

Water Commission's Meetings

NOTICE OF TEMPORARY PROCEDURES FOR THE WATER COMMISSION MEETINGS

On March 17, 2020, California Governor Gavin Newsom issued Executive Order N-29-20, relating to the convening of public meetings in light of the COVID-19 pandemic. The County of Tulare hereby provides notice that it will continue to convene its regularly scheduled public meetings of the Water Commission in the Conference Rooms A&B at 2800 W. Burrell Ave, Visalia, as provided in the publicly posted agenda notice, and until further notice.

Based on guidance from the California Department of Public Health and the California Governor's Office, to minimize the spread of the COVID-19 virus, members of the public are encouraged to participate in the Board meetings in the following ways:

1. REMOTE VIEWING: Listen to the live audio stream of the Water Commission meeting at

Join Zoom Meeting

<https://tularecounty-ca.zoom.us/j/96545299872?pwd=TXZWOUorQ1hZRkNkWG1tRDVEcUZtZz09>

Meeting ID: 965 4529 9872

Password: 193643

Call In +1 669 900 9128

Meeting ID: 965 4529 9872

Password: 193643

2. PUBLIC COMMENT: If you choose not to attend the Water Commission meeting but wish to comment on a specific agenda item we have the following options available:

a. Submit written comments on an agenda item to the Clerk of the Water Commission at DEngland@co.tulare.ca.us for distribution to the Water Commission before the meeting. If you would like to support, oppose, or otherwise comment on a Water Commission' agenda item, please consider sending in your comment rather than attending the meeting in person. All communication, whether it is a formal letter or a one-line informal email, is read by the Water Commission. Also, if you are part of a large group that would like to comment on an agenda item, please consider commenting in writing or sending one spokesperson to speak on behalf of the group.

Written comments may also be submitted by U.S. mail, at:

Tulare County Administrative Office

c/o Clerk of the Water Commission

2800 W. Burrell Ave.

Visalia, CA 93291

b. To participate during the Water Commission meeting, please call (559) 636-5000. Each caller will, one at a time, be connected to the Board room to address the Commission in the same manner as if the caller were there in person. The caller will be requested to state his or her name and address for the record, and the caller's statements will go through the PA system in order to be heard by everyone in the room. The statements will go out on the live audio stream. The three (3) minute limit will apply to all public comments.

c. Alternatively, you may participate during the Commission meeting by submitting an email as the item is being heard. Emails should include the sender's name and address for the record. Emails should include the agenda item number and sent to the Clerk of the Water Commission at DEngland@co.tulare.ca.us. Every effort will be made to read your comment into the record, but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received before the end of the meeting.

d. If you attend the Water Commission meeting in person, all attendees will be requested to engage in social distancing measures by maintaining a 6-foot distance from other attendees. Exposed surfaces will be sanitized prior to the meeting and attendees are encouraged to avoid contact with surfaces such as microphones and door handles. Large groups wishing to comment on a common item are encouraged to submit comments in writing or to send one spokesperson to speak on behalf of the group.

Water Commission October 12, 2020 can be viewed live through Zoom. Click here to join the Water Commission Live Stream:

Join Zoom Meeting

<https://tularecounty-ca.zoom.us/j/96545299872?pwd=TXZWOUorQ1hZRkNkWG1tRDVEcUZtZz09>

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TULARE COUNTY WATER COMMISSION
3:00 p.m. on Monday, October 12, 2020
BOARD OF SUPERVISORS CONFERENCE ROOMS A&B
2800 W. BURREL AVE.
VISALIA, CALIFORNIA 93291
VIRTUALLY OVER ZOOM (See Instructions)

NOTICE TO THE PUBLIC
PUBLIC COMMENT PERIOD

At this time, members of the public may comment on any item not appearing on the agenda. Under state law, matters presented under this item cannot be discussed or acted upon by the Water Commission at this time. For items appearing on the agenda, the public is invited to make comments at the time the item comes up for the Water Commission's consideration. Any person addressing the Water Commission will be limited to a maximum of three (3) minutes so that all interested parties have an opportunity to speak. At all times, please use the microphone and state your name and address for the record.

AGENDA

1. Call to Order
2. Public Comment Period
3. Approve July 13, 2020 Minutes (Action Item)
4. Tulare County Flood Control Preparations, Ross Miller, RMA (Discussion, Possible Action)
5. Legislative Review (Discussion, Possible Action)
 - a. AB 3256 (Garcia)
 - b. SB 974 (Hurtado; Support)
 - c. SB 45 (Allen; Support)
 - d. SB 559 (Hurtado; Support)
6. Staff Reports (Discussion, Possible Action)
 - a. Tulare-Kern DACII Program
 - b. SGMA Implementation
7. Commissioners' Comments
8. Future Agenda Topics
9. Next meeting – Monday, November 9, 2020
10. Adjourn

Tulare County Water Commission Contact: Denise England, staff (559) 636-5000
Tulare County Water Commission website: <https://tularecounty.ca.gov/board/index.cfm/committees-commissions/water-commission>

Documents related to the items on this Agenda, submitted to the Board after distribution of the Agenda packet, are available for public inspection in the Board of Supervisors Office, 2800 W. Burrel Avenue, Visalia, CA during normal business hours. Such documents are also available online, subject to staff's ability to post the documents before the meeting, at the following website: <https://tularecounty.ca.gov/board/index.cfm/committees-commissions/water-commission>

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In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Clerk of the Board's Office at (559) 636-5000

TULARE COUNTY WATER COMMISSION

3:00 p.m. on Monday, July 13, 2020

MEETING NOTES

Members Present:

Pete Vander Poel, Board Representative and Chairman
Dennis Townsend, Board Alternate
Zack Stuller, District 1 Appointee
Tamara Kelly, District 3 Appointee
Chad Wegley, District 4 Appointee
Steve Etchegaray, District 5 Appointee
Martha Flores, TCAG Representative
Michael Lane, At-Large Appointee
Dominic Fino, At-Large Appointee

Members Absent:

Eric Quinley, District 2 Appointee
Paul Boyer, At-Large Appointee

Staff Present:

Denise England, Tulare County Administration Office
Matt Pierce, Tulare County Counsel
Rebecca Berg, CivicSpark Fellow, CAO
Paul Charpnetier, HHS Environmental Health
Ben Giuliani, LAFCo

Members of the Public Present:

Richard Garcia	Andrew Munn
Tricia Blattler	Vincent Salinas
John Gailey	

1. Call to Order
Chairman Vander Poel called the meeting to order at 3:00pm.
2. Public Comment Period
There was no public comment.
3. Approve June 8, 2020 minutes
On a motion made by Commissioner Lane and seconded Commissioner Fino, the minutes were approved unanimously.
4. San Joaquin Valley Water Infrastructure Financing Plan
5. Tommy Esqueda, California Water Institute, CSU Fresno provided a presentation regarding the San Joaquin Valley Water Infrastructure Financing Plan (slides attached). The Plan outlines a way to secure funding for \$5 billion in San Joaquin Valley water projects through a half-cent sales tax initiative over 10 years. The total Plan would cost approximately \$7 billion to cover non-capital costs. The Plan would cover eight counties and require a Joint Powers Authority to be formed to perform the work of the Plan. The Financing Plan would finance the projects identified through the San Joaquin Valley Blue Print initiative.

Commissioner Etchegaray asked about the two canal projects mentioned in the presentation, the Cross Valley Canal and the Friant Kern Canal. Specifically, he asked if the funding secured in Tulare County could go to those projects and be prioritized locally. Mr. Esqueda responded affirmatively and indicated how and where the funding is spent would be part of the vetting process.

Supervisor Townsend sought to clarify where the Cross Valley Canal was located, whether it was only in Kings and Tulare Counties. Mr. Esqueda responded that the project alignment would be vetted and that if only one jurisdiction passed the funding or the project only passed through one jurisdiction, a project could still be viable, however he underscored that pooling resources would create more robust flexibility for water deliveries.

Commissioner Etchegaray asked what the next steps should be and stated he would like to see the Water Commission support the Plan.

Supervisor Townsend reported that there is a Federal Bill moving forward to fund part of the Friant Kern Canal fix as well as a California Senate Bill in progress. He asked if that portion of the Plan were to garner outside funding, what would happen to the money identified in the Plan. Mr. Esqueda responded that any projects funded elsewhere would not be part of the plan and the sales tax could be rescinded early. He clarified that the Financing Plan funding is intended to be a matching fund.

Commissioner Kelly asked if new sources of water were included as part of the Plan. Mr. Esqueda responded that while it is not new water, the idea is to get more water from the Delta. This piece is part of the San Joaquin Valley Blue Print Vision and the Plan would finance the Vision.

Commissioner Etchegaray indicated that the alignment of the Cross Valley Canal would help facilitate getting additional water into the area by allowing flexibility to bring Aqueduct Water to the Tulare County.

Commissioner Wegley asked about any protections to avoid mismanagement from the State, such as Delta restrictions that have diminished water supply. Mr. Esqueda responded that the San Joaquin Valley Blue Print shared vision would address some of those issues.

On a motion made by Commissioner Etchegaray and seconded by Commissioner Lane, the Commission voted unanimously to recommend to the Board of Supervisors that they support and engage in the development of the San Joaquin Valley Water Infrastructure Financing Plan.

6. Legislative Update (Discussion, Possible Action)

- a. AB 3256 (Garcia)
- b. SB 974 (Hurtado; Support)
- c. SB 45 (Allen; Support)
- d. SB 559 (Hurtado; Support)

Denise England provided a status update on the bills. No action was taken.

7. Staff Reports

a. Tulare-Kern DACII Program

Ms. England reported the Program is on schedule with the exception of the DAC Education and Engagement tasks. The delays are due to COVID 19 and the consultant not being able to complete door-to-door septic system surveys. It is anticipated the funding agreement will be extended beyond the April 2021 end date. The webtool should be ready for public use by July 22nd.

b. SGMA Implementation

John Gailey commented that many of the GSAs were pushing their Prop 218 processes into 2021 due to COVID 19 challenges in getting information to stakeholders and holding public meetings.

8. Commissioners Comments

There were no Commissioner comments.

9. Future Agenda Topics-

There were no topics mentioned.

10. Next meeting – Monday, August 10, 2020 3:00 PM

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11. Adjourn

The meeting adjourned at 3:54 pm.

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TULARE COUNTY WATER COMMISSION

July 13, 2020

San Joaquin Valley Water Investment Program

Tulare County Water Commission

The Tulare County Water Commission is designed to examine a wide variety of water issues that impact Tulare County. The Water Commission serves as an advisory body to the Tulare County Board of Supervisors. The Commission is made up of local water experts including engineers, water district managers, elected officials and community activists.

Thomas C. Esqueda, Fresno State

Associate Vice-President Water and Sustainability

Executive Director, California Water Institute

San Joaquin Valley Water Investment Program

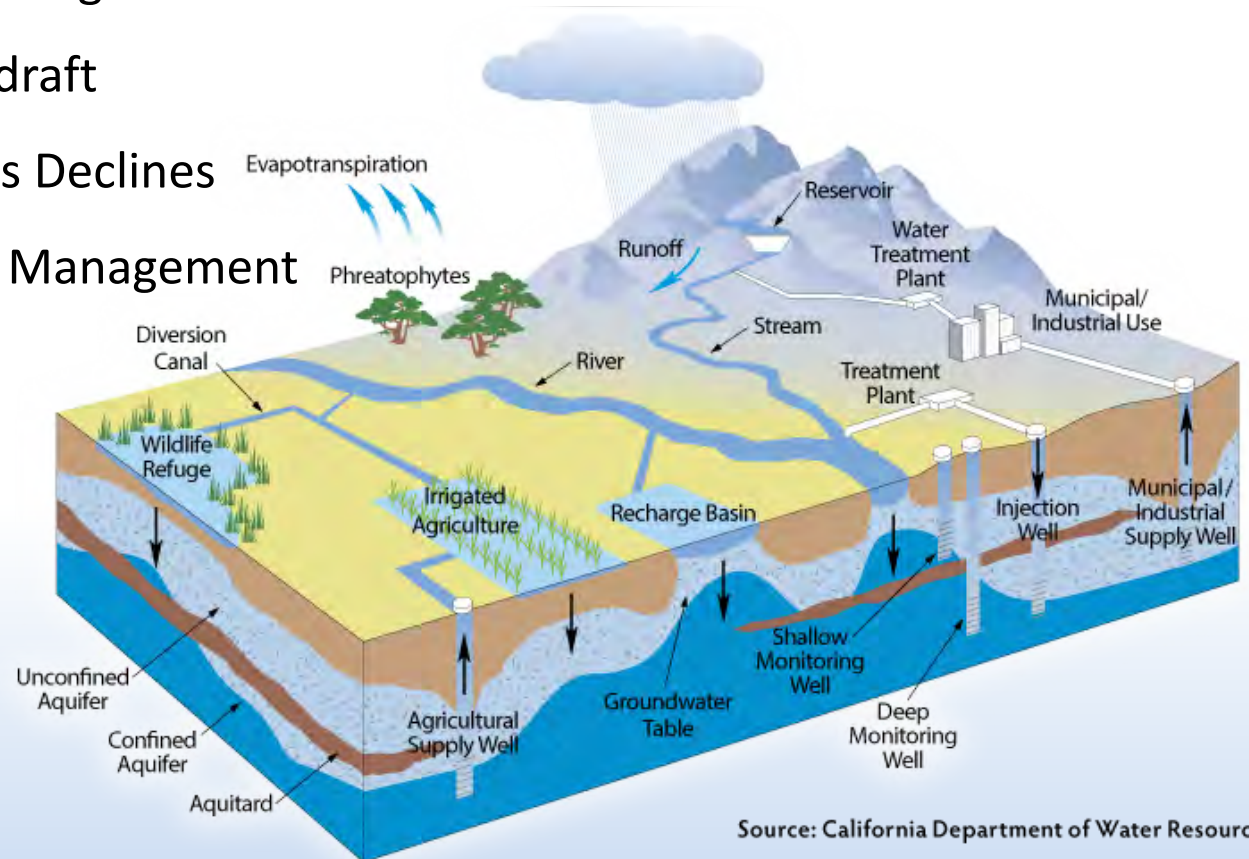
Water Shortage Condition Factors

1. Population growth and economic development
2. Climate Change
3. Aging and Deteriorating Infrastructure
4. Groundwater Overdraft
5. Endangered Species Declines
6. Fragmented Water Management

San Joaquin Valley Region

- 8 counties
- 21 groundwater basins
- *108 groundwater sustainability agencies*

Conjunctive Use Water System

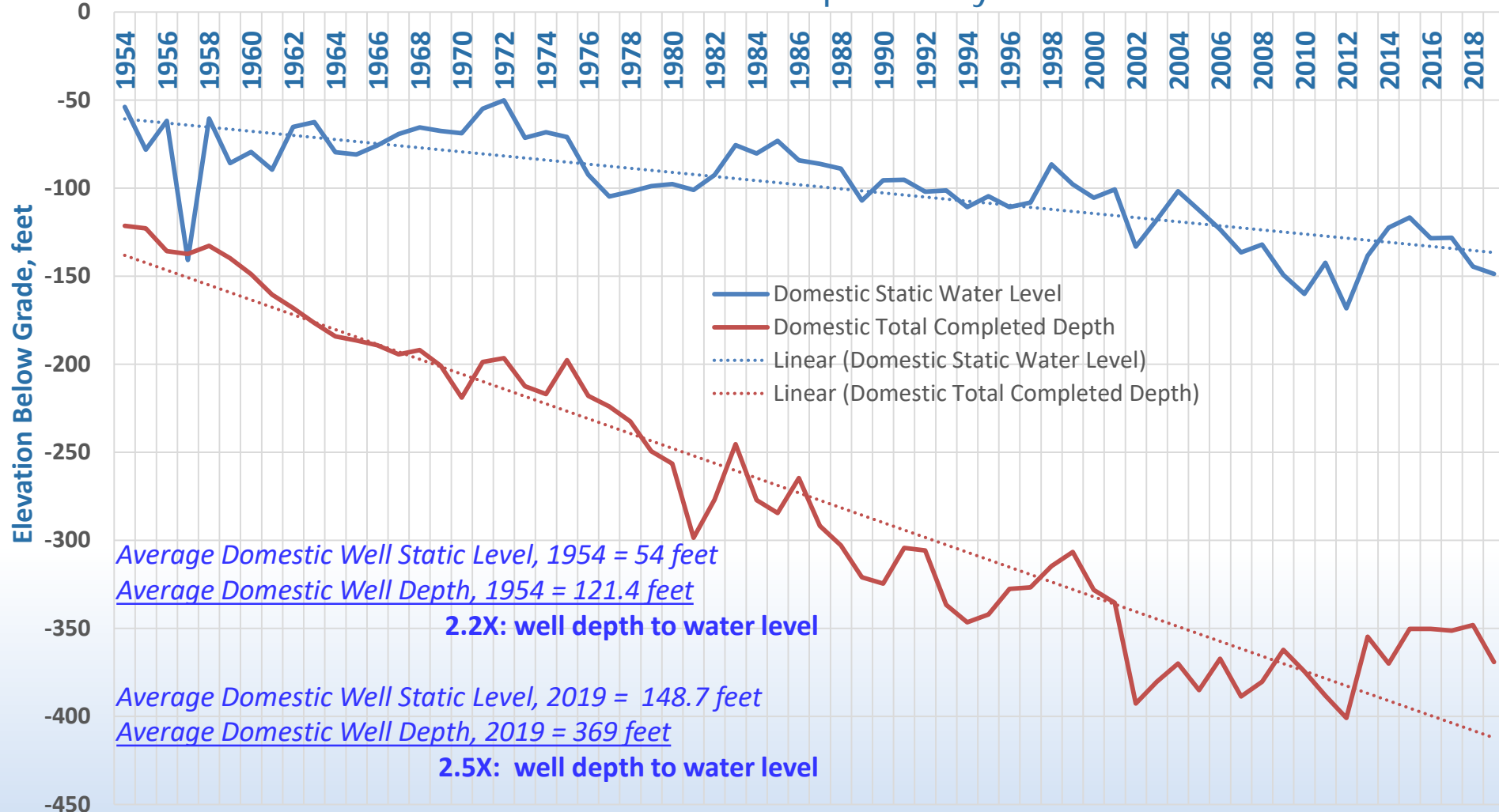


Source: California Department of Water Resources

San Joaquin Valley Water Investment Program

Water Shortage Condition Factors

Domestic Well Depths and Static Water Elevation Southern San Joaquin Valley



San Joaquin Valley Water Investment Program

California Water Resilience Portfolio Initiative

Stakeholder Engagement Sessions (4 hours)

Saturday, August 31, 2019

Saturday, September 7, 2019

- Urban
- Agriculture
- Environment
- Disadvantaged Community



San Joaquin Valley Water Investment Program

California Water Resilience Portfolio Initiative

Recommendation

1. Create a Shared-Vision for SJV Water Management
(urban, agriculture, DAC, and environment)
2. Prepare Conceptual-Level Water Investment Plan for Shared-Vision
3. Create a Organizational and Governance Structure to Implement Shared-Vision
4. Develop a Financing Strategy to Fund Shared-Vision
5. Develop Project Delivery Plan
 - a. Water User Coordination
 - b. Facility Planning
 - c. Environmental Permitting
 - d. Land Acquisition
 - e. Design
 - f. Construction
 - g. Startup and Commissioning



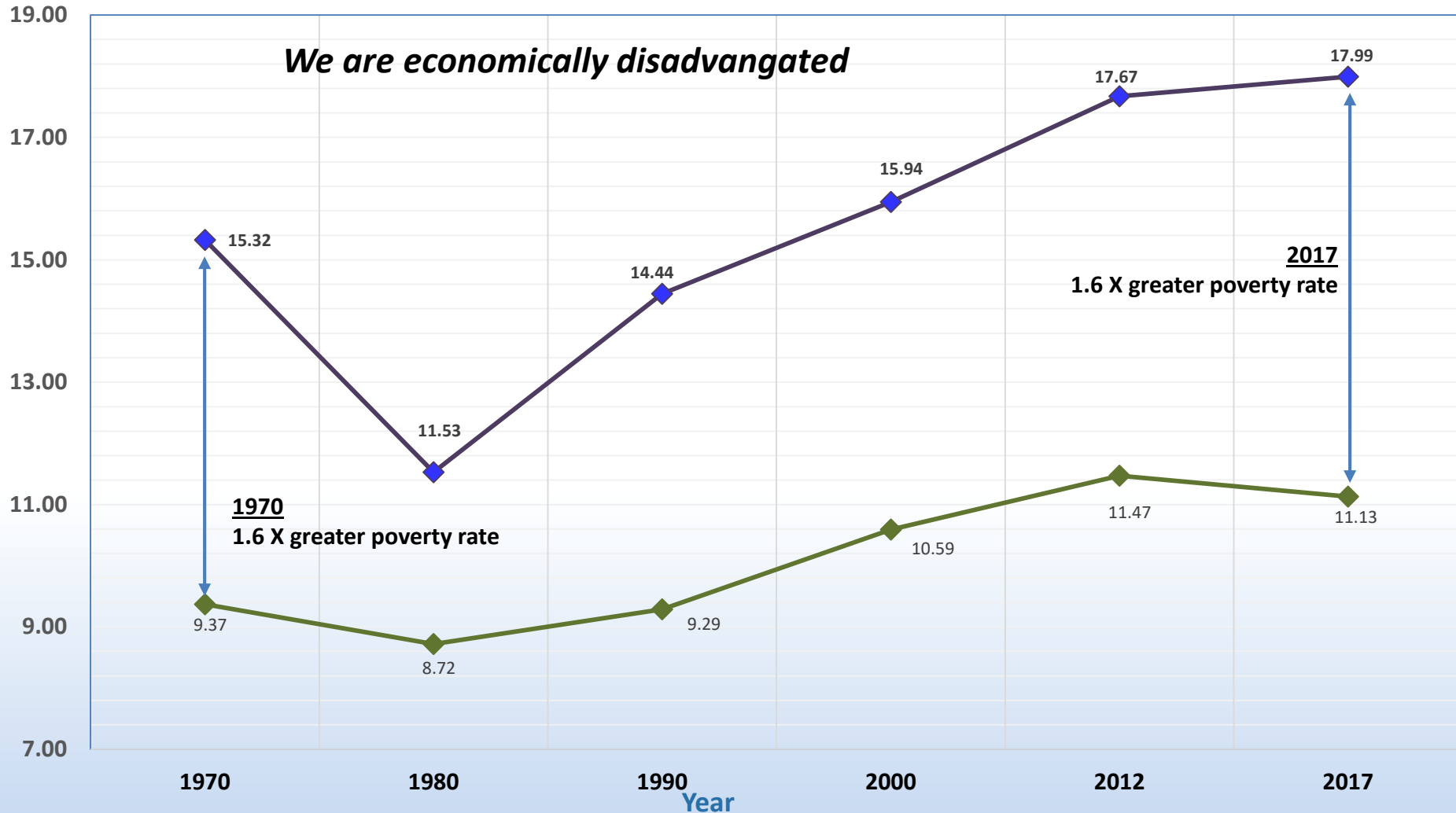
San Joaquin Valley Water Investment Program

Socioeconomic Considerations

—◆— All CA Counties
—◆— SJV Average

Historic Poverty Trend

SJ Valley versus State of CA
1970 to 2017



San Joaquin Valley Water Investment Program

Socioeconomic Considerations

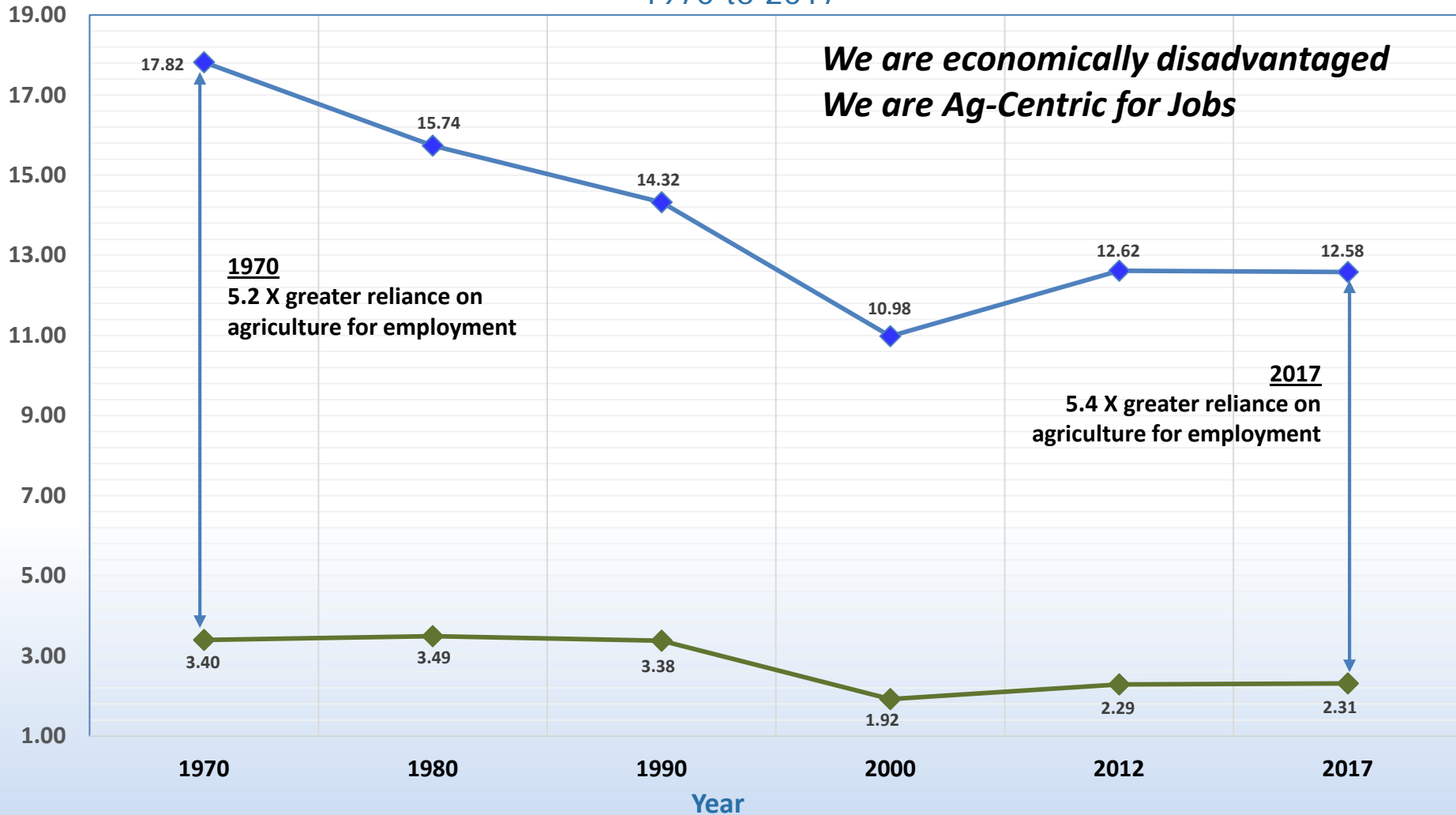
Historic Ag Sector Employment Trend

SJ Valley versus State of CA

1970 to 2017

◆ All CA Counties

◆ SJV Average



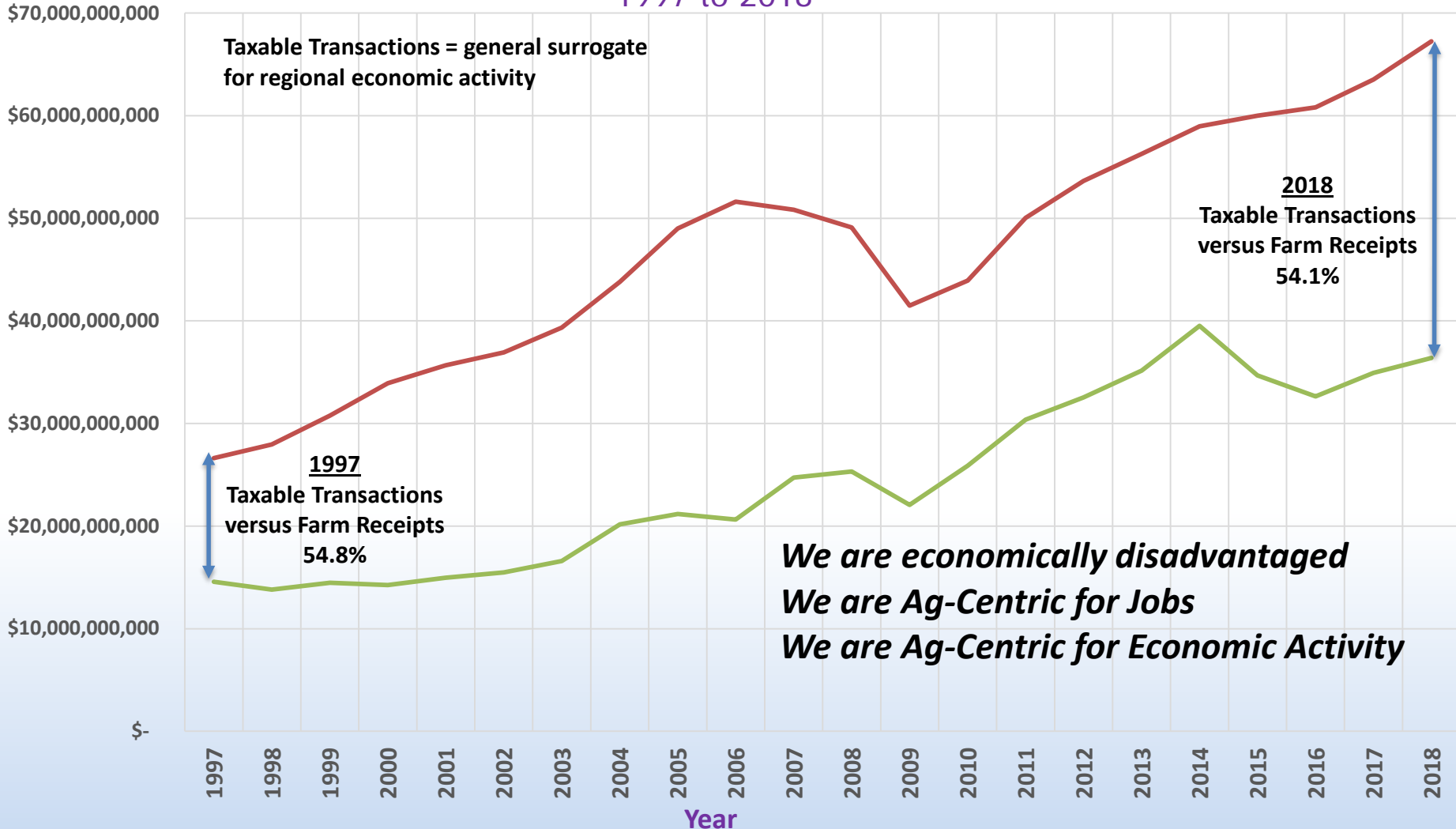
San Joaquin Valley Water Investment Program

Regional Economy

Annual Farm Receipts vs Taxable Transactions

San Joaquin Valley
1997 to 2018

Farm Receipts Taxable Transactions



San Joaquin Valley Water Investment Program

Economic Impacts of Water Shortage Conditions

Annual Financial Losses

a. <u>Farm Receipts:</u>	<u>\$7.2 billion</u>
b. <u>SJV Operating Income Losses:</u>	<u>\$1.9 billion</u>
c. <u>Statewide Operating Income Losses:</u>	<u>\$3.3 billion</u>
d. <u>SJV Employee Income Losses:</u>	<u>\$1.7 billion</u>
e. <u>Statewide Employee Income Losses:</u>	<u>\$2.1 billion</u>

Dr. David Sunding, UC Berkeley (Feb 2020):

Water Shortage Condition: 3.3 MAF

Land Fallowing Required: 992,000 acres

Permanent Job Losses

a. <u>SJ Valley Direct Losses:</u>	<u>42,000</u>
b. <u>SJ Valley Total Losses:</u>	<u>65,000</u>
c. <u>Statewide Total Losses:</u>	<u>85,000</u>

Annual Tax Losses

a. <u>State Tax Losses:</u>	<u>\$293 million</u>
b. <u>Local Tax Losses:</u>	<u>\$242 million</u>



San Joaquin Valley Water Investment Program

Take Action Alternative

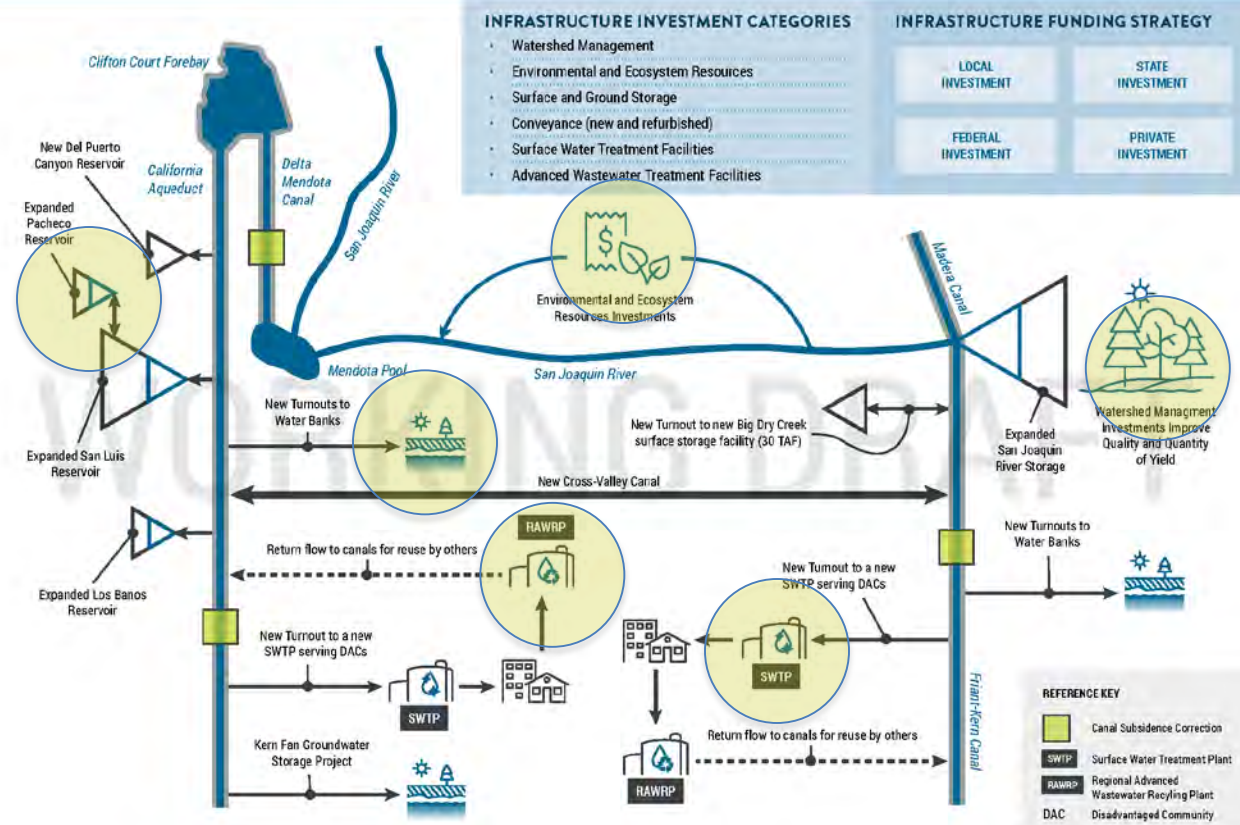
1. \$7 Billion **One-Time** Water Investment Program
2. Funding Plan (40 years)
 - a. State Matching Grant: \$1B
 - b. Federal Matching Grant: \$1B
 - c. Greenhouse Gas Reduction Fund: \$331MM
 - d. Water User Surcharge: \$4 per acre foot (\$1.2B)
 - e. **Special Sales Tax: 0.5 Percent (\$8.2B)**

Water Blueprint for the San Joaquin Valley

Stakeholder Engagement to Optimize

San Joaquin Valley Water Infrastructure Investment Needs

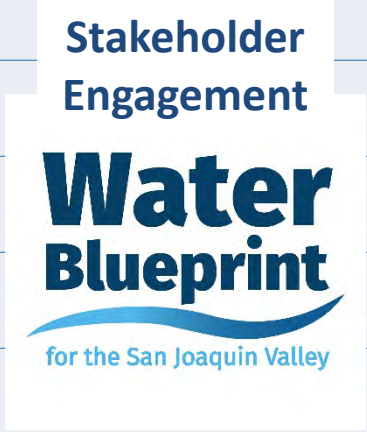
(CONCEPT)



San Joaquin Valley Water Investment Program

Take Action Alternative – Infrastructure Elements

Proposed Infrastructure Elements	Estimated Costs
New Conveyance Canals	\$650,000,000
Existing Conveyance Canal Repair/Rehabilitation	\$800,000,000
New Canal Lifts Stations/Turnouts	\$220,000,000
New Groundwater Storage/Banking Facilities	\$25,000,000
New Groundwater Recovery Facilities	\$180,000,000
New Surface Water Storage Facilities	\$2,000,000,000
New Drinking Water Facilities	\$375,000,000
New Wastewater Recycling Facilities	\$500,000,000
New Watershed Mgmt/Habitat Restoration	\$250,000,000
TOTAL	\$5,000,000,000



San Joaquin Valley Water Investment Program

Take Action Alternative – Program Cost Allocations

Water Program Cost Allocations	Estimated Costs
Program Management and Coordination Services	\$68,000,000
Program Financial, Legal, and Administrative Services	\$44,000,000
Water User Coordination (State, Urban, Ag, DAC, Environment)	\$22,000,000
Facility Planning (supply, demands, facility location/alignment options)	\$6,000,000
Preliminary Engineering Services	\$80,000,000
Land Acquisition	\$245,000,000
Design Services (prepare bid documents, bid projects, award)	\$700,000,000
CEQA (Biological Assessments, Permitting, Mitigation)	\$135,000,000
Construction Services (construction, startup, commission)	\$700,000,000
Construction (Conveyance, Storage, Treatment, Environment, etc.)	\$5,000,000,000
Total Water Investment Program Cost	\$7,000,000,000

San Joaquin Valley Water Investment Program

Take Action Alternative

PROGRAM ACTIVITES	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	TOTAL
1. Program Management and Coordination Services	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$8,000,000	\$8,000,000	\$8,000,000	\$8,000,000	\$68,000,000
2. Program Financial, Legal, and Administrative Services	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$44,000,000
3. Water User Coordination	\$3,000,000	\$3,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$22,000,000
4. Facility Planning		\$3,000,000	\$3,000,000								\$6,000,000
5. Preliminary Engineering Services		\$10,000,000	\$30,000,000	\$30,000,000	\$10,000,000						\$80,000,000
6. Land Acquisition		\$25,000,000	\$75,000,000	\$75,000,000	\$35,000,000	\$35,000,000					\$245,000,000
7. Design Services				\$100,000,000	\$200,000,000	\$200,000,000	\$100,000,000	\$100,000,000			\$700,000,000
8. CEQA			\$10,000,000	\$20,000,000	\$20,000,000	\$10,000,000	\$25,000,000	\$25,000,000	\$25,000,000		\$135,000,000
9. Construction Services						\$100,000,000	\$100,000,000	\$200,000,000	\$200,000,000	\$100,000,000	\$700,000,000
10. Water System Infrastructure Construction							\$1,000,000,000	\$1,500,000,000	\$1,500,000,000	\$1,000,000,000	\$5,000,000,000
PROGRAM CASH FLOW	\$13,000,000	\$51,000,000	\$130,000,000	\$237,000,000	\$277,000,000	\$357,000,000	\$1,240,000,000	\$1,840,000,000	\$1,740,000,000	\$1,115,000,000	\$7,000,000,000

San Joaquin Valley Water Investment Program

Take Action Alternative

Revenue Requirements	Program Year	Water User Surcharge	Green House Gas Reduction Fund	State Match Grant	Federal Match Grant	Debt Financing	Total
\$20,000,000	Year 0	\$20,000,000	<i>Expenditure by eight counties in San Joaquin Valley to conduct outreach and education for special sales tax ballot measure</i>				\$20,000,000
\$13,000,000	Year 1	\$13,000,000					\$13,000,000
\$51,000,000	Year 2	\$40,000,000	\$11,000,000				\$51,000,000
\$130,000,000	Year 3	\$40,000,000	\$40,000,000	\$50,000,000			\$130,000,000
\$237,000,000	Year 4	\$40,000,000	\$40,000,000	\$157,000,000			\$237,000,000
\$277,000,000	Year 5	\$40,000,000	\$40,000,000	\$197,000,000			\$277,000,000
\$357,000,000	Year 6	\$40,000,000	\$40,000,000	\$277,000,000			\$357,000,000
\$1,240,000,000	Year 7	\$40,000,000	\$40,000,000	\$319,000,000	\$841,000,000		\$1,240,000,000
\$1,840,000,000	Year 8	\$40,000,000	\$40,000,000	\$	\$159,000,000	\$1,601,000,000	\$1,840,000,000
\$1,740,000,000	Year 9	\$40,000,000	\$40,000,000	\$	\$	\$1,660,000,000	\$1,740,000,000
\$1,115,000,000	Year 10	\$40,000,000	\$40,000,000	\$	\$	\$1,035,000,000	\$1,115,000,000
\$7,000,000,000	TOTAL	\$393,000,000	\$331,000,000	\$1,000,000,000	\$1,000,000,000	\$4,296,000,000	\$7,000,000,000

San Joaquin Valley Water Investment Program

Take Action Alternative – Debt Financing Plan

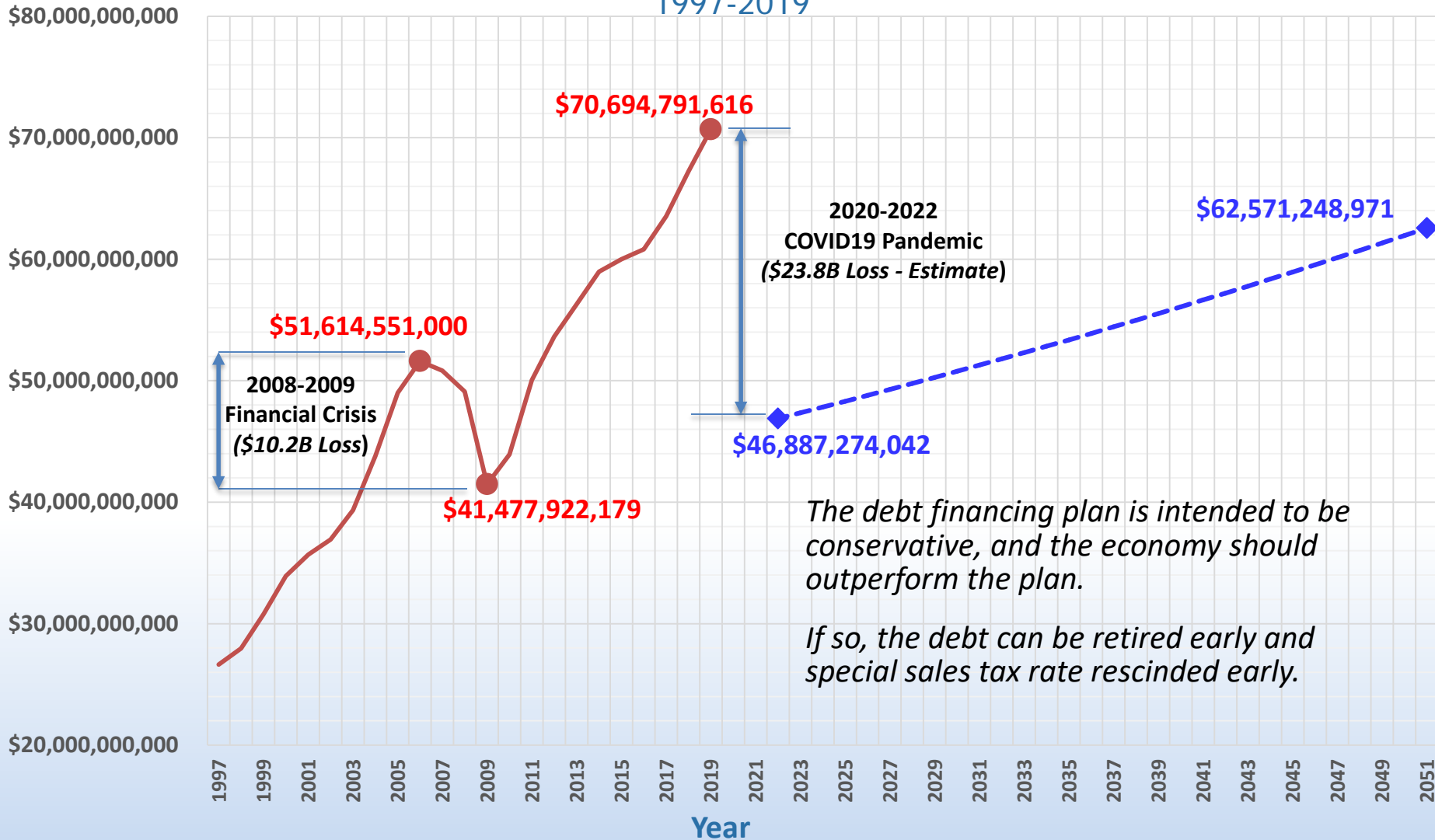
Loan Year	Forecasted Annual Taxable Sales Transactions (SJV)	Forecasted Annual Special Sales Tax Revenue	Annual Water User Fee Revenue	Annual Debt Service Payment	Net Revenue After Debt Service Payment	Net Revenue Allocation to Governance Entity	Net Revenue Allocation to Reserve Funds	Cumulative Reserve Fund Balance
1	\$46,887,274,042	\$234,436,370	\$40,000,000	\$263,738,068	\$10,698,302	\$10,000,000	\$698,302	\$698,302
5	\$48,791,085,386	\$243,955,427	\$40,000,000	\$263,738,068	\$20,217,359	\$11,255,088	\$8,962,270	\$24,079,399
10	\$51,279,921,096	\$256,399,605	\$40,000,000	\$263,738,068	\$32,661,537	\$13,047,732	\$19,613,805	\$100,703,656
15	\$53,895,712,440	\$269,478,562	\$40,000,000	\$263,738,068	\$45,740,494	\$15,125,897	\$30,614,597	\$231,637,597
20	\$56,644,935,432	\$283,224,677	\$40,000,000	\$263,738,068	\$59,486,609	\$17,535,061	\$41,951,548	\$418,590,261
25	\$59,534,396,426	\$297,671,982	\$	\$263,738,068	\$33,933,914	\$20,327,941	\$13,605,973	\$463,188,823
30	\$62,571,248,971	\$312,856,245	\$	\$263,738,068	\$49,118,177	\$23,565,655	\$25,552,521	\$566,947,502
Total		\$8,154,843,709	\$800,000,000	\$7,912,142,050	\$1,042,701,659	\$475,754,157	\$566,947,502	

San Joaquin Valley Water Investment Program

Debt Financing Plan

Annual Taxable Sales Transactions

San Joaquin Valley
1997-2019



San Joaquin Valley Water Investment Program

Estimated Sales Tax Impact on Low-Income Residents

1. Tulare County, Median Household Income ⁽¹⁾ = \$47,518
2. Tulare County, Per Capital Income ⁽¹⁾ = \$20,421
3. Median Gross Rent ⁽¹⁾ = \$10,848
4. Census Bureau Poverty Threshold (family of four) ⁽¹⁾ = \$25,701

Assuming a family of four's entire annual earnings (\$25,701) are subject to the special sales tax, the estimated financial impact of the additional special sales tax is approximately \$11 per month.

⁽¹⁾ Source: US Census Bureau, 2018-2019

San Joaquin Valley Water Investment Program

Implementation Sequence and Plan

Phase 1: Planning, Organization and Governance

Create Shared-Vision for SJV Water Management

Develop Conceptual Level Water Investment Plan

Negotiate Joint Power Authorities Agreements (8 counties)

Create JPA Organization (Staff Plan)

Facilitate Water User Coordination Process

Phase 2: Project Financing

Initiate Ballot Measure Process (*Special Sales Tax, Water User Charge*)

Apply to State for Greenhouse Gas Reduction Funds (\$331MM – 10 Years)

Apply to State and Federal Governments for Grants (\$2B)

Retain Program Manager

Phase 3: Project Delivery

Initiate Facility Planning and Preliminary Engineering

Initiate Land Acquisition

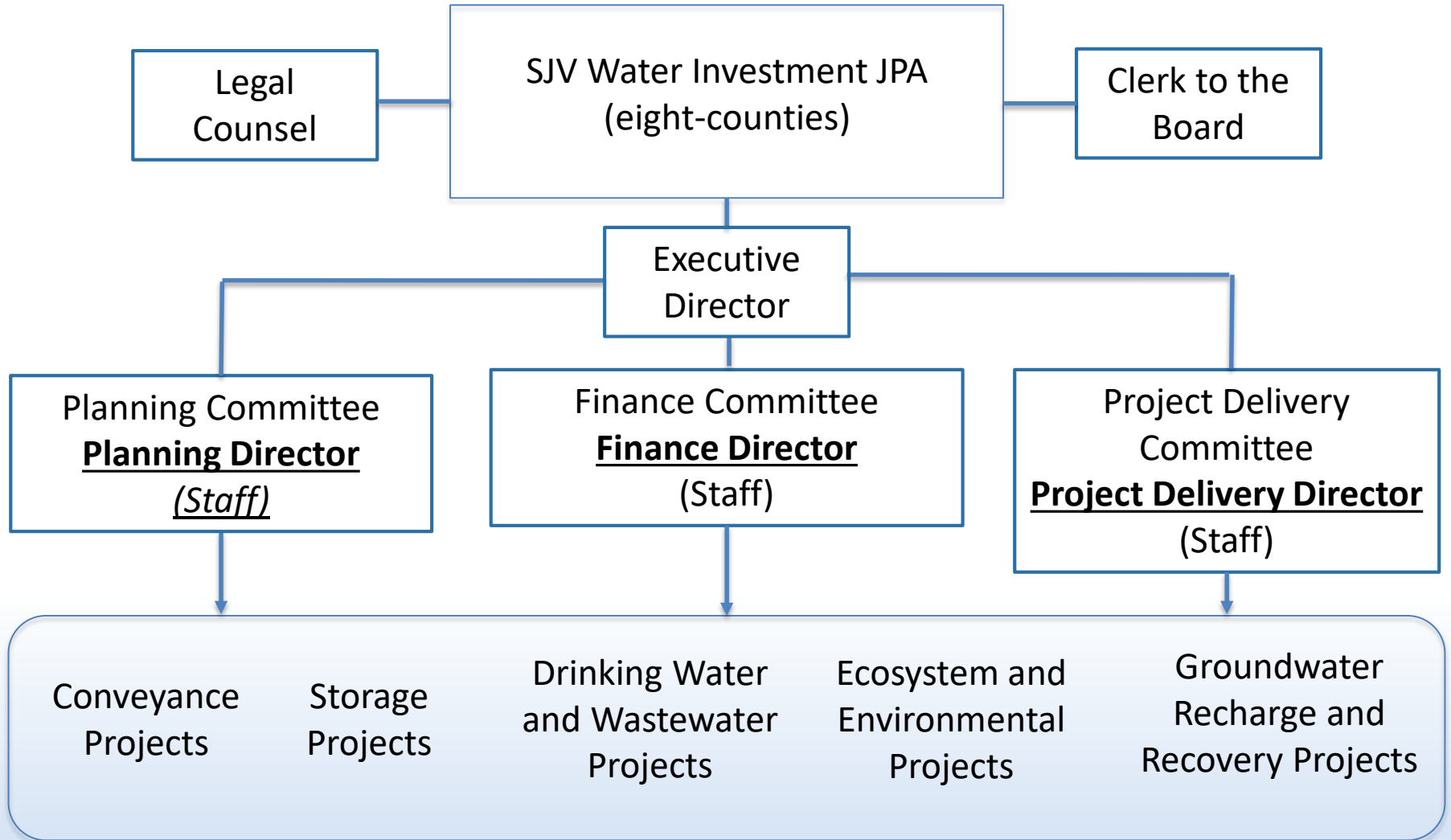
Initiate CEQA Review and Permitting Processes

Initiate Bid, Award and Construction

Project Closeout, Transition to Operations

San Joaquin Valley Water Investment Program

Joint Powers Authority Organizational Structure



San Joaquin Valley Water Investment Program

Tulare County Mid-Valley Canal Project

Special Tax Revenue Potential: San Joaquin Valley

County	Average Taxable Sales Transactions, 1997-2019		Annual Revenue Potential, \$
	\$	% Distribution	0.50%
San Joaquin	\$8,859,760,981	18.49%	\$44,298,805
Stanislaus	\$6,832,634,299	14.26%	\$34,163,171
Merced	\$2,344,082,258	4.89%	\$11,720,411
Madera	\$1,245,113,586	2.60%	\$6,225,568
Fresno	\$11,334,879,143	23.65%	\$56,674,396
Kings	\$1,270,004,674	2.65%	\$6,350,023
Tulare	\$4,857,389,841	10.14%	\$24,286,949
Kern	\$11,178,518,718	23.33%	\$55,892,594
TOTAL	\$47,922,383,502	100.00%	\$239,611,918

Tulare County Taxable Transactions

Actual 1997 = ~\$2.7 Billion (\$13.6MM/Year)
 Actual 2019 = ~\$7.9 Billion (\$39.5MM/Year)
 Forecast 2051 = ~\$6.3 Billion (\$31.5MM/Year)

Dr. Sunding:
 Estimated Annual Local
 Tax Losses from Water
 Shortage
 Conditions: \$242 million



Mid-Valley Canal Project Financing Plan

Canal Construction (70 miles, \$5MM/mile)	\$350,000,000
MVC Land Acquisition (3,400 acres, \$25K/acre)	\$85,000,000
Subtotal	\$435,000,000
Engineering Services (25%)	\$108,750,000
Contingency (30%)	\$130,500,000
Legal and Administrative (10%)	\$43,500,000
Total Capital Cost	\$717,750,000
Fed/State Cost-Share (50%)	\$358,875,000
Local Match (50% - debt finance)	\$358,875,000
Interest	4.5%
Term	30
Annual Debt Service Payment	\$22,031,890

San Joaquin Valley Water Investment Program

Tulare County Friant-Kern Canal Project

Special Tax Revenue Potential: San Joaquin Valley

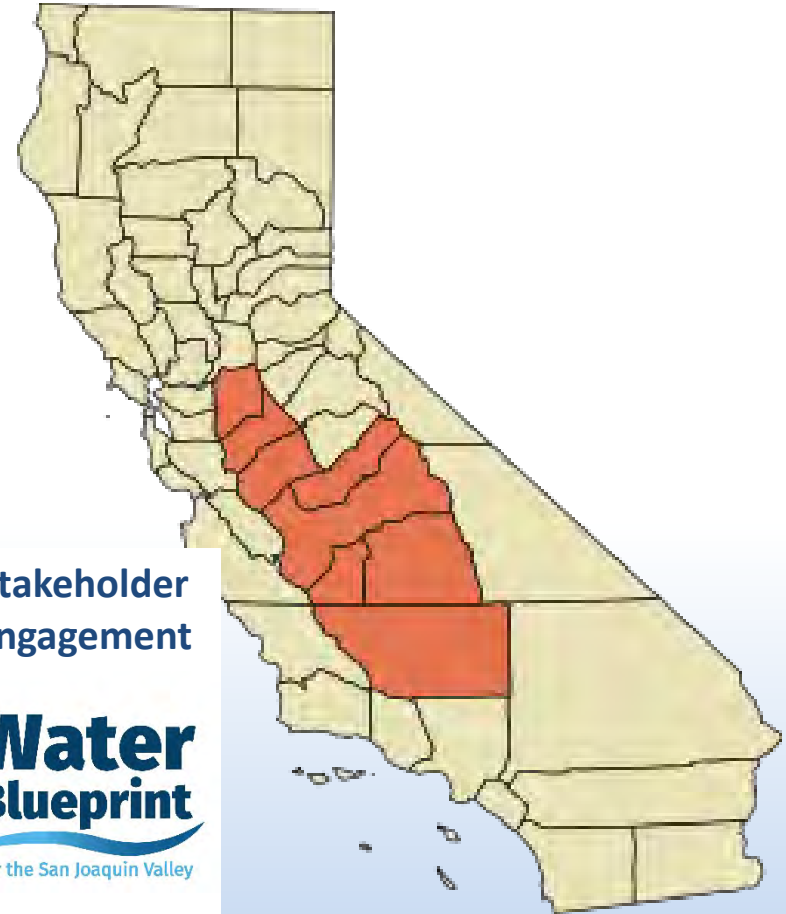
County	Average Taxable Sales Transactions, 1997-2019		Annual Revenue Potential, \$
	\$	% Distribution	0.50%
San Joaquin	\$8,859,760,981	18.49%	\$44,298,805
Stanislaus	\$6,832,634,299	14.26%	\$34,163,171
Merced	\$2,344,082,258	4.89%	\$11,720,411
Madera	\$1,245,113,586	2.60%	\$6,225,568
Fresno	\$11,334,879,143	23.65%	\$56,674,396
Kings	\$1,270,004,674	2.65%	\$6,350,023
Tulare	\$4,857,389,841	10.14%	\$24,286,949
Kern	\$11,178,518,718	23.33%	\$55,892,594
TOTAL	\$47,922,383,502	100.00%	\$239,611,918

Friant-Kern Canal Repair Project Financing Plan

Total Capital Cost	\$450,000,000
Fed/State Cost-Share (50%)	\$225,000,000
Local Match (50% - debt finance)	\$225,000,000
Interest	4.50%
Term	30
Annual Debt Service Payment	\$ 13,813,097

Tulare County Taxable Transactions

Actual 1997 = ~\$2.7 Billion (\$13.6MM/Year)
 Actual 2019 = ~\$7.9 Billion (\$39.5MM/Year)
 Forecast 2051 = ~\$6.3 Billion (\$31.5MM/Year)



Stakeholder
Engagement

**Water
Blueprint**
for the San Joaquin Valley

TULARE COUNTY WATER COMMISSION

July 13, 2020

San Joaquin Valley Water Investment Program

QUESTIONS

Thomas C. Esqueda, Fresno State

cesqueda@mail.fresnostate.edu
