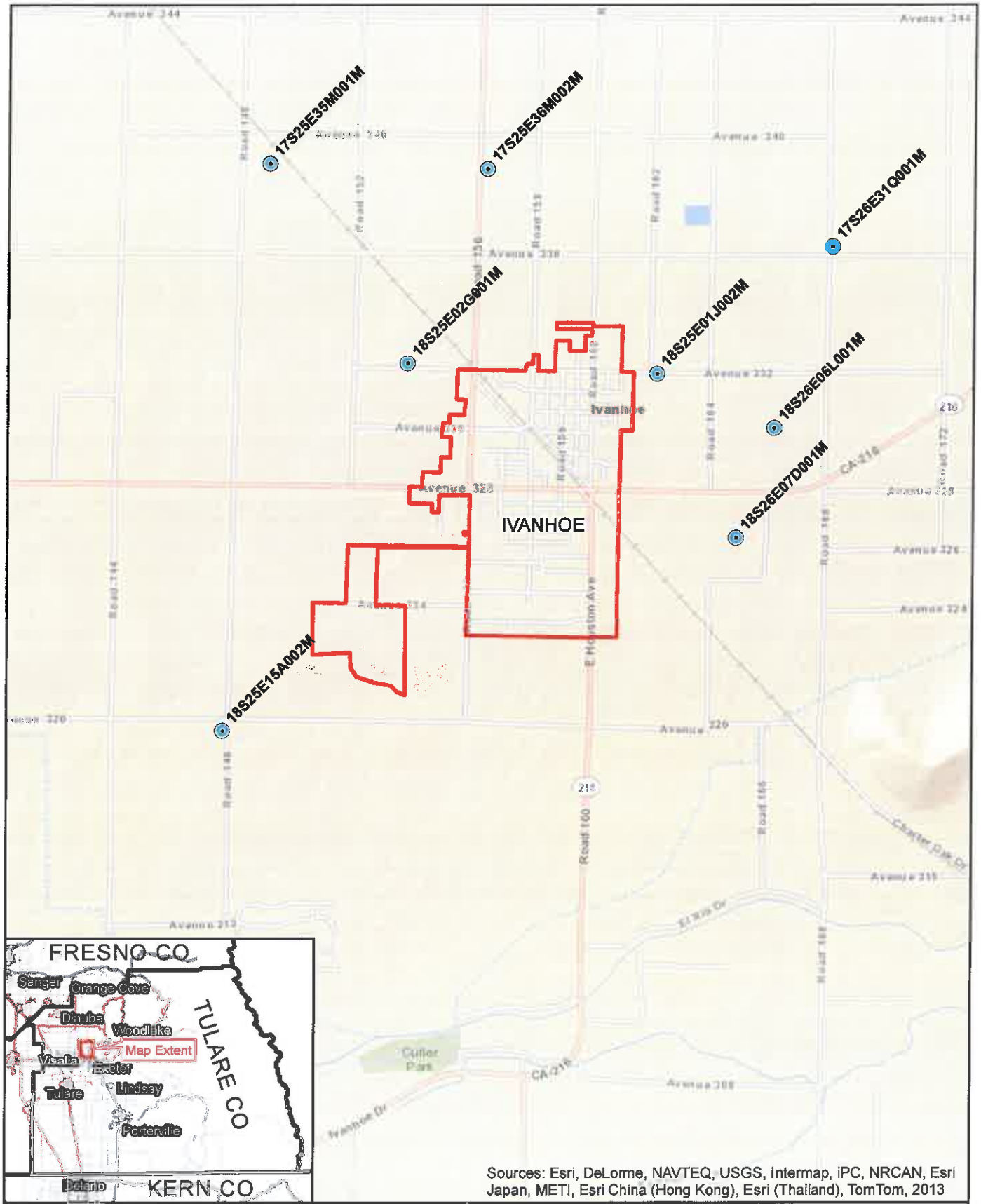

Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

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Legend

- Well
- Community

Tulare Lake Basin Disadvantaged Community Water Study

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Groundwater surrounding Ivanhoe

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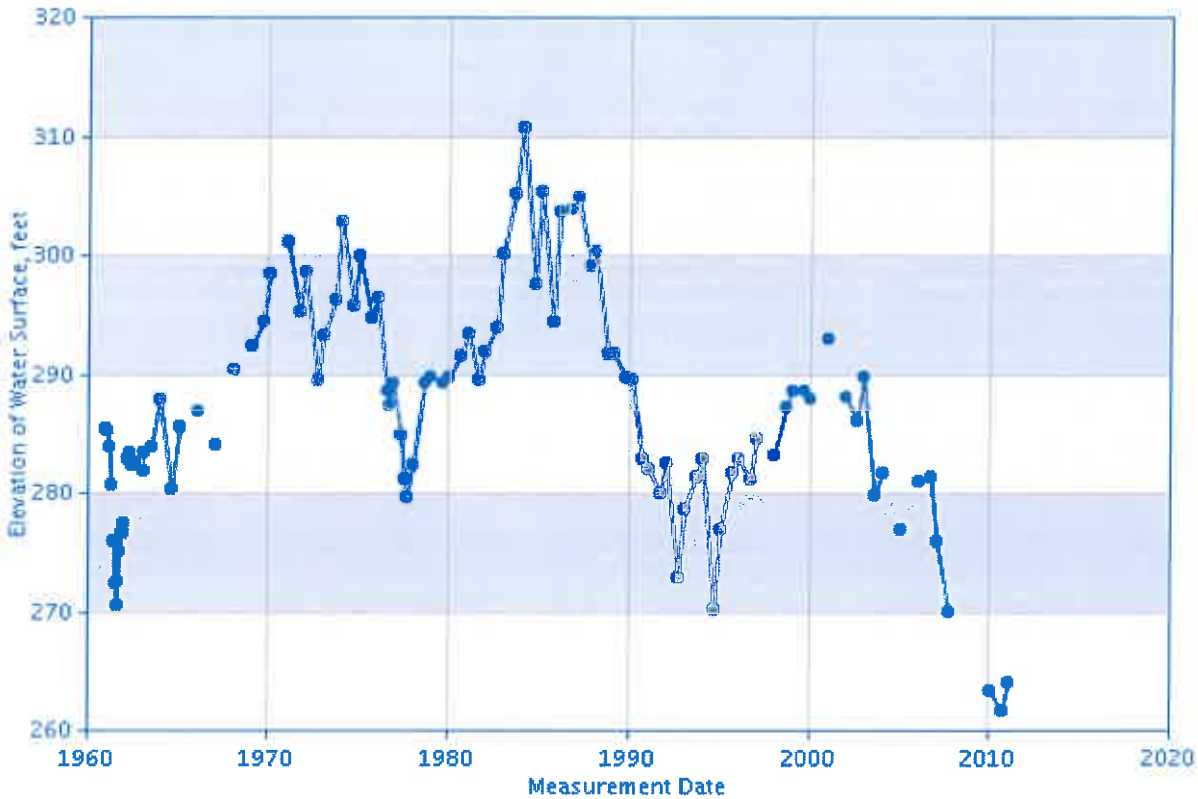

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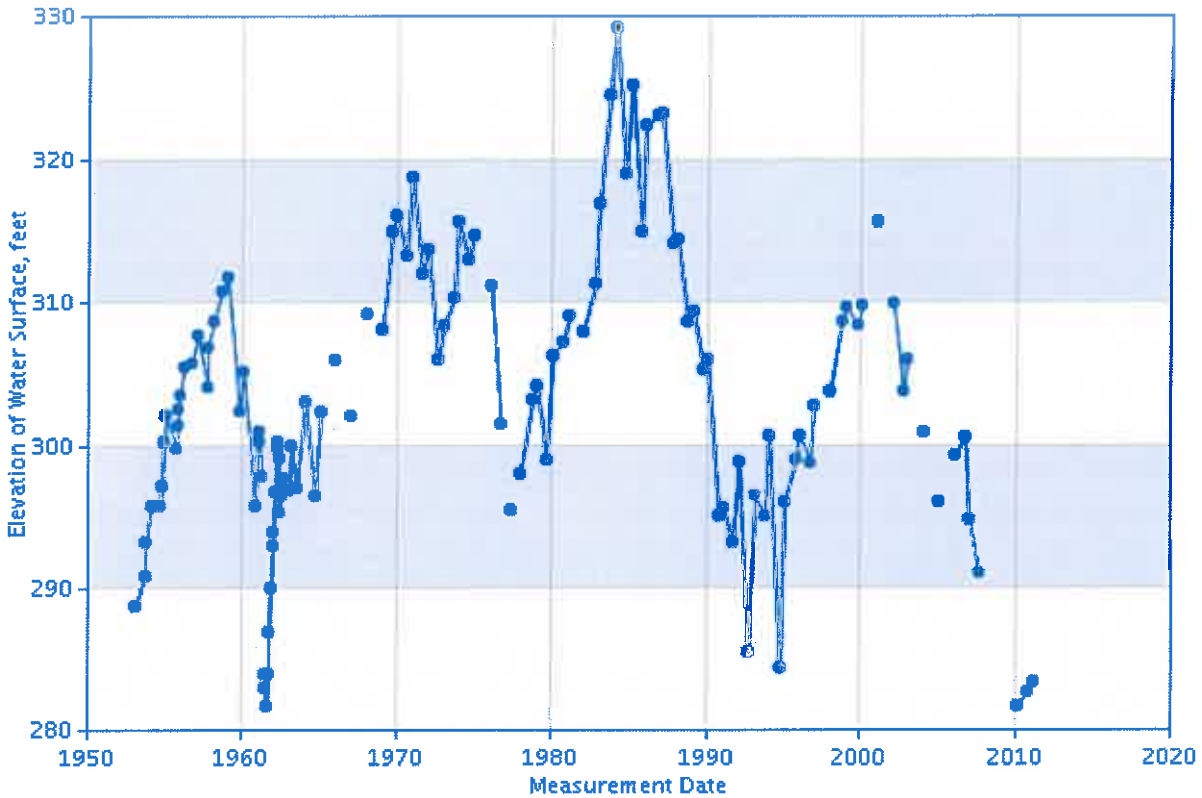

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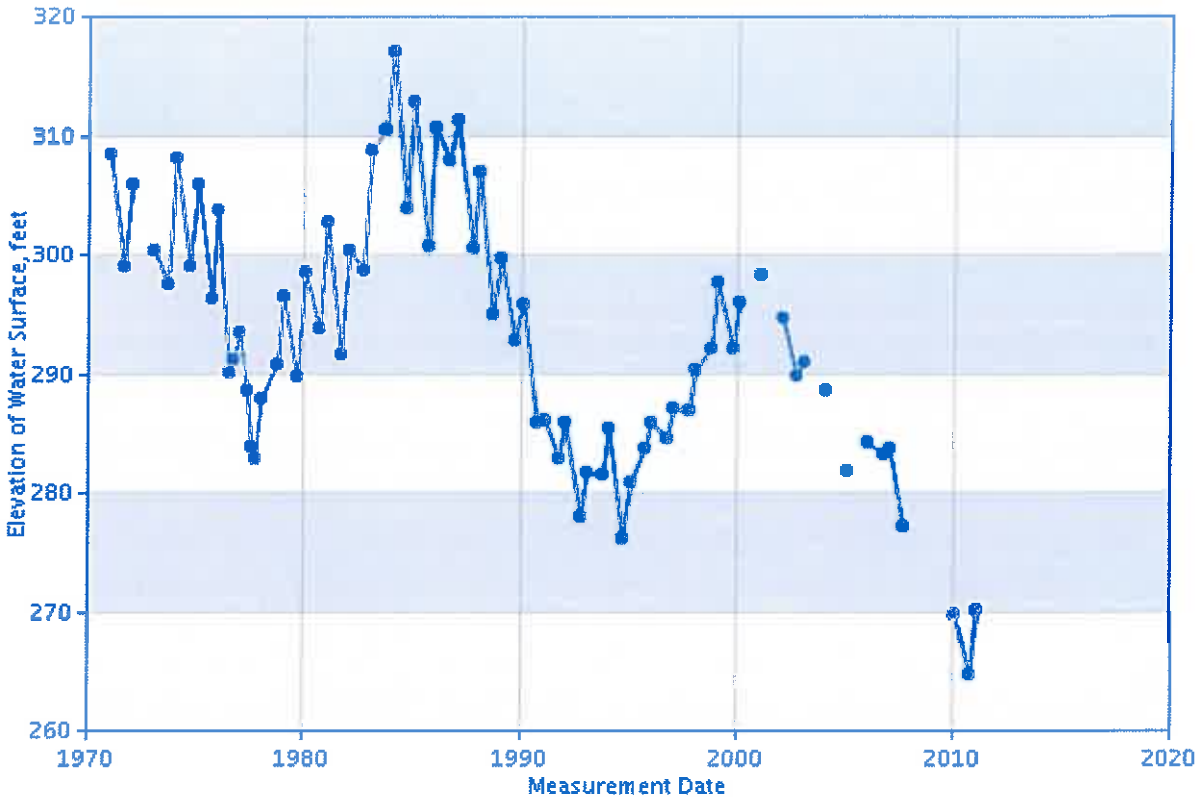

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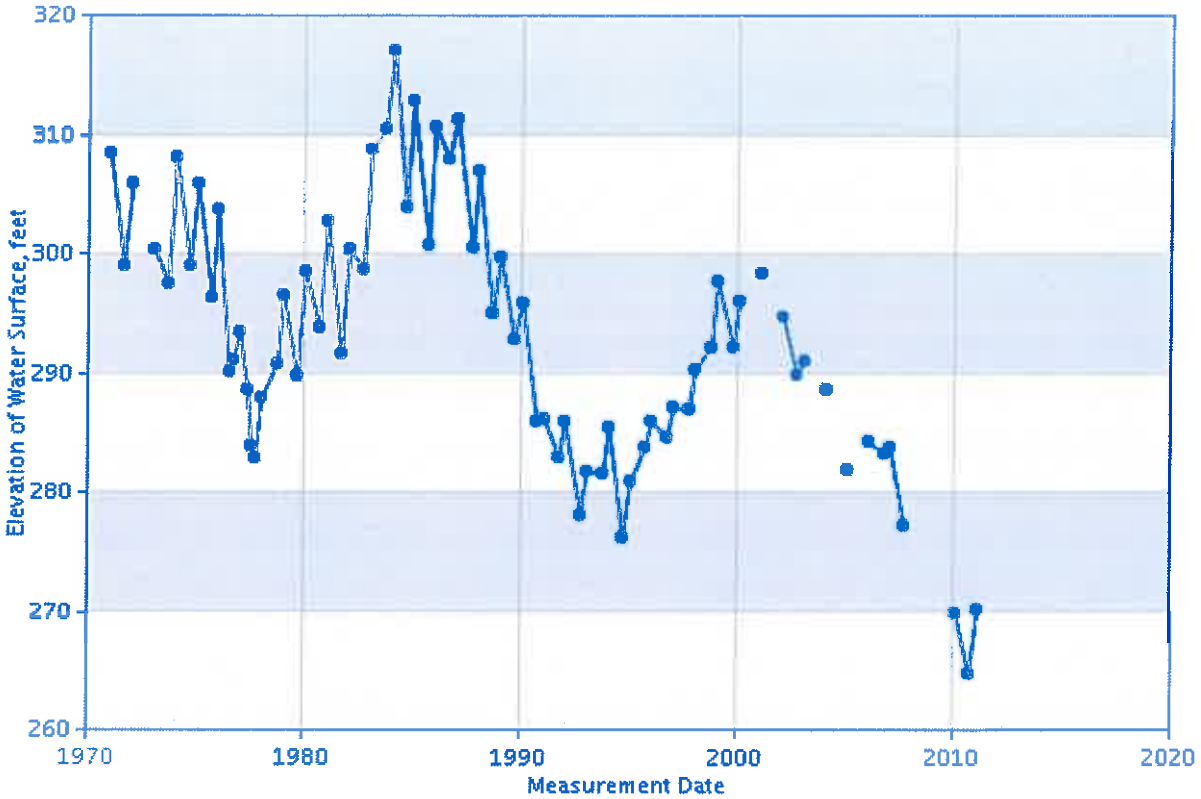

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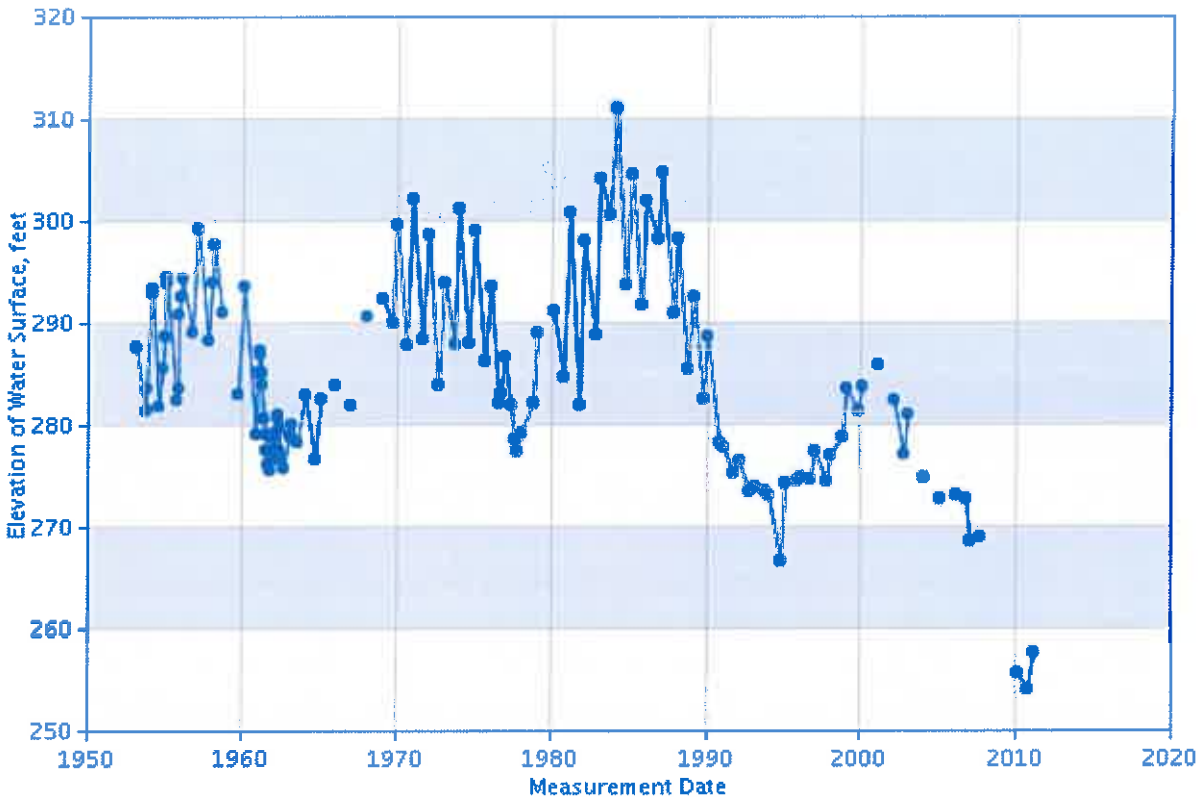

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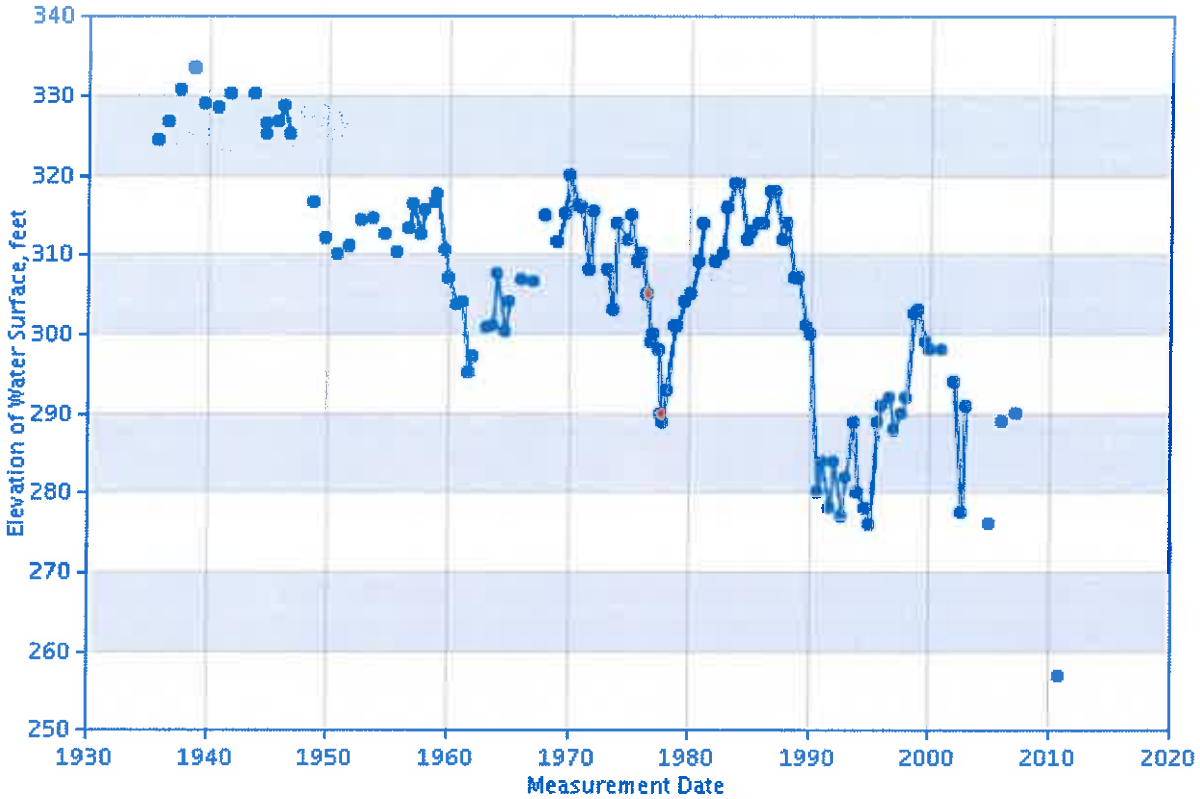

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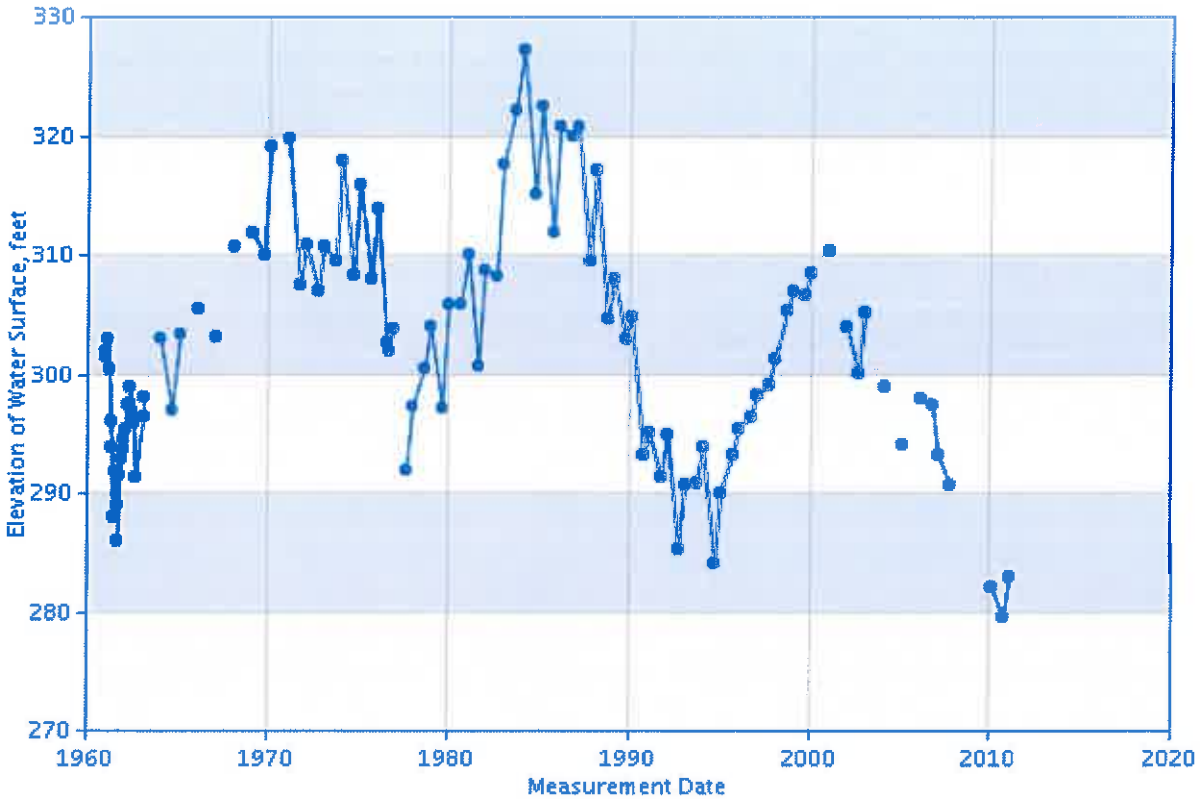

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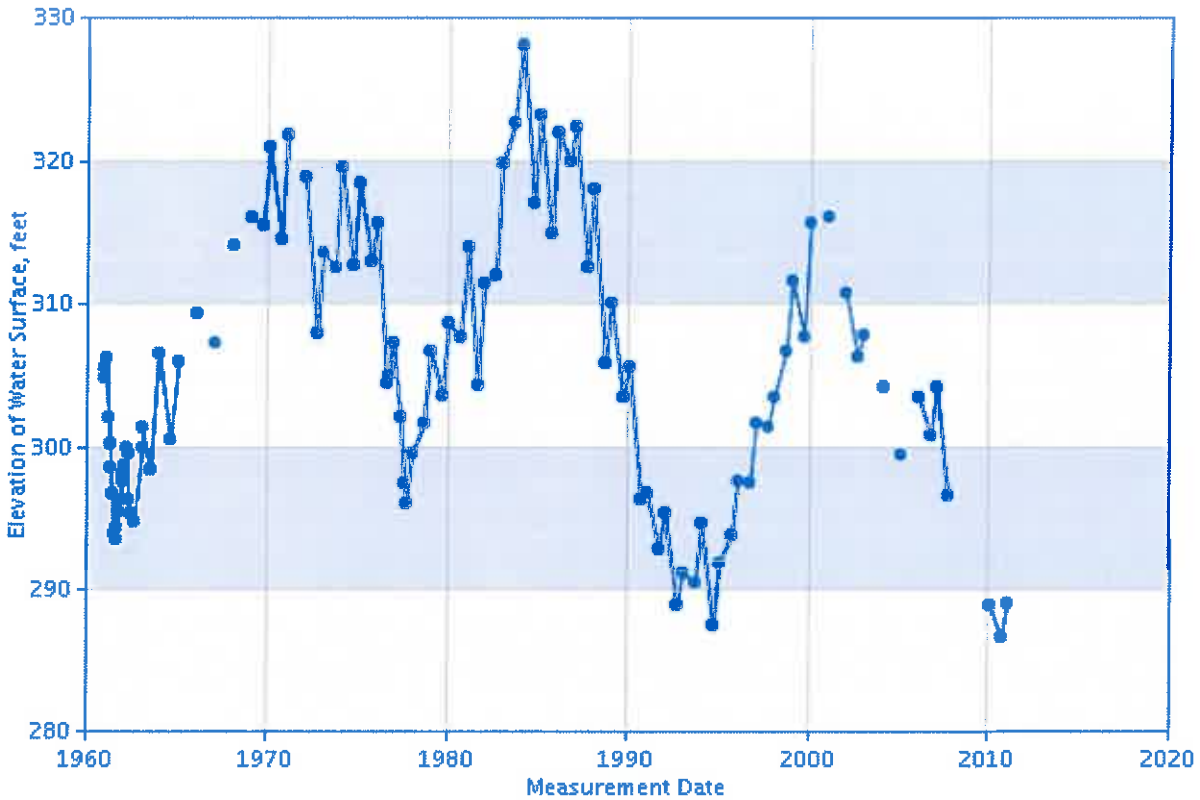
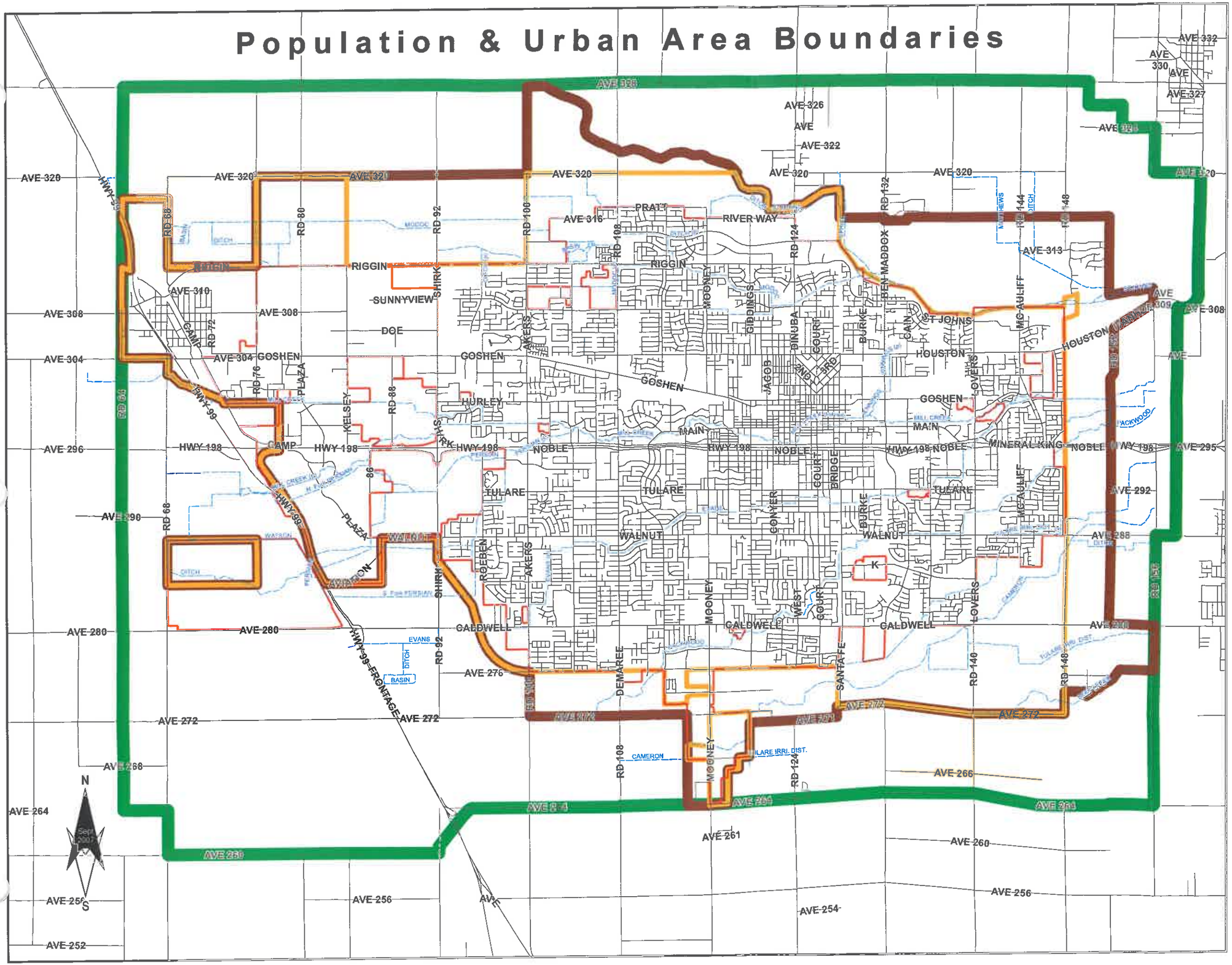


Population & Urban Area Boundaries



CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
PROPOSITION 84 FUNDING PROGRAM, MS 7408
P.O. Box 997377
Sacramento, CA 95899-7377
Office: (916) 449-5600
Fax: (916) 449-5655
dwpfunds@cdph.ca.gov

CDPH

PROPOSITION 84
The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006

APPLICATION FOR GRANT FUNDING

☒ Section 75022 – Small Community Infrastructure Improvements for Chemical and Nitrate Contaminants
Under Section 75022, Please indicate if you are requesting funds for a: ☒ Feasibility Study ☐ Construction Project

☐ Section 75025 – Prevention and Reduction of Groundwater Contamination

A. PUBLIC WATER SYSTEM AND/OR APPLICANT *(Please print or type)*

1. Legal Name of Applicant: Ivanhoe Public Utility District

2. Public Water System Name (If different than Legal Name): Ivanhoe Public Utility District
Public Water System Number: 5410019
Project No. (FOR CDPH USE ONLY):

3. Project Title: Well No. 9 – Test Well Project
County: Tulare

4. Authorized Representative (name, title): Gilbert Cano, President

Mailing Address (number, street)	City	ZIP code	Fax
P. O. Box A	Ivanhoe	93235	(559) 798-0142
E-mail Address	Office Telephone		Mobile Telephone
Ivanhoepud@sbcglobal.net	(559) 798-0512		( )

5. Overnight mailing address – *Provide a physical address for overnight mail, if different than the mailing address*
15859 Azalea Avenue, Ivanhoe, CA 93235

6. Please include the name and district number of the State Senator(s) and Assembly Member(s) representing the service area that benefits from the project:

State Senator (Name and District Number): Jean Fuller, District 18
State Assembly (Name and District Number): Connie Conway, District 34

7. List additional people if necessary to be contacted for this project. Contacts may include engineering consultants, project managers, administrative staff, etc. Use additional sheets if necessary.

Additional Project Contact		Title/Project Role	
Dennis R. Keller		District Engineer	
Mailing Address (number, street)	City	ZIP code	Fax
P. O. Box 911	Visalia	93279	(559) 732-7937
E-mail Address	Office Telephone		Mobile Telephone
Kelweg1@aol.com	(559) 732-7938		( )

Additional Project Contact		Title/Project Role	
Mailing Address (number, street)	City	ZIP code	Fax
E-mail Address	Office Telephone		Mobile Telephone
	( )		( )

Public Water System Name	System ID Number
Ivanhoe Public Utility District	5410019

B. OWNERSHIP TYPE

Indicate the Ownership of the Water System (Check all that apply)

Public Ownership

- ☐ Municipality
- ☐ County Agency
- ☒ Special District
- ☐ State Agency
- ☐ Federal Agency
- ☐ Irrigation District
- ☐ Other

Private Ownership

- ☐ General Corporation
- ☐ Limited Corporation
- ☐ Partnership
- ☐ Incorporated Mutual
- ☐ Unincorporated Association
- ☐ Non-Profit Organization - Federal Tax ID #: _____
- ☐ Limited Liability Company (LLC)
- ☐ Other

List the formation documents submitted with the application to support the selected ownership type: State of California certification dated October 15, 1951.

C. CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC) NOTIFICATION

1. Does the CPUC regulate the public water system? ☐ Yes ☒ No

   If Yes, attach a copy of the documentation that verifies the applicant has notified the CPUC of its intent to submit a Prop 84 Funding Application.

2. Provide a list and include a description of all matters relating to the public water system that are currently pending before the CPUC which affect the financial condition of the applicant or the proposed project.

D. ADDITIONAL INFORMATION *(Use additional sheets as necessary)*

1. Current Population Served by the Water System: 4,500 ±
2. Current Number of Active Service Connections: 1,114 (as of December 2007)
3. Attach a Map of the service area which includes existing facilities and the proposed project area.
4. Agency that has jurisdiction over the water system: Visalia Field Office

   ☒ CDPH ☐ LPA: _____ *(list the Local Primary Agency county)*

5. Is there any litigation pending relative to the operation of the water system or proposed project? ☒ Yes ☐ No

   If Yes, attach a description of the litigation and potential costs:

The District has entered into a legal representation agreement related to potential contamination by 1,2,3 TCP. The agreement calls for the case to be handled on a contingency basis.

6. Does or will the water system currently contract with a private firm or another agency for the operation of the facility to be financed? ☐ Yes ☒ No

   If Yes, provide the name of the firm or agency that will operate the facility and include the term (in years) of the agreement. Attach a copy of this agreement.

7. Does or will the applicant lease land or major water system facilities associated with the project? ☐ Yes ☒ No

   If Yes, describe the terms of the lease or attach a copy of the lease agreement:

Public Water System Name	System ID Number
Ivanhoe Public Utility District	5410019

E. FUNDING AUTHORITY INFORMATION

The applicant must have the legal authority to enter into a Proposition 84 Funding Agreement with the State of California.

1. Is the applicant required to hold an election before entering into a Funding Agreement? ☐ Yes ☒ No
2. Provide a description of the actions that the applicant must take to obtain the necessary approvals to enter into a funding agreement. (i.e., Funding Agreement Resolution, modification of by-laws, city council approval, votes of governing body, etc.)

See November 20, 2007 letter from J. Patrick Sullivan, Attorney at Law.

F. PUBLIC WATER SYSTEM RESOLUTION

A resolution is required for submittal of the Prop 84 Funding Application. This is called the Application Resolution. Please refer to the sample funding application resolution included in this Prop 84 Application packet.

1. Application Resolution Status: ☒ Approved

Provide any additional information on the resolution status: _____

G. LABOR COMPLIANCE PROGRAM (LCP)

The applicant must comply with the Labor Compliance Program (LCP) requirements specified by the Department of Industrial Relations (DIR). Indicate how the LCP requirement will be met for this project by selecting one of the following options. In all cases, please omplete the attached LCP Self-Certification Form and submit it with the Prop 84 Funding Application.

☐ The applicant will use its own existing Labor Compliance Program, which is approved by the DIR.

☐ The applicant will develop a Labor Compliance Plan for approval by the DIR.

☒ The applicant has contracted or intends to contract for LCP services from an organization approved by the DIR.

☐ DIR may determine that LCP requirements do not need to be met by this project. If so, documentation from the DIR must be provided to support the determination.

Please provide any additional information on the LCP status: _____

H. TECHNICAL, MANAGERIAL, AND FINANCIAL (TMF) CAPACITY OF APPLICANT

Pursuant to the requirements specified in the Prop 84, Section 75022, Final Revised Criteria (October 20, 2010), the applicant must satisfy the mandatory TMF elements for water systems in order to receive funding. The mandatory TMF elements are: (1) consolidation assessment, (2) proof of ownership, (3) proof of water rights, and (4) a budget projection. Applicants are encouraged to evaluate all TMF elements and submit the TMF assessment form with the application. If the applicant is seeking future funding from the Safe Drinking Water State Revolving Fund program, the completed TMF assessment form must be submitted.

Please list any mandatory TMF requirements that cannot be met at the time of application:

Public Water System Name	System ID Number
Ivanhoe Public Utility District	5410019

I. PROJECT TECHNICAL REPORT INFORMATION

A Project Technical Report is a required attachment. Small water systems should contact the CDPH Proposition 84 Funding Program or your local CDPH District Office before completing this section. **Please refer to the Project Technical Report Guidelines included with this Prop 84 Funding Application Packet.** Indicate below if the required sections of the Project Technical Report have been included. If the information is provided in a separate document, indicate below and attach a copy of the relevant document.

		Included in Tech Report	Attached	Attachment Name
1.	Project Location (*include street address and Township, Range & Section*)	☐	☐	See comments
2.	Maps showing the service area, existing/proposed facilities, site plan, topography, parcels to be purchased	☐	☒	Exhibit A
3.	Documents justifying the ranked problem	☐	☐	
4.	Water Permit Status	☐	☐	
5.	Problem Description	☐	☐	
6.	Description of Proposed Project	☐	☐	
7.	Analysis of Alternatives/ Analysis of Cost Effectiveness	☐	☐	
8.	Feasibility of Consolidation	☐	☐	
9.	Conceptual Project Design	☐	☐	
10.	Anticipated Benefits of Proposed Project	☐	☐	
11.	Scope of Work and Cost Estimate	☐	☒	Exhibit A
12.	Proposed Project Schedule	☐	☐	
13.	Analysis of Projected Growth	☐	☐	
14.	Ineligible Project Components	☐	☐	
15.	Useful Life of Key Project Components *(Applicable to construction projects)*	☐	☐	
16.	Proposed Design and Construction Schedule *(Applicable to construction projects)*	☐	☐	
17.	Environmental Information *(refer to Environmental. Documentation section on page 5 of this application)*	☐	☐	
18.	Other:	☐	☐	

Comments:

Project location is to be determined as part of the feasibility study.

Public Water System Name	System ID Number
Ivanhoe Public Utility District	5410019

J. PROJECT ENVIRONMENTAL DOCUMENTATION

California Environmental Quality Act (CEQA) compliance is required for all projects. **For additional information refer to the Application Guidelines.** For CEQA schedules and forms visit the web site at: http://www.cdph.ca.gov/certlic/drinkingwater/Pages/ERU.aspx

Applicant's CEQA Representative		Title	
Dennis R. Keller		District Engineer	
Address (number, street)	City	ZIP code	Office Telephone
P. O. Box 911	Visalia	93279	(559)732-7938
e-mail	Mobile Telephone		Fax
Keiweg1@aol.com	( )		(559)732-7937

1.	Is the applicant or any other public agency acting as the lead agency for the preparation of environmental documents pursuant to CEQA for this project?	☒ Yes	☐ No
1a	If yes, has the CEQA lead agency determined if the activity is project that could be statutorily or categorically exempt from CEQA requirements? Proceed to question 5	☒ Yes	☐ No

2. Have any other CEQA compliance or environmental review documents for this project been drafted, adopted, or circulated?
   - ☐ Yes. Proceed to question 3 below and indicate existing CEQA documents.
   - ☐ No, but applicant is or will be handling CEQA compliance. Proceed to question 4 below and attach a schedule for CEQA compliance.
   - ☐ No, applicant is a private entity and CDPH will be the lead agency, or the applicant is unsure who should handle CEQA compliance. Proceed to question 6 below and attach a copy of the Environmental Information Form.

3. If Yes, indicate existing CEQA document(s) and attach a copy.	Attached	Not Applicable
a. Negative Declaration with State Clearing House Number on the Document	☐	☐
b. Mitigated Negative Declaration with State Clearing House Number on the Document	☐	☐
c. EIR w/ State Clearinghouse Number on the document	☐	☐
d. Notice of Determination filed w/ County Clerk or State Clearing House with Department of Fish and Game receipt.	☐	☐
e. Notice of Exemption filed w/ County Clerk or State Clearing House	☐	☐
f. Resolution making CEQA findings	☐	☐
g. Other environmental document	☐	☐
4. Schedule for CEQA compliance	Attached:	☐
5. If the project has been determined to be exempt, provide a copy of the Worksheet for CEQA Exemptions (for public owned water systems only).	Attached:	☒
6. Environmental Information Form (EIF) (for private, mutual, or investor-owned water systems only)	Attached:	☐

Provide any additional status information of the project's Environmental Documentation. *(Use additional sheets as necessary)*

K. PROJECT FINANCIAL INFORMATION – ESTIMATED PROJECT COSTS *(Use additional sheets as necessary)*

Cost Classification	Total Project Costs	Requested Prop 84 Funds	Applicant Funds	Other Funds
Total Funding	$500,000	$500,000	$ -	$ -

If Applicable, please identify the Other source of Funds

Fund Source	Type of Funds (Grant, Loan, In-Kind, User Fees, etc.)	Amount	Applied for Funding (Yes/ No)	Funding Secured (Yes/ No)
		$		

PROJECT FINANCIAL INFORMATION – OPERATIONS AND MAINTENANCE (O&M) COSTS
(This section applies to construction projects only; applicants applying for feasibility study funds may disregard this section.)

Types of O&M Costs for Project Facilities (i.e., labor, power, waste disposal, etc.)	Estimated Annual O&M Costs for Project Facilities	Sources of Funding
Does not apply		

L. APPLICANT FINANCIAL INFORMATION (Use additional sheets as necessary)

1. Provide the current water rate structure, including the current average residential monthly water charge: $ _____
   - Provide a description of the method used to calculate the average residential rate:
2. Provide the average projected water rates after completion of the proposed project:
   - Attach a copy of the water systems rate structure for all consumers (include commercial, industrial users for the current year)
3. Attach copies of audited financial statements or tax returns for your entity for the past three most current years.
4. List all cash reserves and planned use reserves (Use additional sheets if necessary):

_____
_____
_____

5. Provide a detailed list of outstanding indebtedness (Fill out the following table and attach documentation for any debt listed):

Date Issued	Name and Address of Creditor	Maturity Date	Current Balance	Annual Payment Amount	Frequency of Payment	Security Pledge	Interest Rate
1-1-2007	CDPH	7-1-2026	$1,494,247	$74,712	Semi-annual	Assessments or User charges	Zero

6. If available, provide a copy of your current Capital Improvement Plan

M. APPLICATION CERTIFICATION

Provide the signature and date for the Authorized Representative submitting the application. This certifies that the Authorized Representative possesses the authority to apply for funding, and the accuracy of the information provided. For more information on the authority required for signature of the application, refer to the Section F (Public Water System Resolutions) of the application guidelines.

I hereby certify that I am the authorized representative of this public water system and that the information provided in this application and supporting information is accurate to the best of my knowledge.

Authorized Representative's Signature: Gilbert Cano Date: July 4, 2011

Authorized Representative's Name (please print): Gilbert Cano

Authorized Representative's Title: President

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
PROPOSITION 84 FUNDING PROGRAM, MS 7406
P.O. Box 997377
Sacramento, CA 95899-7377
(916) 449-5600
Fax: (916) 449-5655

CDPH

PROPOSITION 84
The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006

APPLICANT'S CHECKLIST

The following list of documents must be submitted with the Application for Grant Funding for it to be deemed complete. Incomplete applications will not be processed. If you are not sure if the requested information applies to you, please contact your local CDPH District Office or the Proposition 84 Program. Please note that additional information may be requested during the application review process.

APPLICATION REQUIREMENTS *(Not all of the information listed below is required for all systems. For additional information about each required item please refer to the Proposition 84 Application Guidelines.)*

Included	N/A	Item Description
☒	Required	Application Resolution (Application Section F)
☒	Required	Proposition 84 Application for Grant Funding (with original signature)
☒	Required	Ownership Documents supporting the stated ownership type (Application Section B)
☐	☐	**(For CPUC regulated water systems only)** Attach copy of the notice to the CPUC stating the intent to submit a funding application (Application Section C)
☒	Required	Map of Service Area showing the existing and proposed facilities. (Application Sections D.3 and I.2)
☐	☐	Attach a description of any Pending Litigation, its current status and potential cost relative to the operation of the water system or proposed project. (Application Section D.5)
☐	☐	Operation Contracts for the Proposed Facility - Provide the name of the firm or agency that will operate the facility and attach a copy of the agreement. (Application Section D.6)
☐	☐	Lease Agreement for land or facilities associated with the project – Describe the terms of the lease and attach a copy of the lease agreement. (Application Section D.7)
☒	Required	Labor Compliance Self Certification Form (Application Section G)
☒	Required	Water Meter Certification Form
☒	Required	Payee Data Record Form STD 204
☒	Required	Mandatory Technical Managerial and Financial (TMF) documents – 5 Year budget projection, consolidation, proof of ownership, and water rights. (Application Section H)
☒	Required	Project Technical Report (Application Section I)
☐	☐	**(For construction projects only)** Plans and Specifications (Application Section I)
☒	Required	Complete CEQA Documents (Application Section J)
☐	Required	Water system rate structure for the last three years and calculations showing the average household water rate. (Application Section L.1)
☒	Required	Last three (3) years of financial statements or tax returns, and a balance sheet for the current calendar year or fiscal year. (Application Section L.3)
☒	☐	List of all cash reserves and planned uses for the reserves. (Application Section L.4)
☒	☐	A description of all long-term indebtedness. (Application Section L.5)
☐	☐	If available, include the most recent Capital Improvement Plan (CIP). (Application Section L.6)

EXHIBIT A

APPLICATION ATTACHMENTS

WELL NO. 9 – TEST WELL PROJECT

IVANHOE PUBLIC UTILITY DISTRICT

Attachment Name

1. Formation Document;
2. November 20, 2007 letter from J. Patrick Sullivan;
3. Application Resolution;
4. Labor Compliance Program;
5. TMF Submittals (See Exhibit B);
6. Service Area and Existing Facilities;
7. Feasibility Study Scope of Work and Associated Budget;
8. Environmental Documentation
   - Notice of Exemption
9. Financial Information
   - Financial Statement for Fiscal Years 2008 - 2009, 2008 - 2009, and 2009 - 2010.
   - Water System Rate Structure for last three (3) years
10. Water Meter Certification; and
11. Payee Data Record.

FRANK M. JORDAN
SECRETARY OF STATE

SACRAMENTO

I, FRANK M. JORDAN, Secretary of State of the State of California, hereby certify:

That on the 15th day of October, 1951, pursuant to the provisions of Section 9 of the "Public Utility District Act" approved May 31, 1921, as amended (Act 6391 of Deering's General Laws), there was filed in my office a Roll, consisting of a Certificate of the Chairman of the Board of Supervisors of the County of Tulare, under the seal of said Board, together with a copy of the Order adopted by said Board on the 9th day of October, 1951, in the matter of the organization of the Ivanhoe Public Utility District.

I further certify that October 2, 1951, is stated in said Certificate as the date of the election held in certain territory of said County at which there was submitted to the electors thereof the proposition: "Shall Ivanhoe Public Utility District be organized under the provisions of the Public Utility District Act," and that it is shown therein that of the 266 votes cast at said election there were 251 votes cast in favor of said proposition and 15 votes against said proposition

J. PATRICK SULLIVAN
ATTORNEY AT LAW
214 NORTH ENCINA STREET
VISALIA, CALIFORNIA 93291
TELEPHONE (559) 741-2860

J. Patrick Sullivan
Ryan P. Sullivan

November 20, 2007

Department of Health Services
State of California

Re: Safe Drinking Water State Revolving Fund

To Whom It May Concern:

Please be advised that this office represent the Ivanhoe Public Utility District, who has made an application for construction funds pursuant to the State Drinking Water Revolving Fund loan program, and has asked us to write an opinion letter concerning their authority to enter into a long-term debt contract.

The Ivanhoe Public Utility District is a public utility district incorporated pursuant to the Public Utility District Act found in the Public Utility District Code beginning at §15501.

Pursuant to Public Utility District Code §16571, the District may borrow money and incur or assume indebtedness and issue bonds or other evidence of indebtedness. The only limitation based on the borrowing power of the District is found in Public Utility District Code §16573, which states that the District may not incur any indebtedness which in the aggregate exceeds twenty percent (20%) of the assessed valuation of all real and personal property situated within the District; and §16574 which could be read to place the length of indebtedness at not to exceed forty (40) years.

The Public Utility District Code does not require a public utility district to hold an election before entering into a loan with the State of California; thus, the only time that an election would be required is if the Safe Drinking Water State Revolving Fund requires an election or if bonds are to be issued. The District does have the authority to raise its water rates to repay the loan; however, if the District is required to raise its fees or to impose any type of assessments, it would require the District to initiate that through a Proposition 218 election.

At the current time, this office is not aware of any pending litigation against the District relating to the operation of the water system or the proposed project.

Should you have any questions regarding this matter, please feel free to contact me. Thank you for your courtesy.

Very truly yours,

J. PATRICK SULLIVAN

JPS/jj
cc: client

RESOLUTION NO. 5/25/2011

WHEREAS, the Ivanhoe Public Utility District has the authority to construct, operate, and maintain the Ivanhoe Water System No 5410019 and

WHEREAS, the Ivanhoe Public Utility District desires to enhance the provision and protection of the drinking water supplied to the consumers of Ivanhoe Water System No 5410019, therefore;

BE IT RESOLVED by the Ivanhoe Public Utility District that, pursuant and subject to all of the terms and provisions of The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) and all amendments thereto, application be made to the State of California for funding; and

BE IT FURTHER RESOLVED that the President of said Ivanhoe Public Utility District is hereby authorized and directed to cause the necessary data to be prepared, investigations to be performed and application to be signed and filed with the State of California.

Passed and adopted at a regular meeting of the Ivanhoe Public Utility District of the Ivanhoe Water System No 5410019 on 25th of May, 2011.

Signature: Carol Fina

Print name clearly: CAROL FINA

Title: OFFICE MANAGER

State of California—Health and Human Services Agency

California Department of Public Health

CDPH

HOWARD BACKER, MD, MPH
Interim Director

EDMUND G. BROWN JR.
Governor

Labor Compliance Program Self Certification Form

Among the requirements of funding by the California Department of Public Health (CDPH) is fulfillment of a Labor Compliance Program (LCP). Please provide the following LCP information for your project:

Water System Name	Ivanhoe Public Utility District
CDPH Project Identification No.	P84C-5410019-002
LCP Identification No.	2003.00026
Firm / Agency	Labor Consultants of California
Date of agreement	To be determined
LCP Contact Person	Mr. Richard Perez
LCP Contact Phone No.	559-584-7499
LCP Contact E-mail	laborc@cnetech.com

I certify that the above information reflects the LCP for the referenced project and the LCP will remain in effect throughout construction of the project:

Water System Authorized Representative (printed name): Gilbert Cano

Signature: Gilbert Cano Date: 06 July 2011

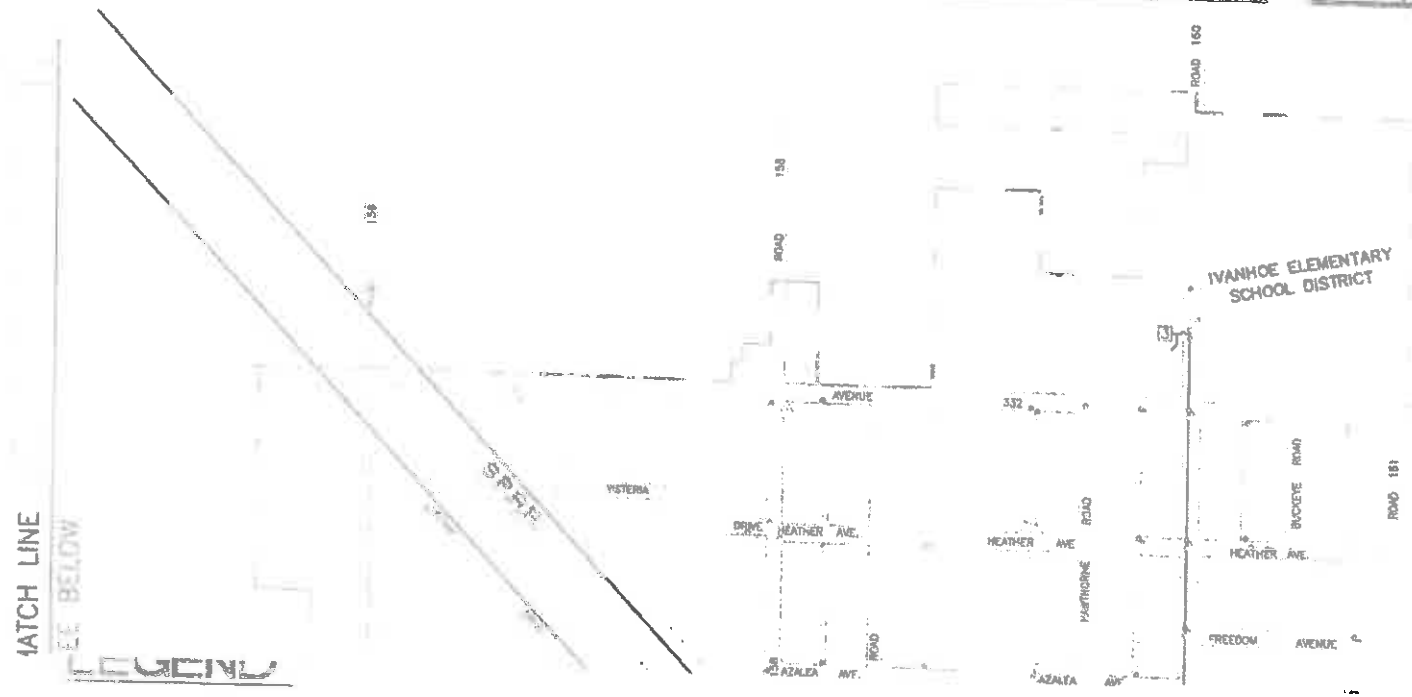
☐ The Department of Industrial Relations determined this project is exempted from the LCP requirement.

The Department of Industrial Relations is responsible for LCP compliance matters. If you have specific questions concerning LCP requirements, as they apply to your project, please contact Nancy Stephans at (415) 703-5063 at the Department of Industrial Relations.

Please return to:

Proposition 84 Program
California Department of Public Health
Division of Drinking Water and Environmental Management
1616 Capitol Avenue, MS 7408
Post Office Box 997377
Sacramento, California 95899-7377

FIGURE 2



LEGEND

- IVANHOE PUBLIC UTILITY DISTRICT BOUNDARY
- EXISTING 12" AC WATER MAIN
- EXISTING 12" PVC MAINS
- EXISTING 10" AC WATER MAIN
- EXISTING 10" PVC MAINS
- EXISTING 8" AC WATER MAIN
- EXISTING 8" PVC MAINS
- EXISTING 6" AC WATER MAIN
- EXISTING 4" AC WATER MAIN
- EXISTING 3" STEEL WATER MAIN
- EXISTING 2" OR SMALLER STEEL WATER MAIN
- EXISTING FIRE HYDRANT
- EXISTING WELL SITE AND NUMBER
- EXISTING BLOW-OFF ASSEMBLY
- EXISTING GATE VALVE

REVISION	DATE	DESCRIPTION	APPROVED
1	12/28/2007	UPDATE PIPELINES	J.H.W.

IVANHOE PUBLIC UTILITY DISTRICT WATER DISTRIBUTION SYSTEM

PROPOSITION 84 APPLICATION

PLAN SCALE: AS SHOWN

DRAWN BY: D. BRUCE

APPROVED BY: D. R. KELLER

C.E. NO. 24199 DATE: 9/18/97

DENNIS R. KELLER
JAMES H. WEGLEY
CONSULTING ENGINEERS
209 SOUTH LOCUST STREET
VISALIA, CALIFORNIA 93291 559-732-7938

SHEET 1 OF 1

FEASIBILITY STUDY SCOPE OF WORK AND ASSOCIATED BUDGET

3P

IVANHOE PUBLIC UTILTY DISTRICT
Project No. 5410019

DESCRIPTION PLANNING PROJECT TASKS AND ASSOCIATED BUDGET

(Dated: 6-30-11)

Scope of Work	Budget ($)
Project Management • Perform ongoing project management of planning grant activities including coordination and preparation of reimbursement.	$10,000
Problem Evaluation • Include the evaluation of current and projected 20-year water supply and demand to identify potential sources available and associated costs of developing each source. ($15,000) • Evaluate a practical communication system between wells ($15,000) • Preparation of draft Preliminary Design Report including alternatives ($30,000) • Drinking Water Source Assessment ($15,000) • Prepare or update all required information for the TMF assessment (Water Quality Emergency Response Plan, Budget Controls, Capital Improvement Plan, System Operations Plan). ($25,000)	$100,000
CEQA/NEPA • Prepare environmental evaluation/documents and conduct all necessary public notifications required by law for a new well site.	$20,000
Earth and Land Investigation • Perform soils investigation including soil logging. • Geotechnical Report for the site will be prepared to assist with evaluation of feasibility project. • Perform required land surveying	$10,000
Drilling of Test Well(s) (see below for cost breakdown) (see Note 1) • Describe purpose of test well(s), indicate number of test well(s) to be drilled, depth of test well(s), water quality sampling, pump testing, etc. • Prepare design for test well and construction specifications. • Ensure Labor Compliance requirements are met for funding. • Obtain necessary construction easements and prepare required easements for construction • Perform Hydrological/Geotechnical investigation • Prepare Hydrogeologist, Drilling Report • Electric logs • Note: cost estimate is for two test wells •	$260,000

Plans and Specifications • Develop plans and specifications for the drilling and construction of the production well, well site improvements, SCADA system, well abandonment and transmission lines to new well site. • Prepare complete set of bid documents. • Submit Plans and Specifications to CDPH for review and approval. • Respond to comments from CDPH.	**$100,000**
Total	**$500,000**

Test Well cost breakdown:	
Item Description	**Amount**
1) Easement Preparation	$5,000
2) Hydro geological investigation and report	15,000
3) Specification preparation and bid administration (Note 1)	12,000
4) Submit Plans and Specifications to CDPH and respond to questions/comments.	5,000
5) Drill two (2) test wells, electric logs, and sample water by aquifer @ $85,000 each	170,000
6) Log and classify two (2) test wells drilling (based on 4 days 24 hours/day) @$12,250 each	25,000
7) Water quality sampling and analysis of 7 aquifers per well (Coli form, EDB, Nitrates, DBCP, DDT and 1,2,3, TCP) (Note 2)	7,000
8) Construction and contract administration	8,200
9) Labor Compliance Program	7,800
10) Construction Contingency	5,000
Total	$260,000

Note 1: Based on one construction contract. Contractor will drill the second test well, if necessary, and subject to CDPH review and approval.

Note 2: Water quality sampling and analysis shown is for cost purposes, only. The final water quality sampling and analysis will be submitted to CDPH as part of the Test Well Plans and Specification Submittal.

I hereby certify that this Feasibility Study Scope of Work and Associated Budget report was prepared by an authorized representative of this public water system and that the information provided in this Feasibility Study Scope of Work and Associated Budget is accurate to the best of my knowledge.

Authorized Representative's Signature: Gilbert Cano Date: 07/06/11

Authorized Representative's Name (please print): Gilbert Cano

Authorized Representative's Title: President

NOTICE OF EXEMPTION

TO: ☒ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, California 95814

☒ County Clerk, County of Tulare
Courthouse, County Civic Center
Visalia, California 93291

FROM: Ivanhoe Public Utility District
P. O. Box A
Ivanhoe, CA 93235

Project Title: Well No. 9 – Test Well Project

Project Location - Specific: To Be Determined

Project Location - City: Unincorporated Community of Ivanhoe **Project Location - County:** Tulare

Description of Nature, Purpose and Beneficiaries of Project:
Drilling a test well, sampling and analysis of well's water quality. The information obtained from the test well will assist in the field design of the production well.

Name of Public Agency Approving Project: Ivanhoe Public Utility District

Name of Person or Agency Carrying Out Project: Ivanhoe Public Utility District

Exempt Status: (Check One)

_____ Ministerial (Sec. 21080(b)(1); 15268)
_____ Declare Emergency (Sec. 21080(b)(3); 15269(a)
_____ Emergency Project (Sec. 21080(b)(4); 15269(b)(c)
__X__ Categorical Exemption: Feasibility and Planning Studies: CCR Section 15306, Class 6, "Information collection"
_____ Statutory Exemptions

Reasons why project is exempt: The project is a planning/feasibility study. See exempt citation above.

Gilbert Cano, Board President	559	798-0512	
Lead Agency Contact Person	**Area Code**	**Telephone**	**Extension**

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project?
   Yes __X__ No _____

Signature: Gilbert Cano Date: 07/06/11 Title: Board President

☒ Signed by Lead Agency Date Received for filing at OPR: _____
☒ Signed by Applicant

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health

Water Boards

CDPH

CERTIFICATION FOR COMPLIANCE WITH WATER METERING REQUIREMENTS FOR FUNDING APPLICATIONS

Funding Agency name:	California Department of Public Health
Funding Program name:	California Department of Public Health
Applicant (Agency name):	Ivanhoe Public Utility District
Project Title (as shown on application form):	Well No. 9 - Test Well Project

Please check one of the boxes below and sign and date this form.

☒ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

☐ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Gilbert Cano
Name of Authorized Representative
(Please print)

Gilbert Cano
Signature

President
Title

06 July 2011
Date

State of California—California Department of Public Health

PAYEE DATA RECORD

(Required when receiving payment from the State of California in lieu of IRS W-9)

STD. 204 (Rev. 5/06)_CDPH

1

INSTRUCTIONS: Complete all information on this form. Sign, date, and return to the State agency (department/office) address shown at the bottom of this page. Prompt return of this **fully completed** form will prevent delays when processing payments. Information provided in this form will be used by State agencies to prepare Information Returns (1099). See reverse side for more information and Privacy Statement.

NOTE: Governmental entities, federal, state, and local (including school districts), are not required to submit this form.

2

PAYEE'S LEGAL BUSINESS NAME (Type or Print): Ivanhoe Public Utility District

SOLE PROPRIETOR—ENTER NAME AS SHOWN ON SSN (Last, First, M.I.)	E-MAIL ADDRESS: ivanhoepud@sbcglobal.net
MAILING ADDRESS: P. O. Box A	BUSINESS ADDRESS: 15859 Azalea Avenue, Ivanhoe, CA 93235
CITY, STATE, ZIP CODE: Ivanhoe	CITY, STATE, ZIP CODE: CA. 93235

3

PAYEE ENTITY TYPE

CHECK ONE BOX ONLY

ENTER FEDERAL EMPLOYER IDENTIFICATION NUMBER (FEIN): 9 4 – 6 0 2 9 4 1 2

NOTE: Payment will not be processed without an accompanying taxpayer I.D. number.

☐ PARTNERSHIP

☐ ESTATE OR TRUST

CORPORATION:
- ☐ MEDICAL (e.g., dentistry, psychotherapy, chiropractic, etc.)
- ☐ LEGAL (e.g., attorney services)
- ☒ EXEMPT (nonprofit)
- ☐ ALL OTHERS

☐ INDIVIDUAL OR SOLE PROPRIETOR ENTER SOCIAL SECURITY NUMBER: ___ – __ – ____

(SSN required by authority of California Revenue and Tax Code Section 18646)

4

PAYEE RESIDENCY TYPE

☒ California resident—qualified to do business in California or maintains a permanent place of business in California.

☐ California nonresident (see reverse side)—Payments to nonresidents for services may be subject to State income tax withholding.

- ☐ No services performed in California.
- ☐ Copy of Franchise Tax Board waiver of State withholding attached.

5

I hereby certify under penalty of perjury that the information provided on this document is true and correct. Should my residency status change, I will promptly notify the State agency below.

AUTHORIZED PAYEE REPRESENTATIVE'S NAME (Type or Print): Gilbert Cano	TITLE: President	
SIGNATURE: Gilbert Cano	DATE: 06 July 2011	TELEPHONE: (559) 798-0512

6

Please return completed form to:

Department/Office:	California Department of Public Health
Unit/Section:	Safe Drinking Water- Fiscal Unit
Mailing Address:	1616 Capitol Avenue, M/S 7418
City/State/ZIP:	Sacramento, CA 95899
Telephone:	(916) 449-5569
FAX:	(916) 449-5655
E-Mail Address:	Nelson.Serrano@cdph.ca.gov

EXHIBIT B

MANDATORY TMF ELEMENTS FOR
PROPOSITION 84 APPLICATION

WELL NO. 9 – TEST WELL PROJECT

IVANHOE PUBLIC UTILITY DISTRICT

1. Consolidation Assessment (attached);

2. Proof of Ownership:
   The Feasibility Study will identify a project well site, and the District will acquire fee title to the well site.

3. Proof of water rights:
   The source of water for the system is groundwater from an unadjudicated basin. Upon well site identification and purchase of said property, a copy of the deed will be obtained.

4. Five Year Budget Projection:
   See attached.

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
CALIFORNIA SAFE DRINKING WATER
STATE REVOLVING FUND

ENGINEERING REPORT

APPLICATION 5410019-02

PRIORITY LIST CATEGORY: F

IVANHOE PUBLIC UTILITY DISTRICT
TULARE COUNTY

DECEMBER 2007

Prepared By:
Dennis R. Keller / James H. Wegley
Consulting Civil Engineers

and availability of such locations, however, has not been pursued. Another disadvantage to surface water treatment is the increased regulatory requirements associated with drinking water treatment.

Consolidation

The District represents the only public water system in the local area. The cities of Visalia (6 miles away) and Farmersville (5 miles away) offer the closest water systems to the District. The City of Visalia does not provide water to the residents of the City. A private water company, California Water Service, serves the City of Visalia. The distances to the District, make consideration of consolidation unattractive at this time. In addition, either the City of Farmersville or California Water Service would need to develop the additional water supplies to serve the District. The District also provides sewer and street light services in addition to water. This alternative was not considered further.

PROPOSED PROJECT

Table 5 summarizes preliminary capital costs and annual costs for each alternative. Drilling a new groundwater well represents the proposed Project. This approach was selected for the following reasons:

1. A new well represents the most cost effective approach;
2. The District does not have access to a readily available surface water supply; and
3. Ion exchange for nitrate removal presents problematic and costly residual disposal considerations.

FIVE YEAR BUDGET PROJECTION

IVANHOE PUBLIC UTILITY DISTRICT

Discussion:

Table 1 presents the Ivanhoe Public Utility District's (District's) Water Fund Budget adopted on June 28, 2011. The Proposition 84 grant funds are shown added to the adopted budget. Table 2 presents a simplified five (5) year budget projection from Fiscal Year 2011-2012 to 2015-2016.

On the revenue side, customer sales and miscellaneous revenues do not show any increase over the five (5) year period. The District completed Proposition 218 procedures in Fiscal Year 2009-2010, which grants permission to the District to increase water service rate to a defined ceiling amount. The current water service rate is below the ceiling amount. Attached is a copy of the Public Hearing Notice.

Reserves are itemized on Table 1. Table 2 shows an increase in the reserve amount by $55,000 per year to account for some amount of inflation. The Total Available Funds is made up of the beginning cash plus Total Estimated Revenues less Total Reserves.

On the operating expense side, Total Salaries and Employee Benefits are increased four (4) percent annually, while Total Services and Supplies are increased five (5) percent annually. The annual percentage increases were based on an analysis conducted during the District's recent Proposition 218 process. The remaining expense categories were not adjusted.

The Ending Balance is the Total Available Funds, less Total Estimated Expenses.

The Beginning Cash is adjusted based on the Ending Balance. Based on the above stated conditions, the five (5) year budget projection shows a $25,817 shortfall at the end of Fiscal Year 2015-2016.

TABLE 1
APPROVED WATER BUDGET
FISCAL YEAR 2011 - 2012
IVANHOE PUBLIC UTILITY DISTRICT

		Budget
Fund Balances		
Beginning Cash Fund Balance	$	3,246,386
Revenues		
Interest	$	14,652
Other		3,600
Late Charges		11,496
Disconnect/Reconnect Fees		360
Customer Sales, Water		460,800
Capacity Rights fees		3,600
Reimbursable		100
Total Estimated Revenue	$	494,608
Reserve Funds		
Well Replacement		1,419,285
Misc. Equipment		10,965
Pick up trucks		21,011
Air Compressor		12,009
Well site		29,241
SRF Reserves		144,276
Board Designated reserves		1,555,785
Total Reserves	$	3,192,572
TOTAL AVAILABLE FUNDS	$	548,422
Expenses		
Salaries & Employee Benefits		
Salaries	$	92,004
Directors' Fees		1,506
Retirement		8,200
Payroll Taxes		10,200
Health Insurance		12,000
Life Insurance		360
Worker's Compensation Insurance		8,004
Total Salaries & Employee Benefits	$	132,274

TABLE 1
APPROVED WATER BUDGET
FISCAL YEAR 2011 - 2012
IVANHOE PUBLIC UTILITY DISTRICT

	Budget
Services and Supplies	
Uniforms	$ 2,000
Communications	2,500
Insurance	10,008
Maintenance - Equipment	28,504
Maintenance - Structures, Improvements & Grounds	7,000
Miscellaneous Expense	11,380
Office Expense	8,004
Professional & Specialized Expense	37,240
Publications & Legal Notices	2,280
Rentals & Leases - Equipment	1,008
Small Tools & Instruments	600
District Special Expense	600
Transportation & Travel	7,008
Fees & Permits	20,880
Utilities - Office	1,800
Utilities - Plant	60,000
Total Services & Supplies	$ 200,812
Other	
Repayment - Long Term Debt	$ 74,512
Total Other Charges	$ 74,512
Fixed Assets (5)	
Meter Installations	$ 36,000
Valves	20,000
Total Fixed Assets	$ 56,000
Contingencies	
Appropriation for contingencies	$ 20,000
	$
TOTAL BUDGET EXPENDITURES	$ 483,598

TABLE 2
SIMPLIFIED FIVE (5) YEAR BUDGET PROJECTION
FISCAL YEARS 2011-2012 THROUGH 2015-2016
IVANHOE PUBLIC UTILITY DISTRICT

	Adopted 2011-2012 Budget (1)	Addition to 2011-2012 Budget (2)	Total 2011-2012 Budget (2)	Fiscal Year Ending (FYE) 2013	2014	2015	2016
Beginning Cash	$ 3,246,386		$ 3,246,386	$ 3,311,210	$ 3,370,526	$ 3,418,112	$ 3,441,491
Revenue:							
Customer Sales	$ 460,800		$ 460,800	$ 460,800	$ 460,800	$ 460,800	$ 460,800
Prop 84 (2)		$ 500,000	$ 500,000				
Miscellaneous revenue	33,808		$ 33,808	33,808	33,808	33,808	33,808
Total Estimated Revenues	$ 494,608	$ 500,000	$ 994,608	$ 494,608	$ 494,608	$ 494,608	$ 494,608
Reserves							
Total Reserves (3)	$ 3,192,572	$ -	$ 3,192,572	$ 3,247,572	$ 3,302,572	$ 3,357,572	$ 3,412,572
Total Available Funds	$ 548,422	$ 500,000	$ 1,048,422	$ 558,246	$ 562,562	$ 555,148	$ 523,527
Operating Expenses							
Total Salaries & Employee Benefits (4)	(132,274)		$ (132,274)	(137,565)	(143,068)	(148,791)	(154,743)
Total Services & Supplies (5)	(200,812)		$ (200,812)	(210,853)	(221,396)	(232,466)	(244,089)
Other	(74,512)		$ (74,512)	(74,512)	(74,512)	(74,512)	(74,512)
Fixed Assets (4)	(56,000)		$ (56,000)	(56,000)	(56,000)	(56,000)	(56,000)
Prop 84 (6)		(500,000)					
Contingencies	(20,000)		$ (20,000)	$ (20,000)	$ (20,000)	$ (20,000)	$ (20,000)
Total Estimated Expenses	$ (483,598)	$ (500,000)	$ (983,598)	$ (498,930)	$ (514,976)	$ (531,769)	$ (549,344)
Ending Balance	$ 64,824		$ 64,824	$ 59,316	$ 47,586	$ 23,379	$ (25,817)

Notes:
(1) See Table 1 for budget detail unless otherwise noted.
(2) Anticipated budget addition for the Proposition 84 grant.
(3) Total Reserves include a $55,000 per year increase to account for inflation.
(4) Annual increase is based on an annual increase of 4.0%.
(5) Annual increase is based on an annual increase of 5.0%.

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6/30/2011

PUBLIC HEARING NOTICE
PROPOSED WATER AND SEWER SERVICE CHARGE INCREASES
IVANHOE PUBLIC UTILITY DISTRICT

TO: Record owners of parcels inside the service area of the District
Renters who are customers of the District

FROM: Board of Directors
Ivanhoe Public Utility District

Please take notice that, in accordance with the rules and procedures established under Article 13(D) of the California Constitution and those additional procedures established under Section 53750 et. seq of the Government Code of the State of California, also referred to as Proposition 218, the Ivanhoe Public Utility District (District) proposes to increase the monthly water and sewer service charges to District customers.

1. **ISSUE**: The District last raised water service charges in Fiscal Year 1992-1993 and sewer service charges in Fiscal Year 1992-1993. Cost increases have led the District to be more cost efficient and to delay mandated modifications to the utility systems. These cost increases have continued to grow and the utility systems continue to grow older, causing the District to be forced to onsider an increase in rates to offset maintenance and replacement costs.

2. **TOTAL MAXIMUM REVENUE REQUIREMENTS AND PROPOSED WATER AND SEWER SERVICE CHARGE AMOUNTS**: Presented in Table A is the 5-year projected revenue requirements and the responsive 5-year proposed water and sewer service charge increase amounts. The amounts listed in Table A, are the initial and maximum amounts that the monthly rates could be raised through Fiscal Year 2013-2014. The table shows the initial and maximum service charge amounts if the District retains its property tax revenue share and the table also shows the initial and maximum service charge amounts if the District loses its property tax revenue.

3. **DURATION OF PAYMENT**: The charges shall be levied monthly and shall be established by action of the Board. The charges listed refer to initial and maximum charges. The Board may increase the monthly rates at levels lower than the maximums stated above. Please be advised that no increase in your monthly rate can be imposed in excess of the rates shown above without another action, like this action, involving the affected landowners.

4. **REASON FOR THE INCREASES**: The increases in charges are intended to generate funds for the District in amounts necessary to balance the annual budgets. Rates were increased the last time in Fiscal Year 1992-1993 for water and Fiscal Year 1992-1993 for sewer. Since the time of the last rate increase, the District has experienced cost increases, especially with regard to salaries, maintenance, fuel costs and power costs. Further, the water and sewer systems re in need of rehabilitation. A full and complete derivation of the increased amounts is set forth in he Engineers' Report, a copy of which is available at the District office.

5. **BASIS UPON WHICH THE CHARGES ARE CALCULATED**: The total amounts of the increases are based upon the projected budgets of the District. Revenue amounts were allocated to customers who are connected to the water and sewer systems of the District based on single-family residential equivalency.

6. **AFFECTED PARCELS**: The parcels upon which charges are to be imposed are located inside the District boundary as shown on the attached Figure 1. Out of District customers are bound by ordinance provisions.

7. **DATE, TIME AND LOCATION OF PUBLIC HEARING**:

DATE:	24 August 2009
TIME:	6:30 p.m.
LOCATION:	Walnut Grove Assembly of God 32576 Road 160 Ivanhoe, California

Protests to the proposed water and sewer service charge increases must be submitted in writing and signed by the customer or landowner of record for each parcel located in the District impacted by the proposed charges. The District must be in receipt of all protest documents before the close of the Public Hearing. The District's mailing address is: 15859 Azalea Avenue, Ivanhoe, CA 93235.

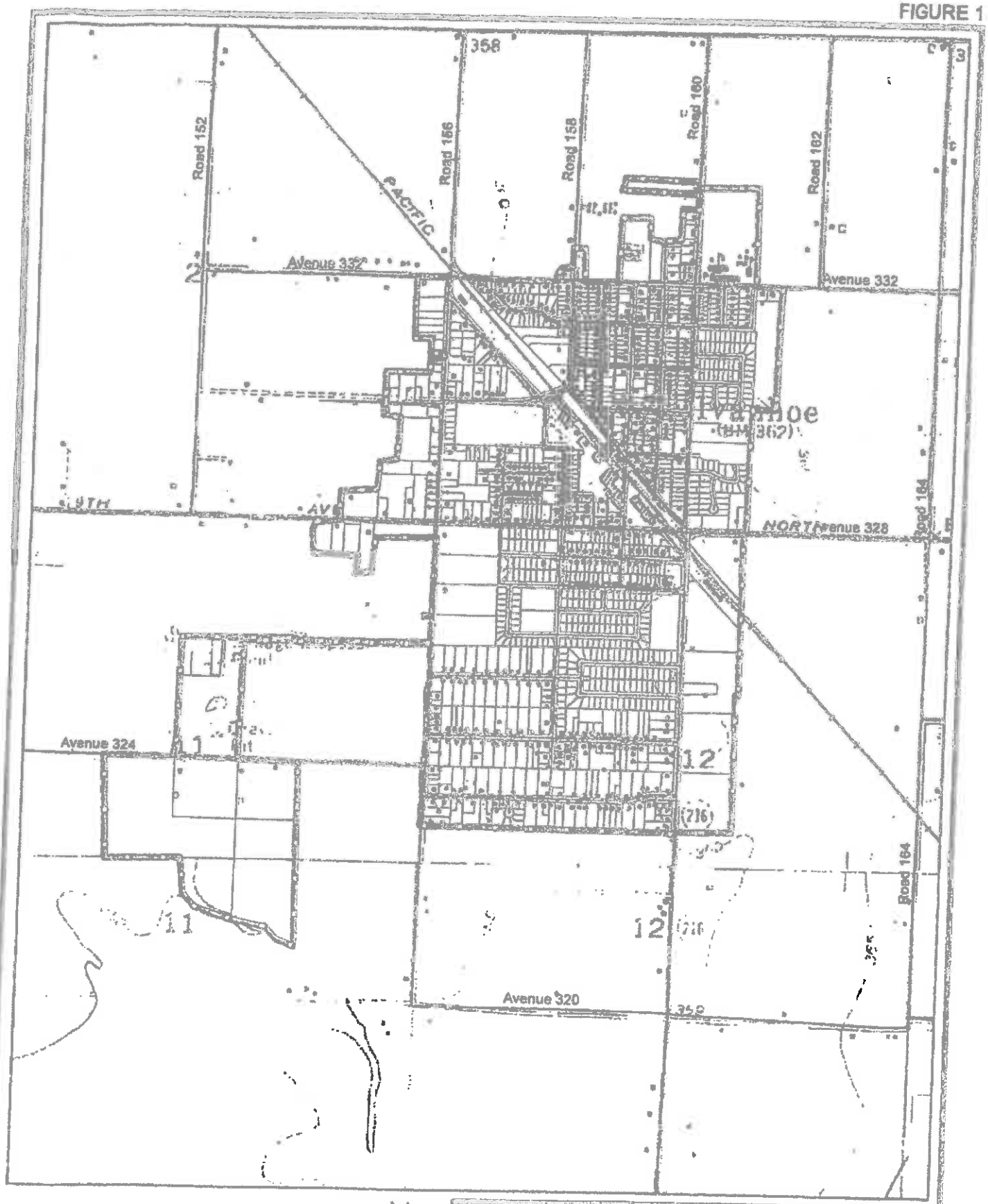
If you have questions regarding the proposed charge or the hearing process, please contact Carol A. Edwards Fina at 559/798-0512.

TABLE A
TOTAL MAXIMUM REVENUE REQUIREMENTS AND PROPOSED WATER AND SEWER SERVICE CHARGE AMOUNTS
PUBLIC HEARING NOTICE
IVANHOE PUBLIC UTILITY DISTRICT

Budget	Revenue Purpose	SFRUE (1) Number	CHARGES IF DISTRICT RETAINS PROPERTY TAX SHARE						CHARGES IF DISTRICT LOSES PROPERTY TAX SHARE					
			Supplemental Revenue Maximum Amount	Proposed Monthly Increase		Total Monthly Rate			Supplemental Revenue Maximum Amount	Proposed Monthly Increase		Total Monthly Rate		
							Proposed						Proposed	
				Initial	Maximum	Present	Initial	2013-2014		Initial	Maximum	Present	Initial	2013-2014
Water	Fund loan repayment, offset increased operating costs and cover 5 years of cost escalation.	1,334	$353,962	$ 13.18	$ 22.11	$ 14.56 (2)	$ 27.74 (3)	$ 36.67 (3)	$390,332	$ 15.45	$ 24.38	$ 14.56 (2)	$ 30.01 (3)	$ 38.94 (3)
Sewer	Offset increased operating costs and cover 5 years of cost escalation.	1,342	$182,507	$ 6.63	$ 11.33	$ 9.50	$ 16.13	$ 20.83	$218,877	$ 8.89	$ 13.59	$ 9.50	$ 18.39	$ 23.09

(1) SFRUE - Single Family Residential Unit Equivalent.
(2) Average. Present rate is $9.50 base charge and $0.22 per 100 cubic foot consumption charge.
(3) Estimated Average fee.

FIGURE 1



Legend

DISTRICT BOUNDARY

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DISTRICT BOUNDARY

PROPOSITION 218

IVANHOE PUBLIC UTILITY DISTRICT

IVANHOE PUBLIC UTILITY

Final July 1, 2012 through June 30, 2013 Budget

	Water			Sewer			Street Lights		
	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final
R[illegible]									
[illegible]omer Fees	436,328.73	460,800.00	441,000.00	274,178.26	295,200.00	279,000.00	26,471.08	34,800.00	[illegible],000.00
Reconnect Fees	480.00	360.00	520.00	500.00	360.00	520.00	0.00	0.00	0.00
Capacity Rights Connection	92,979.06	3,600.00	3,600.00	84,757.55	4,670.00	4,670.00	0.00	0.00	0.00
Misc Reim, & Charges	1,946.46	100.00	100.00	1,617.35	100.00	100.00	0.00	0.00	0.00
Property Taxes	0.00	0.00	0.00	59,458.61	0.00	0.00	0.00	0.00	0.00
Late Fees Charged	10,030.00	11,496.00	11,000.00	10,030.00	11,496.00	9,000.00	0.00	0.00	0.00
48 Hour Hand Del Fee	3,460.00	3,600.00	3,600.00	3,460.00	3,600.00	3,600.00	0.00	0.00	0.00
Rents & Leases	0.00	0.00	0.00	3,860.00	4,200.00	4,200.00	0.00	0.00	0.00
Total Revenues	545,214.25	479,956.00	459,820.00	437,871.67	319,626.00	301,090.00	26,471.08	34,800.00	27,000.00
Salaries & Employee Benefits									
Wages	74,951.13	92,004.00	98,000.00	74,951.06	92,004.00	98,000.00	0.00	0.00	0.00
Director Fees	1,804.50	1,506.00	3,800.00	1,554.50	1,506.00	3,800.00	0.00	0.00	0.00
Retirement	4,945.76	8,200.00	5,200.00	4,945.80	8,200.00	5,200.00	0.00	0.00	0.00
Payroll Taxes	6,749.85	10,200.00	8,820.00	6,749.77	10,200.00	8,820.00	0.00	0.00	0.00
Health Insurance	12,681.42	12,000.00	12,000.00	12,681.43	12,000.00	12,000.00	0.00	0.00	0.00
Life Insurance	393.89	360.00	400.00	393.90	360.00	400.00	0.00	0.00	0.00
Workers Compensation Ins	8,529.28	8,004.00	7,500.00	6,716.86	7,008.00	6,200.00	0.00	0.00	0.00
Total Salaries & Emp Ben	109,755.83	132,274.00	135,720.00	107,993.34	131,278.00	132,420.00	0.00	0.00	0.00
Services & Supplies									
Accounting	2,850.23	3,240.00	3,000.00	2,850.24	3,240.00	3,000.00	0.00	0.00	0.00
Audit	8,279.00	6,000.00	6,175.00	8,279.00	6,000.00	6,175.00	0.00	0.00	0.00
Bank Charges	0.00	100.00	60.00	0.00	100.00	60.00	0.00	0.00	0.00
Engineering	41,210.95	20,000.00	80,004.00	52,849.40	16,800.00	80,004.00	2,051.74	3,000.00	3,000.00
Fees & Permits	21,092.09	15,600.00	24,000.00	2,146.50	13,800.00	4,000.00	0.00	0.00	0.00
Employee Schooling	292.50	3,000.00	3,000.00	42.50	3,000.00	3,000.00	0.00	0.00	0.00
Miscellaneous	395.49	120.00	480.00	393.38	120.00	480.00	0.00	0.00	0.00
Communications	3,219.23	2,500.00	3,200.00	3,138.27	2,800.00	3,200.00	0.00	0.00	0.00
Uniforms	1,251.83	2,000.00	1,300.00	1,251.87	2,000.00	1,300.00	0.00	0.00	0.00
Insurance - General	5,945.12	10,008.00	7,000.00	5,945.13	10,008.00	7,000.00	0.00	0.00	0.00
Legal	5,482.75	6,000.00	6,000.00	5,482.78	8,000.00	6,000.00	225.00	0.00	250.00
Medical	0.00	100.00	100.00	0.00	100.00	100.00	0.00	0.00	0.00
Equip Maint - Wells	65,150.99	25,000.00	50,000.00	0.00	0.00	0.00	0.00	0.00	0.00
E[illegible]ip Maint - Trucks	372.85	2,004.00	1,200.00	381.73	2,004.00	1,200.00	0.00	0.00	0.00
[illegible] Maint - General	292.85	1,500.00	1,000.00	2,600.70	4,008.00	3,000.00	0.00	0.00	0.00
[illegible]p Maint - Treatment Plant	0.00	0.00	0.00	9,731.33	10,000.00	10,000.00	0.00	0.00	0.00
Structure, Impr, Grnd Maint	10,084.05	7,000.00	9,000.00	11,480.92	11,400.00	11,400.00	0.00	0.00	0.00
Office Expenses	6,001.71	5,000.00	5,000.00	5,450.83	5,000.00	5,000.00	0.00	0.00	0.00
Postage & Billing	2,161.98	2,160.00	2,100.00	2,007.57	2,160.00	1,800.00	0.00	0.00	0.00
Software	891.47	2,500.00	2,400.00	891.47	2,500.00	2,400.00	0.00	0.00	0.00
Public/Legal Notices	63.99	120.00	100.00	63.99	120.00	100.00	0.00	0.00	0.00
Rents & Leases	539.37	1,008.00	530.00	625.03	1,008.00	530.00	0.00	0.00	0.00
Small Tools	575.35	600.00	600.00	693.65	600.00	600.00	0.00	0.00	0.00
Subscriptions	602.97	500.00	500.00	602.98	500.00	500.00	0.00	0.00	0.00
Special Expenses	248.00	600.00	300.00	0.00	600.00	300.00	0.00	0.00	0.00
Supplies - Well & Plant	2,270.08	6,800.00	3,200.00	5,088.54	6,800.00	5,500.00	0.00	0.00	0.00
Supplies - Safety	604.31	1,500.00	1,000.00	731.99	1,500.00	1,000.00	0.00	0.00	0.00

IVANHOE PUBLIC UTILITY

Final July 1, 2012 through June 30, 2013 Budget

	Water			Sewer			Street Lights		
	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final
Services & Supplies (Continued)									
portation & Travel	3,430.14	4,008.00	4,000.00	4,831.62	4,008.00	4,000.00	0.00	0.00	
...puter Expenses	899.70	504.00	900.00	899.70	504.00	900.00	0.00	0.00	0.00
Utilities - Office	2,058.70	1,800.00	1,920.00	1,693.13	1,800.00	1,920.00	0.00	0.00	0.00
Utilities - Plant	54,533.46	60,000.00	60,000.00	14,733.20	17,100.00	16,000.00	9,697.41	15,000.00	0.00
Meter Installation	2,465.50	1,500.00	2,000.00	0.00	0.00	0.00	0.00	0.00	9,000.00
Water Testing	8,520.00	5,280.00	8,800.00	2,440.00	3,500.00	2,500.00	0.00	0.00	0.00
Total Services & Supplies	250,988.66	199,652.00	266,869.00	147,327.45	140,580.00	182,969.00	11,974.15	18,000.00	0.00
									12,250.00
Net Operating Income (Loss)	184,491.76	147,830.00	37,231.00	182,650.88	47,768.00	(14,299.00)	14,498.93	16,800.00	
									14,750.00
Other Income (Expense)									
Interest Income	21,201.88	14,652.00	0.00	6,537.96	4,500.00	0.00	175.84	0.00	
Bad Debt	(1,029.68)	(980.00)	0.00	(824.72)	(980.00)	0.00	(27.00)	0.00	0.00
Capital Expenditures - Computers	(569.46)			(569.46)			0.00		0.00
Capital Expenditures - Land	(300.00)			(300.00)			0.00		
Total other Income (Expenses)	19,302.74	13,692.00	0.00	4,843.78	3,540.00	0.00	148.84	0.00	
									0.00
Net Income (Loss)	203,794.50	161,522.00	37,231.00	187,494.66	51,308.00	(14,299.00)	14,645.77	16,800.00	
									14,750.00

IVANHOE PUBLIC UTILITY

July 1, 2012 through June 30, 2013 Projected Cash Flow

	Water			Sewer			Street Lights		
	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 2013 Final	June 30 2012 Prelim YTD	June 30 2012 Budget	June 30 201: Fina
Projected Net Income (Loss)	203,794.50	161,522.00	37,231.00	187,494.66	51,308.00	(14,299.00)	14,645.77	16,800.00	14,750.00
A s In Operations no Requiring Cash									
Cash Provided by									
Decrease (Increase) Receivables	(12,472.93)	0.00	0.00	(15,929.10)	0.00	0.00	(2,869.82)	0.00	0.00
Increase (Decrease) Payables	5,569.99	0.00	0.00	5,685.91	0.00	0.00	0.00	0.00	0.00
Less									
Cash Expended for									
Fixed Assets									
Plant & Equipment	(464.35)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital Expenditures - Water Lines/Meter Intallation		(36,000.00)	(25,000.00)		0.00	0.00		0.00	0.00
Capital Expenditures - Valves		(20,000.00)	(20,000.00)		0.00	0.00		0.00	0.00
Capital Expenditures - Land		0.00	(25,000.00)		0.00	0.00		0.00	0.00
Capital Expenditures - Contingencies		(20,000.00)	0.00		(40,000.00)	0.00		0.00	0.00
Loan Principal Payments									
SRF Loan	(37,356.18)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cash Increase (Decrease) for Period	159,101.03	85,522.00	(32,769.00)	177,251.47	11,308.00	(14,299.00)	11,775.95	16,800.00	14,750.00
Beginning Cash Balances	3,174,585.60	3,174,585.60	3,333,686.63	946,550.94	946,550.94	1,123,802.41	21,337.77	21,337.77	33,113.72
Ending Cash Balances	3,333,686.63	3,260,107.60	3,300,917.63	1,123,802.41	957,858.94	1,109,503.41	33,113.72	38,137.77	47,863.72
Cash Balance Before Reserves	3,333,686.63	3,260,107.60	3,300,917.63	1,123,802.41	957,858.94	1,109,503.41	33,113.72	38,137.77	47,863.72
Reserve Funds									
Wells	(1,429,838.25)	(1,429,838.25)	(1,429,838.25)	0.00	0.00	0.00	0.00	0.00	0.00
Treatment Plant	0.00	0.00	0.00	(584,447.39)	(584,447.39)	(584,447.39)	0.00	0.00	0.00
SRF	(145,349.10)	(145,349.10)	(145,349.10)	0.00	0.00	0.00	0.00	0.00	0.00
Air Compressor	(12,098.10)	(12,098.10)	(12,098.10)	(12,097.79)	(12,097.79)	(12,097.79)	0.00	0.00	0.00
Non Specific Equipment	(11,046.76)	(11,046.76)	(11,046.76)	(11,046.75)	(11,046.75)	(11,046.75)	0.00	0.00	0.00
Pickup Trucks	(21,167.40)	(21,167.40)	(21,167.40)	(15,782.09)	(15,782.09)	(15,782.09)	0.00	0.00	0.00
Site Fences	(29,460.02)	(29,460.02)	(29,460.02)	(33,666.33)	(33,666.33)	(33,666.33)	0.00	0.00	0.00
Replacement	0.00	0.00	0.00	(54,707.73)	(54,707.73)	(54,707.73)	0.00	0.00	0.00
ler	0.00	0.00	0.00	(18,937.32)	(18,937.32)	(18,937.32)	0.00	0.00	0.00
ing Machine	0.00	0.00	0.00	(27,353.91)	(27,353.91)	(27,353.91)	0.00	0.00	0.00
Manhole Replacement	0.00	0.00	0.00	(16,570.11)	(16,570.11)	(16,570.11)	0.00	0.00	0.00
Standby Generator	0.00	0.00	0.00	(22,093.60)	(22,093.60)	(22,093.60)	0.00	0.00	0.00
Connection Fees	(90,848.24)	(90,848.24)	(90,848.24)	(82,602.92)	(82,602.92)	(82,602.92)	0.00	0.00	0.00
Cash Balance Available for Use	1,593,878.76	1,520,299.73	1,561,109.76	244,496.47	78,553.00	230,167.47	33,113.72	38,137.77	47,863.72
Bank Balance End of Period									
Cash In Till									
Checking - SRF									
Checking - Valley Business Bank									
MM - Valley Business Bank									
LAIF									
CD 1948 - Valley Business Bank									
Ending Cash Balances									

Schedule No. VS-1-R
Visalia Tariff Area
RESIDENTIAL METERED SERVICE

This tariff was approved by the California Public Utilities Commission. Original stamped versions are available upon request

APPLICABILITY

Applicable to all metered water service provided to single-family residential customers.

TERRITORY

Visalia and vicinity, Tulare County.

RATES

Quantity Rates:

For the first 1,100 cubic feet, per 100 cubic feet	$0.9562
For the next 1,800 cubic feet, per 100 cubic feet	0.9757
For all over 2,900 cubic feet, per 100 cubic feet	1.0928

Service Charge:		Per Meter Per Month
For	5/8 x 3/4 - inch meter	$11.75
For	3/4 - inch meter	17.63
For	1 - inch meter	29.38
For	1-1/2 - inch meter	58.75
For	2 - inch meter	94.01
For	3 - inch meter	176.26
For	4 - inch meter	266.79
For	6 - inch meter	437.50
For	8 - inch meter	666.95
For	10 - inch meter	1,351.36
For	12 - inch meter	1,938.91
For	14 - inch meter	2,643.96

The service charge is a readiness-to-serve charge which is applicable to all metered service and to which is added the charge for water used computed at the quantity rates.

SPECIAL CONDITIONS

1. All bills are subject to the reimbursement fees set forth on Schedule UF.
2. All bills are subject to any applicable surcharges/surcredits on Schedules RSF, LIRA-SC and AS. (T)
3. Qualifying low-income individually metered residential customers are eligible for credits as shown on Schedule LIRA.

(D)

4. A WRAM-MCBA true-up surcharge of $0.0837 per 100 cu. ft. of water used is to be applied to the quantity rates for 18 months beginning May 3, 2012, the effective date of Advice Letter 2073-B.
5. A Temporary Interest Rate Balancing Account surcredit of $0.18 per service per month will be applied to each bill for 12 months, beginning August 31, 2012, the effective date of Advice Letter 2084.
6. A Water Cost of Capital Memorandum Account surcredit of $0.42 per service per month will be applied to each bill for 12 months, beginning September 1, 2012, the effective date of Advice Letter 2085.
7. A WRAM-MCBA true-up surcredit of $0.0270 per 100 cu. ft. of water used is to be applied to the quantity rates for 12 months beginning March 15, 2013, the effective date of Advice Letter 2097.

New Sources Pilot

Community Review: Ivanhoe Community, 4,500 Population

Minutes 2/12/2014

Participants:

1. Carol Fina Office Manager 35 years living in the community
2. Cathleen Perez Board member (1 Yr), 35 years
3. Refugio Gallegos (operator)- 28 yrs with the district
4. Jose Verduzco (community resident).
5. Gilbert Barajas-Community resident and community council

Michael: review of alternatives and summary of challenges.

Feedback and questions to summary:

-Refugio has not noticed a drop in groundwater levels. Nitrates are increasing. Was also interested in knowing how successful casing certain sections of the water well is in preventing contamination. If you case a well is there a guarantee that it will not get contaminated?

-Refugio: 7 wells, 4 over the MCL (but are on standby). Well 8 is new and producing 950 gals. The standby well has TCP (4), currently only using 3 wells and ok with capacity. Well 3 shut down with DBCP,

-Refugio: direct one well with nitrates for school yard or something to keep it moving.

- Refugio: can nitrates affect washing down fruit?

-Carol: Nitrate impact on infants.

-8,4,6 (nitrates are close to MCL)=Good wells

-Refugio: older valves are better than the new ones because of the seals.

Questions:

Have we captured adequately capture the water needs of your district?

- Jose: Replaced the lines lateral from the meter to the house- replaced it with plastic much better. The water used to come out brown.
- Refugio: Financial challenge for residents to replace the lateral connection from home to meter.

Potential Alternatives and Feedback:

1. ADD BLENDING***
2. New water supply wells
    a. Already pursuing this alternative

3. Connection to the City of Visalia (Cal Water)
    a. Not during my life time- Carol because it will take too long to happen.
    b. Waste water treatment plant will be in the urban boundary of the city of Visalia
    c. Need to make a distinguish that this option is more complicated because the ownership of the water system would likely go from public to private.
    d. Least preferred
4. Utilization of non-potable well(s) for large irrigation areas (school)-well 7
    a. Refugio: Would be one vehicle to consider
    b. Carol: would have to check with the State to ensure this is allowed,
5. Replacement of small (potentially leaking) water distribution pipelines
    a. Carol: done a lot on the system, homes not replacing pipes from home to meter
    b. Lots of leaks on the personal property- the PUD cannot do anything about.
    c. The PUD is on meters.

Feedback in general to alternatives:

Cathleen: Want an alternative best for the community and clients. Income is low and folks live paycheck to paycheck.

Carol: need to balance affordability. Base rate $16.75 base just water ~$20-25 average for water, $ 16.40 sewer. Commercials also on meters, good financial status because of the lawsuit for DBCP (Shell/DOW) 1987

Jose: likes alternatives: 1/2/3.

Potential Recommendations/ Feedback:

1. Change the status of well with nitrates (wells 2,6,7)
2. Construct test wells to determine viable aquifers-current funding application task
3. Perform a hydrogeological study to determine viability of groundwater resources-current funding application task
4. Consider discussion of Cal Water for future water service
5. Consider a moratorium for new connections
    a. Carol: Moratorium of new annexation **outside** the district because of the capacity. Keller estimated per lot the amount of water needed (years ago 1999).
6. Investigate utilization of IRWM as a funding vehicle
    a. Kaweah IRWMP
    b. Carol on the listserve from the Kaweah IRWMP

Carol: The Ivanhoe PUD got new source because the County wanted Affordable Housing (from LA). The County paid most of the cost for the new well and expanded the ponds in order to add the apartment complex. Affordable Housing.

Questions Michael has for the district:

1. Meter use of the school?
2. Number of kids at the school?
3. Gap of what you pump and what you sell to customers?

Decision Tree Overview and Feedback:

Intent: to educate all the board members and the community. A sense of how things get done.

Step 1: Do I have a problem?

Step 2: Is there money available to evaluate the system and alternatives?

Step 3: funding options (loans, etc. any type of money has requirement)

Evaluate the 9 Alternatives Available

- Which one makes more sense (politically, financially etc.)

What did you think of the decision trees? Are they useful? What is useful about them?

-Carol: Good process, at leary at the begging because not sure, good idea, wants to learn from other communities to learn, it will go a long way to help community solve problems, likes charts, help to explain to customers why it takes so long.

-Refugio: statistics were useful, useful tool when you break it down, useful tool to route your pattern for steps and solutions.

-Board member- it explains things to be able to learn and it would also be useful for other board members too.

Next steps:

- Michael will look at blending option and get more info from the district.
- Final presentation to the board. March
- SOAC April 21, 4:30-6:30