



**CITY OF OAKDALE
JOINT CITY COUNCIL AND SUCCESSOR AGENCY
FOR THE FORMER
OAKDALE COMMUNITY REDEVELOPMENT AGENCY
REGULAR MEETING AGENDA**
(The City Council also serves as the Successor Agency to the
Dissolved Redevelopment Agency)

**City Council Chambers
277 North Second Avenue • Oakdale • CA 95361**

Monday, December 20, 2021

7:00 PM

City Council Chambers

NOTICE

This meeting will be open to the public. If you would like to provide public comment on an agenda item at the regular meeting, you may fill out a Speaker's Card and submit it to the Deputy City Clerk at least five (5) minutes before the meeting is to begin. If commenting on a specific agenda item, please include the agenda item number in the subject line (example: Agenda Item 11.1). You will be notified when it is your time to speak. You may also submit your written comment (limited to 250 words or less) via email to publiccomment@oakdalegov.com until 4:00 p.m. the day of the meeting at which you wish to provide comment at. A copy of each timely submitted email will be provided to the City Council prior to the start of the meeting and will be made a part of the public record of the meeting but will not be read aloud during the meeting unless specifically requested to do so at the beginning of your email. The meeting will be televised on Comcast Channel 7 and available for public viewing on Livestream at <https://livestream.com/cityofOakdale>.

***Welcome to your City of Oakdale Joint City Council and Successor Agency for the
Former Oakdale Community Redevelopment Agency regular meeting.***

***Your City Council/Agency Members are:
Mayor/Chairperson Cheryl Bairos
Mayor Pro Tem/Agency Member Christopher Smith
Council/Agency Member Fred Smith
Council/Agency Member Curtis Haney
Council/Agency Member Vacant***

Note: California law prohibits the City Council/Successor Agency from taking action on any matter that is not on the posted agenda unless it is determined to be an emergency by the City Council/ Successor Agency. All items will be referred to staff for follow-up and placed on a future agenda.

- 1. Call to Order – 7:00 p.m.**
- 2. City Council Members Present/Absent**
- 3. Pledge of Allegiance**
- 4. Invocation Provided by Pastor Jeff Holder from Community United Methodist Church of Oakdale.**
- 5. Presentations/Acknowledgements**
 - 5.1: [Certificate of Recognition to the Oakdale Inferno Cheer Teams, Black Ice and Firestorm Elite, in honor of winning First Place and the Grand Championship at the JAMZ Slam City Competition in San Mateo, California on December 4, 2021.](#)



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Next City Council Resolution: 2021-125
Next Successor Agency Resolution 2021-001

Next Ordinance: 1279

- 5.2: [Certificate of Appreciation to Pete Simoncini in recognition of his retirement as “The Voice of the Mustangs.”](#)
- 5.3: [Presentation by Donna Linder, Stanislaus County Clerk Recorder/Registrar of Voters regarding the January 31, 2022 Voter Registration Workshop.](#)

6. Additions/Deletions

7. Public Comments

Pursuant to Government Code section 54954.3, the City Council may adopt reasonable regulations to ensure that the business on the agenda can be conducted, therefore all members of the public will be given 3 minutes for their public comments. Individuals may not defer their time to another person. A maximum of 30 minutes will be allotted for general public comment. For agenda items, a maximum of 30 minutes will be allotted for public comment on each specific agenda item. California law prohibits the City Council from taking action on any item not appearing on the posted agenda except that Council may refer the matter to staff for follow-up or request it be placed on a future agenda.

8. Appointment to Boards and Commissions

9. City Council Consent Agenda

The consent agenda is comprised of Items 9.1 through 9.8. Unless there is discussion by a member of the audience/Council they may be approved in one motion.

- 9.1: [Approve the Regular City Council Meeting Minutes of December 6, 2021.](#)
- 9.2: [Receive and File the Warrant List for the period of December 1, 2021 to December 14, 2021.](#)
- 9.3: [By Motion, Waive all Readings of Ordinances and Resolutions, except by Title.](#)
- 9.4: [By Motion, approve a tree removal request for one \(1\) interior live oak tree located at 277 Maxwell Avenue.](#)
- 9.5: [By Motion, approve the October 2021 Treasurer's Report.](#)
- 9.6: [Adopt Resolution 2021-___, a Resolution of the City of Oakdale City Council approving a Consultant Services Agreement with Cramer Fish Sciences in the amount of \\$334,000 to complete Phase II of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area and authorize the City Manager to execute the Agreement.](#)
- 9.7: [Approve by Minute Order, the list of City Commissions/Boards/Committees and authorize staff to provide the list to the Stanislaus County Oakdale Branch Library in compliance with State of California Government Code 54973.](#)
- 9.8: [Reject by Minute Order, claim for damages submitted by Andrea Cahoon.](#)



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10. Public Hearings

- 10.1: Consider a Resolution adopting the City of Oakdale 2020 Urban Water Management Plan and Water Shortage Contingency Plan.

Recommended Action: Adopt Resolution 2021-____, a Resolution of the City of Oakdale City Council adopting the City of Oakdale 2020 Urban Water Management Plan and Water Shortage Contingency Plan.

11. Staff Reports of the City Council:

- 11.1: Consider a Resolution approving the purchase of a 2017 CAT GP25N Fork Lift from Holt of California in the amount of \$28,340.07 funded by Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644 as well as authorize the surplus of a 1998 Nissan S-D25 Fork Lift.

Recommended Action: Adopt Resolution 2021-____, a Resolution of the City of Oakdale City Council approving the purchase of a 2017 CAT GP25N Fork Lift from Holt of California in the amount of \$28,340.07 funded by Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644 as well as authorize the surplus of a 1998 Nissan S-D25 Fork Lift.

- 11.2: Discuss, review, and approve the Fire Services Agreement Extension between the City of Modesto, City of Oakdale, and Oakdale Fire Protection District for Fiscal Years 2022/2023 through 2026/2027.

Recommended Action: Adopt Resolution 2021-____, a Resolution of the City of Oakdale City Council approving the Fire Services Agreement Extension between the City of Modesto, City of Oakdale, and Oakdale Fire Protection District for Fiscal Years 2022/2023 through 2026/2027.

- 11.3: Consider a Resolution approving the layout of the Third Avenue Rehabilitation Project between E Street and F Street.

Recommended Action: Adopt Resolution 2021-____, a Resolution of the City of Oakdale City Council approving the layout of the Third Avenue Rehabilitation Project between E Street and F Street.

12. Staff Reports of the Successor Agency for the Former Oakdale Community Redevelopment Agency:

- 12.1: Consider a Resolution of the City of Oakdale Successor Agency for the Former Oakdale Community Redevelopment Agency Approving the Recognized Obligations Payment Schedule (ROPS) for July 1, 2022 - June 30, 2023.

Recommended Action: Adopt Resolution 2021-____, a Resolution of the City of Oakdale Successor Agency for the Former Oakdale Community Redevelopment Agency Approving the Recognized Obligations Payment Schedule (ROPS) for July 1, 2022 - June 30, 2023.



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Next Ordinance: 1279

13. City Manager's Report

13.1: [December 2021 Department Reports.](#)

14. City Council Items

15. Adjournment

The next regular meeting of the Oakdale City Council will be held Tuesday, January 18, 2022 at 7:00 p.m. in the City Council Chamber.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact City Hall, 209-845-3571. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. (28CFR 35.102-35.104 ADA Title II).

Any documents produced by the City and distributed to a majority of the City Council regarding any item on this agenda will be made available in the City Clerk's office at City Hall located at 280 North Third Avenue, Oakdale, California.

DECLARATION OF POSTING

I, Julie Christel, Council Services and Legislative Records Manager/Deputy City Clerk for the City of Oakdale, certify that I caused to be posted a copy of the City of Oakdale City Council Agenda for the Regular Meeting of Monday, December 20, 2021, at the City Council Chambers, 277 North Second Avenue, Oakdale, CA, 95361 on Friday, December 17, 2021.

Dated: December 17, 2021.

/s/ Julie Christel

Julie Christel

Council Services and Legislative Records Manager
Deputy City Clerk

AGENDA ITEM 5.1:

Certificate of Recognition to the Oakdale Inferno Cheer Teams, Black Ice and Firestorm Elite, in honor of winning First Place and the Grand Championship at the JAMZ Slam City Competition in San Mateo, California on December 4, 2021.

AGENDA ITEM 5.2:

Certificate of Appreciation to Pete Simoncini in recognition of his retirement as "The Voice of the Mustangs."

AGENDA ITEM 5.3:

Presentation by Donna Linder, Stanislaus County Clerk Recorder/Registrar of Voters regarding the January 31, 2022 Voter Registration Workshop.



CITY OF OAKDALE CITY COUNCIL REGULAR MEETING MINUTES



City Council Chambers
277 North Second Avenue
Oakdale, CA 95361

The City of Oakdale recognizes and supports the Choose Civility program, an initiative of the Stanislaus County Office of Education.

Monday, December 6, 2021 **7:00 PM** **City Council Chambers**

1. CALL TO ORDER:

Mayor Bairos called the meeting to order at 7:00 p.m.

2. COUNCIL MEMBERS PRESENT/ABSENT:

Present: Mayor Cherilyn Bairos
Mayor Pro Tem Christopher Smith
Council Member Ericka Chiara
Council Member Fred Smith
Council Member Curtis Haney

Staff Present: City Manager Whitemyer
City Attorney Hallinan
Police Chief Ramar
Finance Director Avila
Public Services Director Gravel
Council Services Manager Christel
Sr. Engineer Technician Renfrow
Division Chief Tietjen

Absent: None

3. Pledge of Allegiance & Invocation

Mayor Bairos led the pledge of allegiance and Pastor Steve Neubaum of LifePoint Church provided the invocation.

4. Report out of Closed Session

Mayor Bairos reported out of closed session stating that City Council provided direction to staff.

5. Presentations/Acknowledgements

5.1: Certificate of Recognition to Joel Banuelos (Don Toño) for his outstanding accomplishment of winning numerous 2021 championship titles throughout the state in steer and saddle bronc riding.

Mayor Bairos introduced and presented Joel Banuelos a certificate of recognition for his accomplishments in mini bull riding, goat tying and chute doggin.

5.2: Certificate of Recognition to the members of the Oakdale FFA Livestock Judging Team, Morgan Gravatt, Nicole Carter, Jaiden Grivette, Devon Pastor-Guzman, and Dominic Robles for their accomplishment of becoming the National FFA Champion Livestock Judging Team at the 94th Annual National FFA Convention.



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Mayor Bairos introduced and presented certificates of recognition to the members of the Oakdale FFA Livestock Judging Team, Morgan Gravatt, Nicole Carter, Jaiden Grivette, Devon Pastor-Guzman, and Dominic Robles for their accomplishment of becoming the National FFA Champion Livestock Judging Team at the 94th Annual National FFA Convention.

- 5.3: Certificate of Recognition to Layton Oswald for the incredible accomplishment of becoming the National FFA Proficiency Winner in Equine Science Placement at the 94th Annual National FFA Convention.

Mayor Bairos introduced and presented Layton Oswald a certificate of recognition for his accomplishment of becoming the National FFA Proficiency Winner in Equine Science Placement at the 94th Annual National FFA Convention.

- 5.4: Recognition of City Council Member Ericka Chiara.

Mayor Bairos presented a plaque and certificate of appreciation to Council Member Ericka Chiara. She spoke about Council Member Chiara and thanked her for her years of service serving on the City Council. Council Member Chiara thanked the Mayor, Members of the City Council and City staff for their assistance over the years.

6. Additions/Deletions

Mayor Bairos asked City Manager Whitemyer if there were any changes or deletions to the agenda. City Manager Whitemyer advised there were no additions or deletions.

7. Public Comments

Mayor Bairos opened Public Comment at 7:15 p.m.

With no comments, Mayor Bairos closed the Public Comment period at 7:15 p.m.

8. Appointment to Boards, Commissions, Committees

None.

9. City Council Consent Agenda

The consent agenda is comprised of Items 9.1 through 9.5. Unless there is discussion by a member of the audience/Council they may be approved in one motion.

9.1: Approve the Regular City Council Meeting Minutes of November 15, 2021.

9.2: Receive and file the Warrant List for the period November 9, 2021 through November 30, 2021.

9.3: Waive all readings of Ordinances and Resolutions, except by Title.

9.4: Approve a City Co-sponsored Special Event Application from the Oakdale Lions Club for the Annual Don Osborne Memorial Run scheduled for Saturday, February 5, 2022.

9.5: Reject by Minute Order, an amended claim for damages submitted by Curtis Legal Group on behalf of Belinda Webb.



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MOTION

To approve the City of Oakdale City Council Consent Agenda Items 9.1 through 9.5 for December 6, 2021.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Chiara and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, Chiara, F. Smith, Haney, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

10. Public Hearings

10.1: Consider Resolutions accepting and closing the Proposition 218 Public Notification and Protest process and approving the proposed rate increase for solid waste disposal services and authorizing the City Manager to execute an Agreement for the collection of solid waste in the City of Oakdale.

Mayor Bairos opened the Public Hearing at 7:17 p.m.

City Manager Whitemyer provided a staff report and PowerPoint Presentation on the solid waste disposal rate increases and proposed agreement with Gilton Solid Waste Management. He provided a brief history on State Mandate SB 1383, reviewed the new rates, and discussed the agreement for the collection of solid waste in the city of Oakdale with Gilton Solid Waste.

Mayor Bairos then opened the Public Hearing for Public Comment.

Public Comment was received from:

Bianca Signorelli spoke in opposition of the rate increase and submitted her written ballot.

Vicky Matsen spoke in opposition of the rate increase.

Era Peterson submitted her written ballot.

James Tracy spoke in opposition of the rate increase.

Robert Amaral spoke in opposition of the rate increase.

Alice Garcia spoke about issues with trash cans and garbage in alleys.



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Bianca Signorelli asked a question regarding can size.

Era Peterson also spoke in opposition of the rate increase.

Mayor Bairos asked staff to provide the final protest count of effect property owners. Deputy City Clerk Christel responded that 8,627 ballots were mailed to property owners. In order for there to be a majority vote, 4,314 ballots were necessary. The City Clerk's Office received 531 ballots.

Tracy Norris from Gilton Solid Waste addressed some of the concerns expressed by the public.

Mayor Bairos asked the City Council to discuss this item and each Council Member provided their thoughts.

Robert Pritchard from Gilton Solid Waste addressed questions presented by the City Council.

Mayor Bairos closed the Public Hearing at 7:42 p.m.

MOTION

Adopt Resolution 2021-118, a Resolution of the City of Oakdale City Council accepting and closing the Proposition 218 Public Notification and Protest process and approving the proposed rate increase for solid waste disposal services and Resolution 2021-119, a Resolution of the City of Oakdale City Council authorizing the City Manager to execute an Agreement for the collection of solid waste in the City of Oakdale.

Moved by Council Member Smith, and seconded by Council Member Chiara and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	F. Smith, Chiara, Haney, Bairos	(4)
NOES: COUNCIL MEMBERS:	C. Smith	(1)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 4/1 by City Council roll call vote.

11. Staff Reports

11.1: Consider a Resolution authorizing the City Manager to execute an Agreement for Purchase and Sale of Real Estate and Joint Escrow Instructions for the City of Oakdale to purchase 26 acres of Real Property, 868 square foot single story dwelling and 748 square foot garage located at 9867 Jackson Road, Oakdale, CA 95361 [Assessor's Parcel Numbers 006-012-086 (11.02 acres) and 006-012-085 (14.98 acres)] in the amount of \$1,050,000 and approve additional expenditures for closing costs, inspections, clean up and fence installation in the amount not to exceed \$100,000 from Fund 621 – Sewer Capital Replacement Fund.



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City Manager Whitemyer provided a staff report and PowerPoint Presentation regarding an agreement for the purchase of 26 acres of real property located at 9867 Jackson Road in Oakdale. He provided information on the land, discussed the land acquisition costs, and potential future expansion plans for the land in relation to the Waste Water Treatment Plant.

Staff responded to questions from the City Council.

Mayor Bairos opened Public Comment for this item.

Alice Garcia asked questions about the Sewer Capital Replacement Fund.

Robert Amaral spoke about whether it was a good idea to purchase the property at this time.

Bianca Signorelli asked a question regarding the property line.

With no further public comment, Mayor Bairos closed Public Comment and asked for a motion to be made on this item.

MOTION

Recommended Action: Adopt Resolution 2021-120, a Resolution of the City of Oakdale City Council authorizing the City Manager to execute an Agreement for Purchase and Sale of Real Estate and Joint Escrow Instructions for the City of Oakdale to purchase 26 acres of Real Property, 868 square foot single story dwelling and 748 square foot garage located at 9867 Jackson Road, Oakdale, CA 95361 [Assessor's Parcel Numbers 006-012-086 (11.02 acres) and 006-012-085 (14.98 acres)] in the amount of \$1,050,000 and approve additional expenditures for closing costs, inspections, clean up and fence installation in the amount not to exceed \$100,000 from Fund 621 – Sewer Capital Replacement Fund.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Smith and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, F. Smith, Chiara, Haney, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

11.2: Consider a Resolution accepting the Del Rio Circle Rehabilitation Project in the amount of \$847,287.74 and authorizing the filing of a Notice of Completion.

Sr. Engineer Technician Renfrow provided a staff report and PowerPoint Presentation on the Del Rio Circle Rehabilitation Project. He provided an overview of the project and



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discussed the work that was done. He concluded his report requesting the City Council adopt a Resolution accepting the project and authorize the filing of a Notice of Completion.

Staff responded to questions from the City Council.

Mayor Bairos opened Public Comment for this item.

With no comments, Mayor Bairos closed Public Comment and asked for a motion to be made on this item.

MOTION

Adopt Resolution 2021-121, a Resolution of the City of Oakdale City Council accepting the Del Rio Circle Rehabilitation Project in the amount of \$847,287.74 and authorizing the filing of a Notice of Completion.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Chiara and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, Chiara, F. Smith, Haney, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

- 11.3: Consider a Resolution authorizing staff to enter into a purchase agreement with Dailey-Wells Communications, Inc. in the amount of \$57,906.44 from Supplemental Law Enforcement Fund 203 for the installation of two (2) Tait TB9400 Repeaters to the current radio system.

Chief Ramar provided a staff report and PowerPoint Presentation on the purchase of two Tait Repeaters. He provided a background on the Police Department's current radio system and discussed the features, benefits and cost of the new repeaters.

Staff responded to questions from the City Council.

Mr. Priola from Dailey-Wells Communication provided additional technical information regarding the new Tait Repeaters.

Mayor Bairos opened Public Comment for this item. With no comments, Mayor Bairos closed Public Comment and asked for a motion to be made on this item.

MOTION

Adopt Resolution 2021-122, a Resolution of the City of Oakdale City Council authorizing staff to enter into a purchase agreement with Dailey-Wells Communications, Inc. in the



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amount of \$57,906.44 from Supplemental Law Enforcement Fund 203 for the installation of two (2) Tait TB9400 Repeaters to the current radio system.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Smith and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, F. Smith, Chiara, Haney, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

- 11.4: Consider a request authorizing the purchase of electronic door access equipment to be installed at ten (10) doors in the remodeled Police Department building.

Finance Director Avila provided a staff report and PowerPoint Presentation on a request for authorization to purchase electronic door access equipment for the Police Department Building. He provided an overview of the project and discussed the purpose of the equipment, spoke about bid process and reviewed the overall cost of the items. He concluded his presentation requesting the City Council authorize the purchase of the electronic door access equipment to be installed at ten (10) doors for the remodeled Police Department Building.

Staff responded to questions from the City Council.

Mayor Bairos opened Public Comment for this item.

Deanna, last name withheld, commented on the purchase of the equipment.

Mayor Bairos closed Public Comment and asked for a motion to be made on this item.

MOTION

By Minute Order, authorize the purchase of electronic door access equipment to be installed at ten (10) doors in the remodeled Police Department building.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Haney and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, Haney, F. Smith Chiara, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

12. City Manager's Report



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13. City Council Items

13.1: Consider Mayor’s Nomination and Appointment of Mayor Pro Tem.

Mayor Bairos nominated and reappointed Council Member Christopher Smith as Mayor Pro Tem.

MOTION

By Motion for Approval, reappoint Council Member Christopher Smith to serve as Mayor Pro Team and the City Council for a one-year term.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Haney and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, F. Smith Haney, Chiara, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

13.2: Consider City Council appointments to City Boards, Commissions and Committees and Regional Boards, Commissions and Committees for Calendar Year 2022.

The City Boards, Commissions and Committees and Regional Boards, Commissions and Committees List from 2021 was reviewed and updated. The revised list for 2022 is hereto attached the minutes as “Attachment A.”

13.3: Consider Resolutions (1) calling for a Special Municipal Election to fill the City Council vacancy pursuant to Government Code 36512; and (2) Requesting the Board of Supervisors of Stanislaus County to consolidate a Special Municipal Election with the State-Wide Primary Election to be held on the June 7, 2022 Consolidated District Election date and requesting the Stanislaus County Board of Supervisors permit the County Elections Official to render election services to the city.

City Manager Whitemyer provided a staff report on a request to the City Council to call for a Special Municipal Election to fill the vacancy created by the resignation of Council Member Chiara. He explained the process for calling the election and reviewed estimates provided by the Registrar of Voter’s Office provided to hold a stand-alone special municipal election and to consolidate the special municipal election with the June 7, 2022 Statewide Primary Election to be held on the same date.

Staff responded to questions from the City Council.

After discussion, Mayor Bairos asked for a motion to be made on this item.



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MOTION

Adopt Resolution 2021-123, a Resolution of the City of Oakdale City Council calling for a Special Municipal Election to fill the City Council vacancy pursuant to Government Code 36512; furthermore, adopt Resolution 2021-124, a Resolution of the City of Oakdale City Council requesting the Board of Supervisors of Stanislaus County to consolidate a Special Municipal Election with the State-Wide Primary Election to be held on the June 7, 2022 Consolidated District Election date and requesting the Stanislaus County Board of Supervisors permit the County Elections Official to render election services to the city.

Moved by Mayor Pro Tem Smith, and seconded by Council Member Smith and PASSED AND ADOPTED this 6th day of December 2021, by the following vote:

AYES: COUNCIL MEMBERS:	C. Smith, F. Smith Haney, Chiara, Bairos	(5)
NOES: COUNCIL MEMBERS:	None	(0)
ABSENT: COUNCIL MEMBERS:	None	(0)
ABSTAINED: COUNCIL MEMBERS:	None	(0)

Motion carried 5/0 by City Council roll call vote.

Mayor Bairos thanked everyone who came out and supported the Christmas Parade and the Downtown Christmas events this past weekend.

Mayor Pro Tem Smith thanked the Lions Club for hosting the Thanksgiving Meals this year, announced the leaf pick up schedule and read the adoption stats for this past year provided by ASTRO stating that seven hundred and forty (740) cats and dogs were put up for adoption this year. He thanked ASTRO for doing such great work!

14. Adjournment

The next Regular meeting of the Oakdale City Council will be held Monday, December 20, 2021 at 7:00 p.m. in the Council Chambers. There being no further business, Mayor Bairos adjourned the meeting at 9:10 p.m.

ATTEST:

APPROVED:

Julie Christel, Deputy City Clerk

Cherilyn Bairos, Mayor

**2022 COUNCIL APPOINTMENTS TO
CITY BOARDS, COMMISSIONS & COMMITTEES
AND REGIONAL BOARDS, COMMISSIONS & COMMITTEES**

CITY BOARDS/ COMMISSIONS/COMMITTEES	APPOINTMENT	POSITION	MEETING SCHEDULE
Economic Development Ad Hoc Committee	Mayor Bairos Council Member Haney	Committee Member Committee Member	As needed.
Cannabis Development Agreement Review Committee	Mayor Bairos Council Member Smith	Committee Member Committee Member	As needed.
Local Sales Tax Measure Oversight Committee (Currently Measure H)	Council Member Smith	Committee Liaison	As needed.
Fire Advisory Ad-Hoc	Mayor Bairos Council Member Smith	Committee Member Committee Member	As needed.
Police and Fire Retirement Board	Mayor Bairos	(Mayor Per City Code)	Quarterly March, June, September and December
Senior Citizens Advisory Commission	Mayor Bairos	Commission Liaison	Jan., March, May, July, Sept. Nov. Third Tuesday of the Month at 2:00
Senior Housing Corporation Board	Council Member Smith Mayor Pro Tem Smith	Board Member Board Member	First Thursday of the month at 9:00 a.m. as needed.
Tourism Business Improvement District Advisory Board	Council Member Haney	Board Member	Twice yearly as needed.
ARPA Funds – Non-Profit Organization Grants	Mayor Pro Tem Smith Council Member Smith	Committee Member Committee Member	As needed.

**2022 COUNCIL APPOINTMENTS TO
CITY BOARDS, COMMISSIONS & COMMITTEES
AND REGIONAL BOARDS, COMMISSIONS & COMMITTEES**

REGIONAL BOARDS/ COMMISSIONS/COMMITTEES	APPOINTMENT	POSITION	MEETING SCHEDULE
City/Oakdale Irrigation District 2+2 Committee	Mayor Bairos Mayor Pro Tem Smith	Committee Member Committee Member	As needed.
City/Schools 2+2 Committee	Mayor Bairos Council Member Smith	Committee Member Committee Member	As needed.
Central Valley Division Executive Committee (League of California Cities)	Mayor Bairos Mayor Pro Tem Smith	Oakdale Representative Alternate	2022 Schedule TBD
Environmental Quality Policy Committee (League of California Cities)	Mayor Bairos	Oakdale Representative	2022 Schedule TBD
Economic Development Action Committee (EDAC)*	Council Member Haney Council Member F. Smith	Oakdale Representative Alternate	A min. of two meetings held annually - Special meetings as needed
Special City Selection Committee Valley-wide Special City Selection Committee	Mayor Bairos	Oakdale Representative	As needed – infrequent meetings. Committee established pursuant to H&SC 40600.5.
Stanislaus County Mayors Meetings	Mayor Bairos	Oakdale Representative	Quarterly
City/Oakdale Fire District 2+2 Committee	Mayor Bairos Council Member Smith	Committee Member Committee Member	As needed.
Stanislaus Council of Governments (StanCOG) Policy Board*	Council Member Smith Mayor Bairos	Oakdale Representative Alternate	Monthly – Third Wednesday of each month.
Stanislaus County Disaster Council	Council Member Haney	Oakdale Representative	A minimum of twice a year or as often as necessary.
San Joaquin Valley Air Pollution Control District's Citizen Advisory Committee (CAC)	Mayor Pro Tem Smith	Oakdale Representative	As needed.

*Requires Statement of Economic Interest Filing.



City of Oakdale, CA

Agenda Item 9.2:

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 5555555 - *						
11/15/2021	JANEEN YATES	YATES, JANEEN	149380	110-2110-427022	REIMBURSEMENT	29.59
11/15/2021	JANEEN YATES	YATES, JANEEN	149380	110-2110-427022	REIMBURSEMENT	51.44
Vendor 5555555 - * Total:						81.03
Vendor: 9999999 - *						
02/02/2021	2021000056	TORO ELECTRIC	149383	120-210-0100	REFUND	1
02/02/2021	2021000056	TORO ELECTRIC	149383	120-3110-330300	REFUND	54.8
11/06/2021	MARIA MENDEZ	MENDEZ, MARIA	149381	117-204-0500	REFUND	600
11/06/2021	MARIA MENDEZ	MENDEZ, MARIA	149381	117-222-0700	REFUND	496
11/17/2021	HARIVADAN JAMNADAS	HARIVADAN JAMNADAS	149382	117-204-0600	DEPOSIT REFUND	600
11/17/2021	HARIVADAN JAMNADAS	HARIVADAN JAMNADAS	149382	117-222-0700	DEPOSIT REFUND	108
11/30/2021	OAKDALE SWIM TEAM	OAKDALE SWIM TEAM	149385	117-204-0500	REFUND	400
12/09/2021	12/9/21	TIKI HAWAII BBQ	149459	110-1910-434000	REMAINING BALANCE	541.6
12/09/2021	6505	OH SNAP CELEBRATIONS	149384	110-1120-427001	MISC. SUPPLIES	200
12/10/2021	CHICAGO TITLE COMPANY	CHICAGO TITLE COMPANY	149460	621-4159-442001	ESCROW 9867 JACKSON RD.	10000
Vendor 9999999 - * Total:						13001.4
Vendor: 01021 - ALLEY TREE AND LANDSCAPE						
11/05/2021	3393	ALLEY TREE AND LANDSCAPE	149386	110-7413-425015	LANDSCAPING	3000
Vendor 01021 - ALLEY TREE AND LANDSCAPE Total:						3000
Vendor: 1469 - ALPHA ANALYTICAL LABORATORIES INC.						
11/01/2021	1111783-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	223
11/08/2021	1112521-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	41
11/10/2021	1112907-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	223
11/10/2021	1113006-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	41
11/15/2021	1113532-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	41
11/18/2021	1114234-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	223
11/22/2021	1114797-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	41
11/23/2021	1114901-SFL_OAKD	ALPHA ANALYTICAL LABORAT	149387	622-4151-425003	PROFESSIONAL FEE	291
Vendor 1469 - ALPHA ANALYTICAL LABORATORIES INC. Total:						1124
Vendor: 01036 - AMERICAN VALLEY WASTE OIL INC.						
08/18/2021	192289.	AMERICAN VALLEY WASTE OIL	149388	622-4151-427006	PROFESSIONAL FEE	123
Vendor 01036 - AMERICAN VALLEY WASTE OIL INC. Total:						123
Vendor: 942 - AT&T						
11/20/2021	NOVEMBER 2021	AT&T	149389	110-2110-420003	9391053230	89.06
11/20/2021	NOVEMBER 2021	AT&T	149389	110-2110-420003	9391053225	255.14
11/20/2021	NOVEMBER 2021	AT&T	149389	110-2110-420003	9391053231	89.06
Vendor 942 - AT&T Total:						433.26
Vendor: 01384 - AUTOZONE						
11/17/2021	5700307490	AUTOZONE	149390	645-4160-424003	VEHICLE MAINTENANCE	155.07
Vendor 01384 - AUTOZONE Total:						155.07



City of Oakdale, CA

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 156 - AVENU MUNISERVICES						
11/12/2021	INV06-013070	AVENU MUNISERVICES	149391	110-1910-320100	AUDIT	10071.92
11/12/2021	INV06-013071	AVENU MUNISERVICES	149391	115-1910-320100	TAX	67.07
11/25/2021	INV06-012925	AVENU MUNISERVICES	149391	110-1310-425003	AUDIT	500
Vendor 156 - AVENU MUNISERVICES Total:						10638.99
Vendor: 352 - AXON ENTERPRISE INC.						
11/13/2021	SI-1697076	AXON ENTERPRISE INC.	149392	114-2140-441005	MISC. EQUIPMENT	2229.18
11/13/2021	SI-1697077	AXON ENTERPRISE INC.	149392	114-2140-441005	MISC. EQUIPMENT	2229.18
Vendor 352 - AXON ENTERPRISE INC. Total:						4458.36
Vendor: 686 - BADGER METER						
11/18/2021	1471833	BADGER METER	149393	645-4160-427006	MISC. SUPPLIES	4493.76
Vendor 686 - BADGER METER Total:						4493.76
Vendor: 1443 - BAY ALARM COMPANY						
11/09/2021	18890917	BAY ALARM COMPANY	149394	110-2160-425003	Alarm Services - Animal Shelte	325.61
11/09/2021	18890917	BAY ALARM COMPANY	149394	110-2161-425003	Alarm Services - Animal Shelte	325.6
11/09/2021	19041063	BAY ALARM COMPANY	149394	110-2160-425003	Alarm Services - Animal Shelte	99.24
11/09/2021	19041063	BAY ALARM COMPANY	149394	110-2161-425003	Alarm Services - Animal Shelte	99.24
11/22/2021	19125384	BAY ALARM COMPANY	149394	110-2130-427023	Alarm Services - 620 Hedburg	115.77
Vendor 1443 - BAY ALARM COMPANY Total:						965.46
Vendor: 01081 - BC LABORATORIES INC.						
09/29/2021	B430152	BC LABORATORIES INC.	149395	622-4151-425003	PROFESSIONAL FEE	375
09/30/2021	B430238	BC LABORATORIES INC.	149395	622-4151-425003	PROFESSIONAL FEE	225
Vendor 01081 - BC LABORATORIES INC. Total:						600
Vendor: 1537 - BLACKWATER CONSULTING ENGINEERS INC						
09/09/2021	4654	BLACKWATER CONSULTING EI	149396	645-4160-425003	PROFESSIONAL FEE	240
09/09/2021	4655	BLACKWATER CONSULTING EI	149396	720-3110-425003	PROFESSIONAL SERVICE	3440
11/03/2021	4780	BLACKWATER CONSULTING EI	149396	645-4160-425003	PROFESSIONAL FEE	501.25
11/12/2021	4790	BLACKWATER CONSULTING EI	149396	644-4169-442001	PROFESSIONAL SERVICE	1509.5
11/12/2021	4798	BLACKWATER CONSULTING EI	149396	645-4160-425003	PROFESSIONAL FEE	960
11/15/2021	4807	BLACKWATER CONSULTING EI	149396	720-3110-425003	PROFESSIONAL FEE	637.5
Vendor 1537 - BLACKWATER CONSULTING ENGINEERS INC Total:						7288.25
Vendor: 497 - BSK ASSOCIATES						
11/22/2021	SE04307	BSK ASSOCIATES	149397	645-4160-427006	PROFESSIONAL FEE	32.75
Vendor 497 - BSK ASSOCIATES Total:						32.75
Vendor: 1542 - C & S ENGINEERS INC.						
09/27/2021	0197071	C & S ENGINEERS INC.	149398	658-4170-442001	PROFESSIONAL FEE	11955.82
Vendor 1542 - C & S ENGINEERS INC. Total:						11955.82
Vendor: 1361 - CALIFORNIA STATE DISBURSEMENT UNIT						
12/10/2021	INV01155	CALIFORNIA STATE DISBURSEI	149453	110-219-1900	GARNISHMENT CHILD SUPPOI	2467.38
Vendor 1361 - CALIFORNIA STATE DISBURSEMENT UNIT Total:						2467.38



City of Oakdale, CA

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 340 - CASEY RECORDS MANAGEMENT						
11/24/2021	C6210-1-006	CASEY RECORDS MANAGEMEI	149399	110-2110-425003	PROFESSIONAL FEE	350
						Vendor 340 - CASEY RECORDS MANAGEMENT Total:
						350
Vendor: 01029 - CENTRAL VALLEY TOXICOLOGY						
11/23/2021	315681	CENTRAL VALLEY TOXICOLOG'	149400	110-2130-427028	Drug Screening (OP21-2825)	116
11/23/2021	315833	CENTRAL VALLEY TOXICOLOG'	149400	110-2130-427028	Drug Screening (OP21-1175)	236
						Vendor 01029 - CENTRAL VALLEY TOXICOLOGY Total:
						352
Vendor: 1577 - CINTAS CORPORATION						
11/19/2021	4102420721	CINTAS CORPORATION	149401	110-7210-425016	SERVICE FEE	87.02
11/19/2021	4102420721	CINTAS CORPORATION	149401	565-7215-425016	SERVICE FEE	77.31
11/26/2021	4102986985	CINTAS CORPORATION	149401	110-7210-425016	SERVICE FEE	41.5
11/26/2021	4102986985	CINTAS CORPORATION	149401	565-7215-425016	SERVICE FEE	52.31
						Vendor 1577 - CINTAS CORPORATION Total:
						258.14
Vendor: 346 - CITY OF OAKDALE CITYHALL ASSN						
12/10/2021	INV01150	CITY OF OAKDALE CITYHALL A	10415	110-219-0800	CITY OF OAKDALE CITYHALL A	44
						Vendor 346 - CITY OF OAKDALE CITYHALL ASSN Total:
						44
Vendor: 1507 - CITY OF OAKDALE FSA ACCOUNT						
12/10/2021	INV01154	CITY OF OAKDALE FSA ACCOU	10416	512-1910-374120	CITY OF OAKDALE FSA ACCOU	587.7
						Vendor 1507 - CITY OF OAKDALE FSA ACCOUNT Total:
						587.7
Vendor: 01370 - CNW CONSTRUCTION INC.						
11/30/2021	5	CNW CONSTRUCTION INC.	149402	357-1910-442001	City of Oakdale PD/City Hall Pr	201098.93
11/30/2021	5	CNW CONSTRUCTION INC.	149402	540-1910-442001	City of Oakdale PD/City Hall Pr	300000
						Vendor 01370 - CNW CONSTRUCTION INC. Total:
						501098.93
Vendor: 01240 - COLE PRO MEDIA LLC						
11/18/2021	2682	COLE PRO MEDIA LLC	149403	110-2110-425003	Transparency Engagement Ad	1500
						Vendor 01240 - COLE PRO MEDIA LLC Total:
						1500
Vendor: 1059 - COLONIAL PROCESSING CENTER						
12/10/2021	INV01153	COLONIAL PROCESSING CENTI	149454	110-219-1700	COLONIAL LIFE	27.41
						Vendor 1059 - COLONIAL PROCESSING CENTER Total:
						27.41
Vendor: 1315 - DATA PATH INC.						
10/29/2021	153211	DATA PATH INC.	149404	525-1910-425012	PROFESSIONAL FEE	4815.54
10/29/2021	153212	DATA PATH INC.	149404	525-1910-425003	PROFESSIONAL FEE	6068.55
11/01/2021	153298	DATA PATH INC.	149404	525-1910-425003	PROFESSIONAL FEE	4250
11/04/2021	153367	DATA PATH INC.	149404	525-1910-441005	PROFESSIONAL FEE	1023.11
11/10/2021	153414	DATA PATH INC.	149404	525-1910-425003	PROFESSIONAL FEE	1638.75
						Vendor 1315 - DATA PATH INC. Total:
						17795.95
Vendor: 718 - DEPARTMENT OF JUSTICE						
11/16/2021	547630	DEPARTMENT OF JUSTICE	149405	110-2110-425003	CLETS Quarterly Billing (July-A	1876.98
						Vendor 718 - DEPARTMENT OF JUSTICE Total:
						1876.98
Vendor: 1456 - ENGINEERED FIRE SYSTEMS INC.						
10/02/2021	17925	ENGINEERED FIRE SYSTEMS II	149406	120-3130-425003	PROFESSIONAL FEE	150
						Vendor 1456 - ENGINEERED FIRE SYSTEMS INC. Total:
						150



City of Oakdale, CA

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 1235 - EXPRESS SERVICES INC.						
10/27/2021	26258721	EXPRESS SERVICES INC.	149407	110-7210-410013	PROFESSIONAL FEE	918
11/10/2021	26322378	EXPRESS SERVICES INC.	149407	110-7210-410013	PROFESSIONAL FEE	1836
11/17/2021	26360751	EXPRESS SERVICES INC.	149407	110-7210-410013	PROFESSIONAL FEE	1388.48
Vendor 1235 - EXPRESS SERVICES INC. Total:						4142.48
Vendor: 721 - FALTON CUSTOM CABINETS						
09/17/2021	2036	FALTON CUSTOM CABINETS	149379	622-4153-427006	CABINET FOR DROP BOX	365.56
09/17/2021	2036	FALTON CUSTOM CABINETS	149379	645-4161-427006	CABINET FOR DROP BOX	365.56
Vendor 721 - FALTON CUSTOM CABINETS Total:						731.12
Vendor: 87 - FARMER'S BLACKMITH LLC						
11/15/2021	714805	FARMER'S BLACKMITH LLC	149408	110-4140-441005	MISC. TOOLS	38.47
11/19/2021	714804	FARMER'S BLACKMITH LLC	149408	110-4140-441005	MISC. TOOLS	301.43
Vendor 87 - FARMER'S BLACKMITH LLC Total:						339.9
Vendor: 1428 - FIRST CHOICE INDUSTRIAL SUPPLY INC.						
11/19/2021	080923	FIRST CHOICE INDUSTRIAL SU	149409	110-2110-427004	PPE - Gloves	292.61
Vendor 1428 - FIRST CHOICE INDUSTRIAL SUPPLY INC. Total:						292.61
Vendor: 1584 - FONTES PRO SOUND & LIGHT						
11/16/2021	199682825	FONTES PRO SOUND & LIGHT	149410	270-1910-425003	PROFESSIONAL FEE	300
Vendor 1584 - FONTES PRO SOUND & LIGHT Total:						300
Vendor: 92 - FRANCHISE TAX BOARD						
12/10/2021	INV01156	FRANCHISE TAX BOARD	149455	110-219-1900	GARNISHMENT - FTB	50
Vendor 92 - FRANCHISE TAX BOARD Total:						50
Vendor: 552 - HOLT OF CALIFORNIA						
11/16/2021	PS001081701	HOLT OF CALIFORNIA	149411	622-4152-424003	MISC. SUPPLIES	385.91
11/16/2021	PS001081701	HOLT OF CALIFORNIA	149411	645-4160-424003	MISC. SUPPLIES	385.91
Vendor 552 - HOLT OF CALIFORNIA Total:						771.82
Vendor: 123 - HOWK SYSTEMS INC						
11/01/2021	0323839-IN	HOWK SYSTEMS INC	149412	644-4169-442001	PROFESSIONAL FEE	6662
11/04/2021	0323850-IN	HOWK SYSTEMS INC	149412	644-4169-442001	PROFESSIONAL FEE	94970.51
Vendor 123 - HOWK SYSTEMS INC Total:						101632.51
Vendor: 01062 - ICMA MEMBERSHIP RENEWALS						
11/18/2021	MEMBER #565214	ICMA MEMBERSHIP RENEWAI	149413	110-1110-416005	MEMBERSHIP	1400
Vendor 01062 - ICMA MEMBERSHIP RENEWALS Total:						1400
Vendor: 01224 - INTELLISITE LLC						
10/04/2021	1415	INTELLISITE LLC	149414	545-2110-441005	MISC. SUPPLIES	2532.79
Vendor 01224 - INTELLISITE LLC Total:						2532.79
Vendor: 1437 - J.B. ANDERSON						
11/01/2021	110121GPS	J.B. ANDERSON	149415	120-3110-410013	SERVICE FEE	5610
11/01/2021	110121GPS	J.B. ANDERSON	149415	720-3110-425003	SERVICE FEE	1862.5
11/01/2021	110121GPS	J.B. ANDERSON	149415	720-3110-425003	SERVICE FEE	447
11/01/2021	110121GPS	J.B. ANDERSON	149415	720-3110-425003	SERVICE FEE	1341
Vendor 1437 - J.B. ANDERSON Total:						9260.5



City of Oakdale, CA

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 01391 - LANCASTER PAINTING						
11/02/2021	13-11974	LANCASTER PAINTING	149416	549-7219-442001	SERVICE FEE	8290
Vendor 01391 - LANCASTER PAINTING Total:						8290
Vendor: 158 - MCR ENGINEERING INC.						
07/07/2021	16171	MCR ENGINEERING INC.	149417	215-4149-442001	PROFESSIONAL FEE	752.5
08/25/2021	16267	MCR ENGINEERING INC.	149417	120-3110-425003	PROFESSIONAL FEE	1187.5
08/25/2021	16268	MCR ENGINEERING INC.	149417	720-3110-425003	PROFESSIONAL FEE	625
08/25/2021	16270	MCR ENGINEERING INC.	149417	720-3110-425003	PROFESSIONAL FEE	200
08/25/2021	16271	MCR ENGINEERING INC.	149417	720-3110-425003	PROFESSIONAL FEE	600
08/25/2021	16272	MCR ENGINEERING INC.	149417	720-3110-425003	PROFESSIONAL FEE	1175
08/25/2021	16282	MCR ENGINEERING INC.	149417	720-3110-425003	PROFESSIONAL FEE	812.5
Vendor 158 - MCR ENGINEERING INC. Total:						5352.5
Vendor: 1504 - METLIFE - GROUP BENEFITS						
12/01/2021	KM05931316.	METLIFE - GROUP BENEFITS	149418	110-219-1104	INSURANCE BENEFITS	812.12
Vendor 1504 - METLIFE - GROUP BENEFITS Total:						812.12
Vendor: 01241 - NC CHILD SUPPORT						
12/10/2021	INV01158	NC CHILD SUPPORT	149456	110-219-1900	GARNISHMENT CHILD SUPPOI	92.31
Vendor 01241 - NC CHILD SUPPORT Total:						92.31
Vendor: 01023 - NICKERSON INVESTIGATIVE SERVICES						
11/05/2021	21-015	NICKERSON INVESTIGATIVE SE	149419	110-2110-425006	Investigative Services (R. Owe	770.9
Vendor 01023 - NICKERSON INVESTIGATIVE SERVICES Total:						770.9
Vendor: 01015 - NORTHSTAR CHEMICAL						
11/23/2021	211229	NORTHSTAR CHEMICAL	149420	645-4160-427006	MISC. SUPPLIES	761.98
Vendor 01015 - NORTHSTAR CHEMICAL Total:						761.98
Vendor: 210 - OAKDALE AUTO CARE & TIRE						
11/18/2021	2043335	OAKDALE AUTO CARE & TIRE	149421	645-4160-424003	VEHICLE MAINTENANCE	345.65
Vendor 210 - OAKDALE AUTO CARE & TIRE Total:						345.65
Vendor: 198 - OAKDALE EMPLOYEES ASSOCIATION						
12/10/2021	INV01152	OAKDALE EMPLOYEES ASSOCI	10417	110-219-0800	OAKDALE EMPLOYEES ASSOCI	42
Vendor 198 - OAKDALE EMPLOYEES ASSOCIATION Total:						42
Vendor: 206 - OAKDALE LEADER						
10/06/2021	295840	OAKDALE LEADER	149423	720-3110-425003	PROFESSIONAL FEE	350
10/20/2021	296527	OAKDALE LEADER	149422	120-3110-425003	PROFESSIONAL FEE	350
Vendor 206 - OAKDALE LEADER Total:						700
Vendor: 208 - OAKDALE POLICE OFFICERS ASSOCIATION						
12/10/2021	INV01151	OAKDALE POLICE OFFICERS AS	10418	110-219-0800	ASSOCIATION DUES	775
Vendor 208 - OAKDALE POLICE OFFICERS ASSOCIATION Total:						775
Vendor: 209 - OAKDALE POLICE OFFICERS ASSOCIATION						
12/10/2021	INV01157	OAKDALE POLICE OFFICERS AS	10419	110-219-0900	OAKDALE PD LTD	604.5
Vendor 209 - OAKDALE POLICE OFFICERS ASSOCIATION Total:						604.5



City of Oakdale, CA

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 01386 - OLSEN MARHSA P						
11/18/2021	MARSHA OLSEN	OLSEN MARHSA P	149424	118-7340-425003	PROFESSIONAL FEE	140
Vendor 01386 - OLSEN MARHSA P Total:						140
Vendor: 1563 - ONTEL SECURITY SERVICES INC.						
11/15/2021	33825	ONTEL SECURITY SERVICES IN	149425	117-222-0700	PROFESSIONAL FEE	864
11/15/2021	33825	ONTEL SECURITY SERVICES IN	149425	117-7460-350305	PROFESSIONAL FEE	-13.44
11/15/2021	33832	ONTEL SECURITY SERVICES IN	149425	117-222-0700	CONTRACT SERVICES	468
11/15/2021	33832	ONTEL SECURITY SERVICES IN	149425	117-7460-350305	CONTRACT SERVICES	-7.28
Vendor 1563 - ONTEL SECURITY SERVICES INC. Total:						1311.28
Vendor: 219 - OPERATING ENGINEERS LOCAL #3						
12/10/2021	INV01159	OPERATING ENGINEERS LOCA	149457	110-219-0800	UNION DUES - OAKDALE POLI	910
12/10/2021	INV01160	OPERATING ENGINEERS LOCA	149457	110-219-0800	UNION DUES - OAKDALE MISC	627
Vendor 219 - OPERATING ENGINEERS LOCAL #3 Total:						1537
Vendor: 218 - OPERATING ENGINEERS TRUST FUND						
11/01/2021	17064	OPERATING ENGINEERS TRUS	149426	110-219-1102	INSURANCE	2691
Vendor 218 - OPERATING ENGINEERS TRUST FUND Total:						2691
Vendor: 62 - O'REILLY AUTOMOTIVE STORES INC.						
11/08/2021	2721-286918	O'REILLY AUTOMOTIVE STORE	149427	110-4140-424003	VEHICLE MAINTENANCE	33
11/09/2021	2721-287067	O'REILLY AUTOMOTIVE STORE	149427	110-4140-424003	VEHICLE MAINTENANCE	83.97
11/09/2021	2721-287176	O'REILLY AUTOMOTIVE STORE	149427	622-4152-424003	VEHICLE MAINTENANCE	18.41
11/15/2021	2721-288678	O'REILLY AUTOMOTIVE STORE	149427	565-7215-424003	VEHICLE MAINTENANCE	68.05
11/15/2021	2721-288691	O'REILLY AUTOMOTIVE STORE	149427	565-7215-424003	VEHICLE MAINTENANCE	35.92
11/15/2021	2721-288698	O'REILLY AUTOMOTIVE STORE	149427	622-4152-424003	VEHICLE MAINTENANCE	270.27
11/15/2021	2721-288785	O'REILLY AUTOMOTIVE STORE	149427	565-7215-424003	VEHICLE MAINTENANCE	99.86
11/17/2021	2721-289312	O'REILLY AUTOMOTIVE STORE	149427	110-2110-424003	VEHICLE MAINTENANCE	134.3
11/19/2021	2721-289751	O'REILLY AUTOMOTIVE STORE	149427	110-2110-424003	VEHICLE MAINTENANCE	144.15
Vendor 62 - O'REILLY AUTOMOTIVE STORES INC. Total:						887.93
Vendor: 223 - P & L CONCRETE PRODUCTS						
11/16/2021	231955	P & L CONCRETE PRODUCTS	149428	622-4150-427006	SUPPLIES	221.14
11/16/2021	231956	P & L CONCRETE PRODUCTS	149428	622-4150-427006	SUPPLIES	221.14
Vendor 223 - P & L CONCRETE PRODUCTS Total:						442.28
Vendor: 01216 - PACIFIC SHREDDING/PACIFIC STORAGE CO.						
11/20/2021	5086156	PACIFIC SHREDDING/PACIFIC	149429	110-2110-425003	Monthly Shredding	73.5
Vendor 01216 - PACIFIC SHREDDING/PACIFIC STORAGE CO. Total:						73.5
Vendor: 01346 - PENA REFRIGERATION						
10/14/2021	20177	PENA REFRIGERATION	149430	110-7413-425003	PROFESSIONAL FEE	289.59
Vendor 01346 - PENA REFRIGERATION Total:						289.59
Vendor: 226 - PG&E						
11/15/2021	NOV 2021 2	PG&E	149431	110-1910-420001	18246929329	1958.01
11/15/2021	NOV 2021 2	PG&E	149431	110-1910-420001	29735943408	126.82
11/15/2021	NOV 2021 2	PG&E	149431	110-1910-420002	18246929329	329.27
11/15/2021	NOV 2021 2	PG&E	149431	110-2160-420001	18246929329	1091.34



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11/15/2021	NOV 2021 2	PG&E	149431	110-4142-420001	07875298122	11.52
11/15/2021	NOV 2021 2	PG&E	149431	110-7210-420001	18246929329	501.28
11/15/2021	NOV 2021 2	PG&E	149431	117-7460-420001	71493181177	1670.7
11/15/2021	NOV 2021 2	PG&E	149431	117-7470-420001	63063551012	64.35
11/15/2021	NOV 2021 2	PG&E	149431	119-4110-420001	07228975343	133.65
11/15/2021	NOV 2021 2	PG&E	149431	119-4110-420002	07228975343	97.56
11/15/2021	NOV 2021 2	PG&E	149431	285-6220-420001	16364492971	828.27
11/15/2021	NOV 2021 2	PG&E	149431	285-6220-420001	98085099004	158
11/15/2021	NOV 2021 2	PG&E	149431	286-6230-420001	98085099004	99.66
11/15/2021	NOV 2021 2	PG&E	149431	288-6241-420001	29646608462	48.15
11/15/2021	NOV 2021 2	PG&E	149431	288-6242-420001	79258195720	9.53
11/15/2021	NOV 2021 2	PG&E	149431	288-6243-420001	01868963875	169.47
11/15/2021	NOV 2021 2	PG&E	149431	288-6244-420001	47013986097	31.77
11/15/2021	NOV 2021 2	PG&E	149431	288-6245-420001	68565167456	11.53
11/15/2021	NOV 2021 2	PG&E	149431	293-6250-420001	88703594601	51.77
11/15/2021	NOV 2021 2	PG&E	149431	622-4150-420001	45427294660	816.55
11/15/2021	NOV 2021 2	PG&E	149431	622-4152-420001	44133562536	2592.18
11/15/2021	NOV 2021 2	PG&E	149431	622-4152-420001	07228975343	218.52
11/15/2021	NOV 2021 2	PG&E	149431	645-4160-420001	07228975343	218.52
11/15/2021	NOV 2021 2	PG&E	149431	657-4170-420001	44024983676	56.79
11/15/2021	NOV 2021 2	PG&E	149431	657-4170-420001	86502703126	272.52
11/15/2021	NOV 2021 2	PG&E	149431	657-4170-420001	07028519473	815.63
11/23/2021	NOV 2021	PG&E	149431	110-7210-420001	63695829133	608.79
11/23/2021	NOV 2021	PG&E	149431	110-7210-420001	56060120856	13.46
11/23/2021	NOV 2021	PG&E	149431	110-7210-420001	25332532271	94.22
11/23/2021	NOV 2021	PG&E	149431	622-4150-420001	44172864934	267.79
11/23/2021	NOV 2021	PG&E	149431	622-4151-420001	529290	915.87
11/23/2021	NOV 2021	PG&E	149431	622-4151-420001	529288	592.45
11/23/2021	NOV 2021	PG&E	149431	645-4160-420001	60775846904	14730.03
Vendor 226 - PG&E Total:						29605.97
Vendor: 01389 - RANK INVESTIGATION AND PROTECTION INC.						
11/16/2021	90449	RANK INVESTIGATION AND PF	149433	110-2110-425006	Investigative Services - BGI x2	4025.7
Vendor 01389 - RANK INVESTIGATION AND PROTECTION INC. Total:						4025.7
Vendor: 292 - ROLAND JOCELYN E. PHD ABPP						
11/19/2021	19744	ROLAND JOCELYN E. PHD ABI	149434	110-2110-425006	Pre-Employment Psych Screer	475
Vendor 292 - ROLAND JOCELYN E. PHD ABPP Total:						475
Vendor: 255 - SAFE-T-LITE OF MODESTO						
11/18/2021	379327	SAFE-T-LITE OF MODESTO	149435	216-4149-442001	MISC. SUPPLIES	535.87
Vendor 255 - SAFE-T-LITE OF MODESTO Total:						535.87
Vendor: 261 - SEEGER'S PRINTING						
10/28/2021	0137593-IN	SEEGER'S PRINTING	149436	118-7340-425014	SERVICE FEE	429.34
Vendor 261 - SEEGER'S PRINTING Total:						429.34



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Vendor: 01067 - SHARP LINDA J						
11/29/2021	LINDA SHARP	SHARP LINDA J	149437	118-7340-425003	PROFESSIONAL FEE	28
Vendor 01067 - SHARP LINDA J Total:						28
Vendor: 01030 - SOUNDSCAPES ELECTRIC SECURITY & AUDIO VIDEO						
10/22/2021	21-0963	SOUNDSCAPES ELECTRIC SECL	149438	110-7413-425003	PROFESSIONAL FEE	840
Vendor 01030 - SOUNDSCAPES ELECTRIC SECURITY & AUDIO VIDEO Total:						840
Vendor: 1182 - SOUTHERN COUNTIES FUELS						
11/30/2021	1993511-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	3089.87
11/30/2021	1993511-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	119.9
11/30/2021	1993511-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-49.67
11/30/2021	1996338-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	2298.94
11/30/2021	1996338-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	92.01
11/30/2021	1996338-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-35.96
11/30/2021	1998440-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	2282.1
11/30/2021	1998440-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Diesel Fuel	1669.31
11/30/2021	1998440-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	181.71
11/30/2021	1998440-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-142.1
11/30/2021	2001213-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	1479.46
11/30/2021	2001213-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	55.03
11/30/2021	2001213-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-24.17
11/30/2021	2003104-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Diesel Fuel	784.63
11/30/2021	2003104-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	2368.89
11/30/2021	2003104-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	132.95
11/30/2021	2003104-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-89.12
11/30/2021	2006657-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	1687.13
11/30/2021	2006657-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	64.05
11/30/2021	2006657-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-27.26
11/30/2021	2008427-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	2722.54
11/30/2021	2008427-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	109.51
11/30/2021	2008427-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-42.54
11/30/2021	2012589-IN	SOUTHERN COUNTIES FUELS	149452	110-140-0000	Unleaded Fuel	2227.83
11/30/2021	2012589-IN	SOUTHERN COUNTIES FUELS	149452	110-217-0000	TAXES	92.52
11/30/2021	2012589-IN	SOUTHERN COUNTIES FUELS	149452	110-218-0000	TAXES	-33.81
Vendor 1182 - SOUTHERN COUNTIES FUELS Total:						21013.75
Vendor: 275 - STANISLAUS COUNTY						
10/06/2021	56946.	STANISLAUS COUNTY	149439	110-2210-425003	SR911 DISPATCH SERVICES OC	19697.75
Vendor 275 - STANISLAUS COUNTY Total:						19697.75



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Vendor: 1368 - STANISLAUS FOUNDATION						
11/01/2021	49324	STANISLAUS FOUNDATION	149440	510-1910-436001	INSURANCE BENEFITS	536
11/08/2021	49343	STANISLAUS FOUNDATION	149440	510-1910-436001	INSURANCE BENEFITS	545.29
11/15/2021	49363	STANISLAUS FOUNDATION	149440	510-1910-436001	INSURANCE	260
11/22/2021	49380	STANISLAUS FOUNDATION	149440	510-1910-436001	INSURANCE	424
11/24/2021	49405	STANISLAUS FOUNDATION	149440	510-1910-425003	PROFESSIONAL FEE	370
Vendor 1368 - STANISLAUS FOUNDATION Total:						2135.29
Vendor: 1163 - STAPLES BUSINESS ADVANTAGE						
10/20/2021	3490374291	STAPLES BUSINESS ADVANTAGE	149441	120-3110-427001	MISC. SUPPLIES	105.2
11/08/2021	3492372913	STAPLES BUSINESS ADVANTAGE	149441	622-4153-427001	MISC. SUPPLIES	21.94
11/08/2021	3492372913	STAPLES BUSINESS ADVANTAGE	149441	645-4161-427001	MISC. SUPPLIES	21.95
11/10/2021	3492372914	STAPLES BUSINESS ADVANTAGE	149441	622-4153-427001	MISC. OFFICE SUPPLIES	22.52
11/10/2021	3492372914	STAPLES BUSINESS ADVANTAGE	149441	645-4161-427001	MISC. OFFICE SUPPLIES	22.53
11/10/2021	3492372915	STAPLES BUSINESS ADVANTAGE	149441	622-4153-427001	MISC. OFFICE SUPPLIES	8.59
11/10/2021	3492372915	STAPLES BUSINESS ADVANTAGE	149441	645-4161-427001	MISC. OFFICE SUPPLIES	8.6
11/22/2021	3492372916	STAPLES BUSINESS ADVANTAGE	149441	110-2110-427001	Office Supplies	123.74
11/11/2021	3492451238	STAPLES BUSINESS ADVANTAGE	149441	622-4153-427001	MISC. OFFICE SUPPLIES	15.22
11/11/2021	3492451238	STAPLES BUSINESS ADVANTAGE	149441	645-4161-427001	MISC. OFFICE SUPPLIES	15.22
11/22/2021	3492451239	STAPLES BUSINESS ADVANTAGE	149441	110-2110-427001	Office Supplies	51.22
11/13/2021	3492648973	STAPLES BUSINESS ADVANTAGE	149441	622-4153-427001	MISC. SUPPLIES	3.49
11/13/2021	3492648973	STAPLES BUSINESS ADVANTAGE	149441	645-4161-427001	MISC. SUPPLIES	3.5
Vendor 1163 - STAPLES BUSINESS ADVANTAGE Total:						423.72
Vendor: 770 - SUN RIDGE SYSTEMS						
08/12/2021	6685	SUN RIDGE SYSTEMS	149442	110-2110-425003	RIMS Software	3200
Vendor 770 - SUN RIDGE SYSTEMS Total:						3200
Vendor: 1172 - THE PARKS GROUP						
11/16/2021	67225	THE PARKS GROUP	149443	110-2110-427001	OPD Letterhead & Envelopes	533.55
Vendor 1172 - THE PARKS GROUP Total:						533.55
Vendor: 978 - U.S. BANK						
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-1910-420003	COMCAST	104.99
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-1910-420003	COMCAST	104.99
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-1910-420003	COMCAST	25.5
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-2110-420003	COMCAST	104.98
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-2110-420003	COMCAST	104.98
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-2110-420003	COMCAST	25.49
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	110-7210-425003	COMCAST	-174.04
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	270-1910-425003	UPS	154.75
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	270-1910-425003	LIVESTREAM	49
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	270-1910-441005	DELL	1906.86
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	525-1910-441005	DELL	1655.07
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	AMAZON	52.17
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	CUSTOMSIGNS.COM	75.06



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10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	AMAZON	29.65
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	AMAZON	29.49
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	HOME DEPOT	16.71
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	SMARTSIGNS.COM	13.17
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	AMAZON	7.58
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	622-4153-427001	AMAZON	5.09
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4160-427006	PARKING	1.25
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	AMAZON	29.64
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	CUSTOMSIGNS.COM	75.06
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	AMAZON	29.5
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	HOME DEPOT	16.72
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	SMARTSIGNS.COM	13.18
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	AMAZON	7.58
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	AMAZON	5.09
10/22/2021	ADM-1 1899 102221	U.S. BANK	149461	645-4161-427001	AMAZON	52.18
10/22/2021	ADM-2 4894 102221	U.S. BANK	149461	110-1910-427006	ADOBE PRO	9.99
10/22/2021	ADM-2 4894 102221	U.S. BANK	149461	110-1910-427006	MISC SUPPLIES	62.43
10/22/2021	ADM-2 4894 102221	U.S. BANK	149461	110-1910-427006	DIALPAD	20
10/22/2021	ADM-3 2821 102221	U.S. BANK	149461	110-1130-416002	OFFICE DEPOT/ADOBE ACROP	230
10/22/2021	ADM-3 2821 102221	U.S. BANK	149461	110-1130-416002	CCAC/AMAZON	200
10/22/2021	ADM-3 2821 102221	U.S. BANK	149461	110-1130-425003	GENERAL CODE	1195
10/22/2021	ADM-3 2821 102221	U.S. BANK	149461	110-1130-427001	CCAC/AMAZON	55.98
10/22/2021	ADM-3 2821 102221	U.S. BANK	149461	110-1130-427001	OFFICE DEPOT/ADOBE ACROP	263.15
10/22/2021	ADM-3 2821 102221	U.S. BANK	149461	110-1910-425003	ZOOM	379.9
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-1120-416002	CSJVRMA	54.93
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-1120-416002	MISC SUPPLIES	32.92
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-1120-427001	AMAZON	114.37
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-1120-427001	AMAZON	96.54
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-1120-427001	AMAZON	49.82
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-1120-427001	AMAZON	16.25
10/22/2021	ADM-4 6505 102221	U.S. BANK	149461	110-2110-425006	MISC SUPPLIES	115.51
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	118-7340-427001	SC SUPPLIES	23.89
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	118-7340-427001	REC SUPPLIES	47.46
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	118-7340-427006	SC SUPPLIES	67.81
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	118-7340-427006	REC SUPPLIES	12.77
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	118-7380-427008	SKATE PARK CONCESSIONS	545.92
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	744-7340-427004	SC SUPPLIES	42.48
10/22/2021	FAC-1 1563 102221	U.S. BANK	149461	744-7340-427004	SC TRUST	321.28
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	4.32
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	12.99
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	17.09
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	9.73



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10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	43.34
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	26.18
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	28.14
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	46.11
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	77.95
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	AMAZON	21.11
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-424001	OAKDALE ACE	99.61
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-427002	OAKDALE ACE	108.36
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	110-7413-427002	EBAY	189.99
10/22/2021	FAC-2 6423 102221	U.S. BANK	149461	117-7440-424001	OAKDALE ACE	30.33
10/22/2021	PD-1 9825 102221	U.S. BANK	149461	110-2110-416003	TRAINING LODGING/MEALS/F	33.18
10/22/2021	PD-1 9825 102221	U.S. BANK	149461	110-2110-416003	TRAINING LODGING/MEALS/F	220.02
10/22/2021	PD-1 9825 102221	U.S. BANK	149461	110-2110-427022	TRAINING LODGING/MEALS/F	85.6
10/22/2021	PD-2 9866 102221	U.S. BANK	149461	110-2110-416003	TRAINING/LODGING/FUEL	416.49
10/22/2021	PD-2 9866 102221	U.S. BANK	149461	110-2110-427022	TRAINING/LODGING/FUEL	57.81
10/22/2021	PD-2 9866 102221	U.S. BANK	149461	110-2110-429000	USPS	9.34
10/22/2021	PD-3 6485 102221	U.S. BANK	149461	110-2110-416002	TRAINING/TRAVEL/LODGING	562.29
10/22/2021	PD-3 6485 102221	U.S. BANK	149461	110-2110-416003	TRAINING/TRAVEL	98.63
10/22/2021	PD-3 6485 102221	U.S. BANK	149461	110-2110-416003	TRAINING/TRAVEL	127.12
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-416003	TRAINING	375
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-416003	TRAINING/LODGINE	928.42
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-425003	ATLAS	88
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-425006	INNOVATIVE CREDIT	17
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-427004	MISC SUPPLIES	17.95
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-427004	ZOOM	63.99
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-427004	MISC SUPPLIES	396.37
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-427004	AMAZON	158.92
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-429000	MISC SUPPLIES	9.3
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	110-2110-429000	UPS STORE	44.49
10/22/2021	PD-4 2787 102221	U.S. BANK	149461	743-2110-425003	EMBRACE PET INS	181.29
10/22/2021	PD-5 2527 102221	U.S. BANK	149461	110-2110-416003	TRAINING/LODGING	770.55
10/22/2021	PD-6 2568 102221	U.S. BANK	149461	110-2110-427004	CYCLE GEAR/TRAINING	366.75
10/22/2021	PD-7 2857 102221	U.S. BANK	149461	110-2110-416003	TRAINING/LODGING	459.21
10/22/2021	PD-7 2857 102221	U.S. BANK	149461	110-2110-427004	TRAINING/FUEL	120.72
10/22/2021	PD-7 2857 102221	U.S. BANK	149461	110-2110-427022	TRAINING/FUEL	60.8
10/22/2021	PD-8 4738 102221	U.S. BANK	149461	110-2110-427001	MISC SUPPLIES	12.93
10/22/2021	PD-8 4738 102221	U.S. BANK	149461	110-2110-427004	MISC SUPPLIES	70.11
10/22/2021	PD-8 4738 102221	U.S. BANK	149461	110-2130-427023	MISC SUPPLIES	76.1
10/22/2021	PD-9 8974 102221	U.S. BANK	149461	110-2110-416003	PARKING	96
10/22/2021	PD-9 8974 102221	U.S. BANK	149461	110-2110-425006	MISC SUPPLIES	6.29
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	110-4120-427006	AMAZON	30.27
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	622-4152-427001	STAPLES	58.65



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10/22/2021	PW-1 8837 102221	U.S. BANK	149461	622-4152-427001	STAPLES	61.22
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	622-4152-427001	AMAZON	67.91
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	645-4160-424003	AMAZON	462.3
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	645-4160-427001	AMAZON	67.92
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	645-4160-427001	STAPLES	61.22
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	645-4160-427001	STAPLES	58.64
10/22/2021	PW-1 8837 102221	U.S. BANK	149461	657-4170-427006	AMAZON	38.61
10/22/2021	PW-2 8860 102221	U.S. BANK	149461	120-3110-427001	AMERICAN COUNCIL OF ENGI	101.59
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	SJAPCD	43
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	STAPLES	15.63
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	19.92
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	HOME DEPOT	44.28
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	GALCO	434.79
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	STAPLES	86.29
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	106.67
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	HOME DEPOT	226.55
10/22/2021	PW-3 0327 102221	U.S. BANK	149461	110-4142-427006	SJAPCD	289.76
10/22/2021	PW-4 0368 102221	U.S. BANK	149461	110-7210-425003	ANDERSON TREE EXPERTS	850
10/22/2021	PW-4 0368 102221	U.S. BANK	149461	110-7210-427006	OAKDALE ACE	106.87
10/22/2021	PW-4 0368 102221	U.S. BANK	149461	110-7210-427006	AMAZON	21.66
10/22/2021	PW-4 0368 102221	U.S. BANK	149461	110-7210-427006	EWING	1144.25
10/22/2021	PW-4 0368 102221	U.S. BANK	149461	565-7215-424003	TRACTOR SUPPLY	138.63
10/22/2021	PW-4 0368 102221	U.S. BANK	149461	565-7215-427006	AMAZON	160.36
10/22/2021	PW-5 0624 102221	U.S. BANK	149461	657-4170-425003	CA PROPANE/SMART & FINAL	196.38
10/22/2021	PW-5 0624 102221	U.S. BANK	149461	657-4170-427029	CA PROPANE/SMART & FINAL	28.49
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	110-4140-425003	ANDERSON TREE	1700
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	110-4140-425003	ANDERSON TREE	2586
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	110-4140-425003	ANDERSON TREE	1700
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	119-4110-427006	AMAZON	67.42
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	120-3110-427006	AMAZON	67.42
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	622-4153-427006	AMAZON	67.42
10/22/2021	PW-6 1392 102221	U.S. BANK	149461	645-4160-427006	AMAZON	67.42
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	6.06
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	6.54
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	TRACTOR SUPPLY	9.2
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	47.92
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE FEED & SEED	64.92
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	74.3
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	TRACTOR SUPPLY	76.36
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	108.42
10/22/2021	PW-7 6435 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	146.12
10/22/2021	PW-8 2438 102221	U.S. BANK	149461	110-4140-427006	OAKDALE ACE	67.79



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10/22/2021	PW-8 2438 102221	U.S. BANK	149461	110-4140-427006	P & L CONCRETE	48
10/22/2021	PW-8 2438 102221	U.S. BANK	149461	622-4152-427006	OAKDALE ACE	117.02
10/22/2021	PW-8 2438 102221	U.S. BANK	149461	622-4152-427006	OAKDALE ACE	48.68
10/22/2021	PW-9 7025 102221	U.S. BANK	149461	110-7210-427006	OAKDALE ACE	498.8
10/22/2021	PW-9 7025 102221	U.S. BANK	149461	110-7210-427006	AMERINE SYSTEMS	95.21
10/22/2021	PW-9-1 7041 102221	U.S. BANK	149461	284-6210-424009	WEST TURF	187.71
10/22/2021	PW-9-1 7041 102221	U.S. BANK	149461	284-6210-424009	OAKDALE ACE	87.47
10/22/2021	PW-9-1 7041 102221	U.S. BANK	149461	565-7215-427006	TRACTOR SUPPLY	190.69
10/22/2021	PW-9-1 7041 102221	U.S. BANK	149461	565-7215-427006	OAKDALE ACE	23.83
10/22/2021	PW-9-2 9951 102221	U.S. BANK	149461	110-4140-427006	OAKDALE ACE	86.41
10/22/2021	PW-9-3 2141 102221	U.S. BANK	149461	110-4140-427006	KEY SEAL	67.89
10/22/2021	PW-9-3 2141 102221	U.S. BANK	149461	622-4152-427006	OAKDALE ACE	48.76
10/22/2021	PW-9-4 6790 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	17.25
10/22/2021	PW-9-4 6790 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	6.48
10/22/2021	PW-9-5 6972 102221	U.S. BANK	149461	110-4140-424003	OAKDALE ACE	148.07
10/22/2021	PW-9-5 6972 102221	U.S. BANK	149461	110-4140-427006	OAKDALE ACE	54.64
10/22/2021	PW-9-6 1731 102221	U.S. BANK	149461	622-4151-424002	A & M TIRES	223.46
10/22/2021	PW-9-6 1731 102221	U.S. BANK	149461	622-4151-427006	ALHAMBRA	59.37
10/22/2021	PW-9-6 1731 102221	U.S. BANK	149461	622-4151-427006	GALCO	299.61
10/22/2021	PW-9-6 1731 102221	U.S. BANK	149461	622-4151-427006	HELIX LINEAR TECH	479.7
10/22/2021	PW-9-7 8282 102221	U.S. BANK	149461	622-4151-424002	O'REILLYS	40.89
10/22/2021	PW-9-7 8282 102221	U.S. BANK	149461	622-4151-424002	MCMMASTER CARR	80.96
10/22/2021	PW-9-7 8282 102221	U.S. BANK	149461	622-4151-424003	O'REILLYS	97.35
10/22/2021	PW-9-7 8282 102221	U.S. BANK	149461	622-4151-427006	HOME DEPOT	165.86
10/22/2021	PW-9-7 8282 102221	U.S. BANK	149461	622-4151-427006	ULINE	151.37
10/22/2021	PW-9-8 1216 102221	U.S. BANK	149461	110-4140-427006	OAKDALE ACE	102.88
10/22/2021	PW-9-8 1216 102221	U.S. BANK	149461	110-7210-427006	OAKDALE ACE	98.06
10/22/2021	PW-9-9 1240 102221	U.S. BANK	149461	110-4140-427006	OAKDALE ACE	48.66
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	284-6210-424007	OAKDALE ACE	54.58
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	284-6210-424009	EWING IRRIGATION	414.65
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	284-6210-424009	OAKDALE ACE	255.72
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	286-6230-424007	OAKDALE ACE	27.07
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	286-6230-424009	EWING IRRIGATION	450.27
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	286-6230-424009	OAKDALE ACE	100.93
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	565-7215-427006	WEST TURF	50.58
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	565-7215-427006	OAKDALE ACE	41.67
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	565-7215-427006	AMAZON	114.89
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	565-7215-427006	OAKDALE ACE	55.24
10/22/2021	PW-9-A 9837 102221	U.S. BANK	149461	565-7215-441005	OAKDALE ACE	192.14
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	43.5
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	45
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	88.22



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10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	16.98
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	BEST BUY	194.16
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	TRAFFIC SAFETY CORP	651.24
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	23.83
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	OAKDALE ACE	9.67
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	STAPLES	-377.55
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	110-4142-427006	UNITED CIRCUIT BREAKERS IN	32.48
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	645-4160-424002	HOME DEPOT	26.6
10/22/2021	PW-9-B 2106 102221	U.S. BANK	149461	645-4160-424006	GRAINGER	157.38
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-424002	B & B	1082.61
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-424002	O'REILLYS	941.67
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-424002	O'REILLYS	7.66
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-424002	O'REILLYS	38.86
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-425003	HACH	1662
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-427006	ULINE	747.66
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-427006	OAKDALE ACE	197.78
10/22/2021	PW-9-C 7993 102221	U.S. BANK	149461	622-4151-427006	AMAZON	252.6
10/22/2021	PW-9-D 2898 102221	U.S. BANK	149461	622-4151-427006	O'REILLYS	216.62
10/22/2021	PW-9-D 2898 102221	U.S. BANK	149461	622-4151-427006	MCMASTER CARR	111.84
10/22/2021	PW-9-D 2898 102221	U.S. BANK	149461	622-4151-427006	GRAINGER	70.72
10/22/2021	PW-9-D 2898 102221	U.S. BANK	149461	622-4151-427006	DOLLAR TREE	44.53
10/22/2021	PW-9-E 2419 102221	U.S. BANK	149461	120-3130-416002	DICK'S SPORTING GOODS	37.75
10/22/2021	PW-9-E 2419 102221	U.S. BANK	149461	120-3130-416002	TRAINING/LODGING	109.09
10/22/2021	PW-9-E 2419 102221	U.S. BANK	149461	645-4160-416002	DICK'S SPORTING GOODS	37.75
10/22/2021	PW-9-E 2419 102221	U.S. BANK	149461	645-4160-416002	TRAINING/LODGING	109.09
10/22/2021	PW-9-F 9383 102221	U.S. BANK	149461	216-4149-442001	STATEWIDE TRAFFIC SAFTEY	3670.35
10/22/2021	PW-9-G 4030 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	5.41
10/22/2021	PW-9-G 4030 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	40.91
10/22/2021	PW-9-G 4030 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	59.53
10/22/2021	PW-9-H 4331 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	32.45
10/22/2021	PW-9-H 4331 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	47.65
10/22/2021	PW-9-H 4331 102221	U.S. BANK	149461	645-4160-427006	OAKDALE ACE	86.5
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-2110-424003	GATEOPENERSAFTEY.COM	311.47
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-4120-424002	AMAZON	52.72
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-4120-425003	AMAZON	14.08
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-4120-427006	AMAZON	285.03
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-4140-424003	AMAZON	258.14
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-4140-424003	TRUST PARTS	64.1
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-7210-424003	AMAZON	29.8
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	110-7210-424003	AMAZON	212.4
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	565-7215-424003	AMAZON	419.35
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	565-7215-424003	AMAZON	258.54



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10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	565-7215-424003	PARTS TREE	20.1
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	622-4152-424003	GATEOPENERSAFTEY.COM	311.48
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	645-4160-424002	OAKDALE ACE	10.62
10/22/2021	PW-9-I 9996 102221	U.S. BANK	149461	645-4160-424003	GATEOPENERSAFTEY.COM	311.47
Vendor 978 - U.S. BANK Total:						45325.84
Vendor: 1401 - UNITED LABORATORIES						
11/19/2021	INV334466	UNITED LABORATORIES	149444	110-2160-427006	Liqui-Zyme Newberry - Anima	215.5
11/19/2021	INV334466	UNITED LABORATORIES	149444	110-2161-427006	Liqui-Zyme Newberry - Anima	215.5
Vendor 1401 - UNITED LABORATORIES Total:						431
Vendor: 299 - UNITED WAY OF STANISLAUS						
12/10/2021	INV01161	UNITED WAY OF STANISLAUS	149458	110-219-1300	UNITED WAY OF STANISLAUS	2
Vendor 299 - UNITED WAY OF STANISLAUS Total:						2
Vendor: 1102 - VELLA LISA						
11/29/2021	LISA VELLA.	VELLA LISA	149445	118-7340-425003	PROFESSIONAL FEE	315
Vendor 1102 - VELLA LISA Total:						315
Vendor: 308 - VERIZON WIRELESS						
11/18/2021	270617885-00002 11/18/21	VERIZON WIRELESS	149446	110-7210-420004	TELEPHONE	163.33
11/18/2021	270617885-00002 11/18/21	VERIZON WIRELESS	149446	110-7210-420004	TELEPHONE	-29.69
11/18/2021	270617885-00002 11/18/21	VERIZON WIRELESS	149446	565-7215-420004	TELEPHONE	-29.68
11/18/2021	270617885-00002 11/18/21	VERIZON WIRELESS	149446	565-7215-420004	TELEPHONE	154.47
11/18/2021	270617885-00002 11/18/21	VERIZON WIRELESS	149446	645-4160-420004	TELEPHONE	36.6
11/19/2021	570628357-00002 11/19/21	VERIZON WIRELESS	149446	110-2110-420004	TELEPHONE	845.27
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	110-4120-420004	TELEPHONE	76.93
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	110-4140-425003	TELEPHONE	56.59
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	119-4110-420004	TELEPHONE	83.96
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	120-3130-420004	TELEPHONE	90.11
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	622-4151-420004	TELEPHONE	355.54
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	622-4152-420004	TELEPHONE	771.29
11/26/2021	570624185-00002 11/26/21	VERIZON WIRELESS	149446	645-4160-420004	TELEPHONE	698.98
Vendor 308 - VERIZON WIRELESS Total:						3273.7
Vendor: 1560 - WGR SOUTHWEST INC.						
10/18/2021	25839	WGR SOUTHWEST INC.	149447	720-3110-425003	SERVICE FEE	165
10/18/2021	25839	WGR SOUTHWEST INC.	149447	720-3110-425003	SERVICE FEE	330
10/18/2021	25839	WGR SOUTHWEST INC.	149447	720-3110-425003	SERVICE FEE	165
10/18/2021	25839	WGR SOUTHWEST INC.	149447	720-3110-425003	SERVICE FEE	165
10/18/2021	25839	WGR SOUTHWEST INC.	149447	720-3110-425003	SERVICE FEE	165
Vendor 1560 - WGR SOUTHWEST INC. Total:						990



City of Oakdale, CA

WARRANT LIST

By Vendor Name

Payment Dates 12/1/2021 - 12/14/2021

Post Date	Payable Number	Vendor Name	Payment Number	Account Number	Description (Item)	Amount
Vendor: 01331 - WHITE BRENNER LLP						
11/15/2021	43625	WHITE BRENNER LLP	149448	110-1610-425003	LEGAL SERVICES	4770.29
11/15/2021	43625	WHITE BRENNER LLP	149448	120-3130-425003	LEGAL SERVICES	833
11/15/2021	43625	WHITE BRENNER LLP	149448	645-4160-425003	LEGAL SERVICES	163.2
11/15/2021	43625	WHITE BRENNER LLP	149448	720-3110-425003	LEGAL SERVICES	6574
	43625	WHITE BRENNER LLP	149448	720-3110-425003	LEGAL SERVICES	1857.8
11/15/2021	43625	WHITE BRENNER LLP	149448	720-3110-425003	LEGAL SERVICES	456
11/15/2021	43625	WHITE BRENNER LLP	149448	720-3110-425003	LEGAL SERVICES	306
11/15/2021	43625	WHITE BRENNER LLP	149448	799-8280-425003	LEGAL SERVICES	108.8
Vendor 01331 - WHITE BRENNER LLP Total:						<u>15069.09</u>
Grand Total:						<u>880583.48</u>

Agenda Item 9.3:

By Motion, Waive all Readings of Ordinances and Resolutions, except by Title.



**CITY OF OAKDALE
CITY COUNCIL STAFF REPORT**

Date: December 15, 2021
To: Mayor and City Council
From: Colleen Andersen, Management Analyst
Reviewed by: Jeff Gravel, Public Services Director
Subject: Consideration of Tree Removal Request for One (1) Interior Live Oak Tree Located at 277 Maxwell Avenue

I.BACKGROUND

Doug and Nancy Sutton (Owner/Applicant), has requested approval to remove one (1) Interior Live Oak located in the front yard of their property at 277 Maxwell Avenue. Due to the tree species and size of the tree, it is subject to Oakdale's Tree Preservation Ordinance.

Location Map



As noted above, the Subject Tree is located at 277 Maxwell Avenue. Attachment A – Tree Photographs, provide a depiction of the current status and position of the tree.



**CITY OF OAKDALE
CITY COUNCIL STAFF REPORT**

**Subject: Consideration of Tree Removal Request: 277 Maxwell Avenue
December 15, 2021**

The tree is currently approximately 15 to 20 years old and is 40 feet tall with a spread of 25 feet. The tree grew as a volunteer and is only at half of its potential as a mature tree. The tree trunk is against the foundation of the house and on top of a natural gas line. Damage to the foundation or the gas line has not occurred yet, but it is inevitable. The Applicant has expressed concern that the tree creates a safety hazard for the Subject Property.

II.DISCUSSION

Per the Tree Preservation Ordinance, Oak trees (Oak trees with a diameter of 3 inches or greater at a height of 3 feet) must receive City Council approval in order to be removed. Section 36-28(4)(D) of the City's Tree Ordinance provides the criteria used to evaluate requests for tree removal. The removal of Significant Trees requires City Council approval prior to being removed.

The criteria in the Ordinance applicable to this request include:

- (1) *"The number, species, size and location of existing trees in the area and the effect of the requested action on shade areas, air pollution, historic values, scenic beauty and the general welfare of the City as a whole."*

The Subject Tree is located in the front of 277 Maxwell Avenue. The Subject Tree does provide shade, but does not significantly affect the City's historical values, scenic beauty, or general welfare due to its location. The Applicant has elected to pay the in-lieu planting fee.

III.RECOMMENDATION

Staff recommends that the City Council approve the request to remove the Interior Oak Tree located at 277 Maxwell Avenue.

IV.ATTACHMENTS

Attachment A: Tree Photographs



**CITY OF OAKDALE
CITY COUNCIL STAFF REPORT**

**Subject: Consideration of Tree Removal Request: 277 Maxwell Avenue
December 15, 2021**

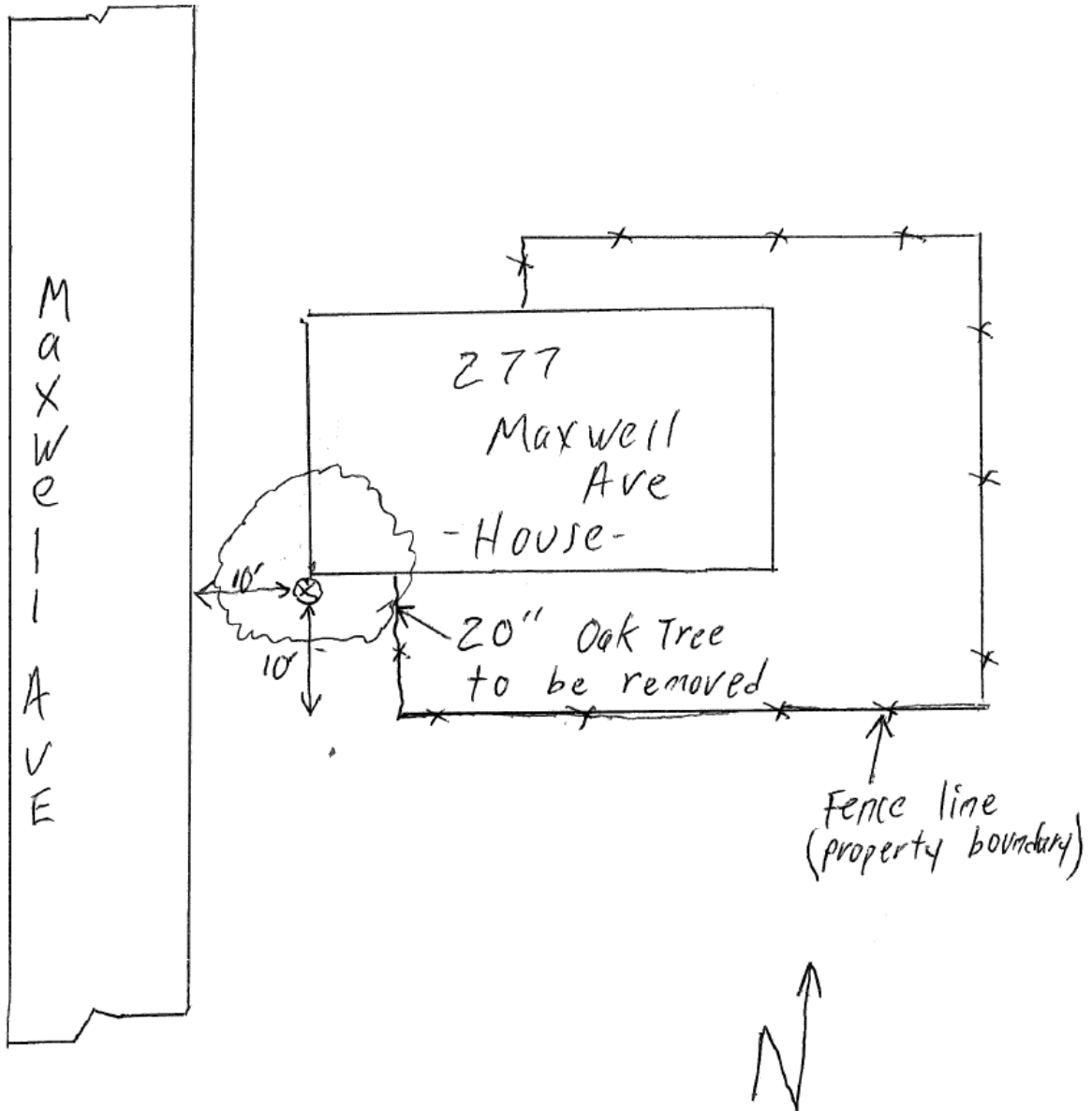
**Attachment A
Photograph of Tree at 277 Maxwell Avenue**





**CITY OF OAKDALE
CITY COUNCIL STAFF REPORT**

Subject: Consideration of Tree Removal Request: 277 Maxwell Avenue
December 15, 2021





**CITY OF OAKDALE
CITY COUNCIL STAFF REPORT**

Report Date: December 9, 2021
To: Mayor and City Council
From: Albert Avila, Finance Director
Maria Wilson, City Treasurer
Subject: October 31, 2021 Treasurer's Report

I. BACKGROUND

The Treasurer's Report for the month of October 2021 is attached.

II. DISCUSSION

The Treasurer's Report represent the schedule of cash and investments for the City. The schedule reflects the reconciled cash balances at the end of each month for checking, savings, investments, customer service cash drawers and petty cash.

III. RECOMMENDATION

Staff recommends that the City Council accept the Treasurer Report as presented.

IV. ATTACHMENTS

Treasurer's Report dated October 31, 2021

CITY OF OAKDALE
 TREASURER'S REPORT
 SCHEDULE OF CASH AND INVESTMENTS
 10/31/2021

Type of Investment	Interest Rate	Maturity Date	
<u>Cash and Cash Equivalents</u>			
Oak Valley Bank / Checking		Due on Demand	\$ 2,674,506.29
Oak Valley Bank / Payroll Checking		Due on Demand	16,980.08
Oak Valley Bank / FSA Checking		Due on Demand	8,813.47
Oak Valley Bank / Savings		Due on Demand	6,742,269.13
Oak Valley Bank / Savings-Direct Deposits		Due on Demand	146,007.09
Cash on Hand		Due on Demand	<u>2,400.00</u>
Total Checking and Savings Accounts			\$ <u>9,590,976.06</u>
<u>Managed Pool Accounts</u>			
	YTD		
Local Agency Investment Fund		Due on Demand	6,386,070.27
Chandler Asset Management		Due on Demand	<u>41,362,316.80</u>
Total Investments			\$ <u>47,748,387.07</u>
Total Cash & Investments			<u><u>57,339,363.13</u></u>

I certify that this report reflects all government agency pooled investments and is in conformity with the investment policy of the City of Oakdale as stated in Resolution 01-04 dated January 16, 2001.

A copy of this resolution is available at the office of the City Clerk and Finance Director.

The City currently maintains its investments in the following instruments:

Chandler Asset Management	72.14%
Local Agency Investment Fund (LAIF)	<u>11.14%</u>
Total	<u><u>83.27%</u></u>

The investment program herein shown provides sufficient cash flow liquidity to meet next month's estimated expenditures.

Report Prepared by Finance Department

Signed:

Maria Wilson
 Treasurer

**CITY OF OAKDALE
TREASURERS REPORT
October 31, 2021**

	CHECKING	PAYROLL	TOTAL
BANK STATEMENT BALANCE	2,800,000.00	26,953.19	2,826,953.19
OUTSTANDING DEPOSITS	57,667.50	-	57,667.50
OUTSTANDING CHECKS	(183,161.21)	(9,973.11)	(193,134.32)
ADJUSTED TOTAL	<u>2,674,506.29</u>	<u>16,980.08</u>	<u>2,691,486.37</u>
CASH DRAWERS			2,400.00
EMPLOYEE FSA CHECKING			8,813.47
SAVINGS - DIRECT DEPOSIT			146,007.09
SAVINGS			6,742,269.13
INVESTMENTS - CHANDLER ASSET MANAGEMENT			41,362,316.80
INVESTMENTS - LAIF			6,386,070.27
			<u><u>57,339,363.13</u></u>

	All Funds	October 2020	October 2021
110	GENERAL FUND	3,504,500.53	3,563,346.45
114	CANNABIS FUND	612,739.93	790,579.49
115	MEASURE Y	243,419.50	267,754.92
117	FACILITIES	7,367.73	5,366.45
118	RECREATION	67,534.30	(11,639.92)
119	ENGINEER & PW ADMIN	843.51	4,802.75
120	DEVELOPMENT SERVICES	406,498.98	329,563.17
202	CHP CANNABIS ENFORCEMENT GRANT	-	(1,840.79)
203	SUPPLEMENTAL LAW ENFORCEMENT	258,715.95	319,709.00
204	OTS - STEP GRANT	-	(2,124.84)
210	AB109 PUBLIC SAFETY REALING	10,400.44	10,400.44
211	ASSET FORFEITURE	26,666.11	38,691.55
214	SAFETY SALES TAX	36,814.82	51,883.78
215	GAS TAX	572,453.35	563,233.38
216	SB1-ROAD MAINTENANCE	454,865.23	802,000.21
217	TRAFFIC CONGESTION RELIEF FUND	26,852.75	79,316.23
221	LOCAL TRANSPORTATION	103,227.01	25,648.76
222	MEASURE L	1,104,130.09	1,057,801.32
229	SOLID WASTE	55,197.37	53,595.18
230	GENERAL PLAN UPDATE	(120,347.26)	(37,222.93)
231	SOUTH INDUSTRIAL SPECIFIC PLAN	-	(71,000.00)
235	CA FISH WILDLIFE RESTORATION GRANT	(9,026.72)	13,000.22
236	HOMELESS EMERGENCY AID PROGRAM (HEAP)	-	1,771.35
237	CARES ACT - COUNTY	475,060.75	-
239	AMERICAN RECOVERY ACT FUND	-	2,426,786.36
241	LOW/MODERATE HOUSING	281,004.65	117,953.58
242	HOME - CONSORTIUM	3,715.95	3,410.45
243	HOME LOAN REUSE	40,210.44	72,364.61
245	ECONOMIC DEVELOPMENT FUND	359,402.83	356,990.22
248	CAL HOME LOAN REUSE	84,577.79	107,575.79
252	BRIDLE RIDGE STREET MAINTENANCE	(61,519.37)	(23,968.30)
265	NEIGHBORHOOD STABILIZATION PROG	44,489.34	-
266	CDBG FUND -REUSE	103,948.66	108,217.04

CITY OF OAKDALE
TREASURERS REPORT
October 31, 2021

All Funds	October 2020	October 2021	
267	CDBG	12,789.22	(576,187.11)
268	ABANDONED VEHICLE ABATEMENT	145,366.27	148,846.12
270	EDUCATION / GOVERNMENT CTV	85,273.42	32,728.45
284	BRIDLE RIDGE LLD	(378,612.01)	(381,476.70)
285	BURCHELL HILL LLD	(30,713.23)	(55,451.83)
286	VINEYARD LLD	320,324.33	330,136.93
288	LIGHT & LANDSCAPE 2003-1	192,692.44	226,335.99
291	FIRE SERVICES CFD	(112,230.72)	(138,607.72)
292	PUBLIC SAFETY CFD	(54,618.71)	(78,271.48)
293	MAINTENANCE SERVICES CFD 2015-01	259,545.74	346,423.17
294	STREET REPLACEMENT FUND	-	461,000.00
316	SURFACE TRANSPORTATION GRANTS	(176,172.70)	(749,984.63)
317	ENERGY EFFICIENCY & CONSERVATION FUND	-	(1,123,389.72)
360	EAST F PLAN AREA FEE	(7,617.35)	(7,248.26)
465	2005 LEASE BONDS DEBT SERVICE	64,111.88	64,758.03
467	2015 PENSION DEBT SERVICE	72,039.71	184,436.15
510	DENTAL INSURANCE	80,847.40	85,895.65
512	EMPLOYEE FSA FUND	4,424.88	7,467.13
515	RISK MANAGEMENT	368,011.32	644,587.56
520	EMPLOYEE LIABILITY	937,004.97	984,857.23
525	INFORMATION TECHNOLOGY	67,459.07	237,476.61
530	VEHICLE MAINTENANCE	154,034.19	192,251.81
532	FIRE EQUIPMENT REPLACEMENT	969,818.95	420,650.46
535	PERS LIABILITY FUND	2,545,959.17	2,998,755.93
540	FACILITY MAINTENANCE FUND	2,032,997.52	2,181,379.63
542	EQUIPMENT REPLACEMENT	4,513.93	538.43
545	POLICE EQUIP REPLACEMENT	72,187.92	5,556.21
547	ANIMAL CONTROL EQUIP FUND-RIVERBANK	63,443.63	8,892.64
549	PARKS REPLACEMENT FUND	665,190.22	1,145,578.64
565	LLD MAINT SERVICES	60,795.57	60,261.29
620	SRF LOAN RESERVE	889,108.20	1,014,812.27
621	SEWER CAPITAL IMPROVEMENT	9,499,325.03	11,826,404.36
622	SEWER SANITATION	3,743,873.87	2,946,915.11
631	DOWN TOWN PARKING FUND	53,455.99	47,605.14
644	WATER CAPITAL REPLACEMENT	3,186,683.56	4,511,236.04
645	WATER	4,158,960.10	4,981,981.19
657	AVIATION FUND	20,698.32	89,671.80
658	AIRPORT CAPITAL IMPROVEMENT	(88,065.58)	(3,793.44)
659	AIRPORT CAPITAL REPLACEMENT	41,604.25	55,628.54
720	DEVELOPMENT ACTIVITY TRUST	173,896.78	224,624.45
722	SIERRA POINT PLAN	(71,155.26)	(71,155.26)
730	HERITAGE OAKS	17,897.88	-
740	BRIDLE RIDGE S. TRAIL DEP	1,128,607.29	1,139,770.42
741	CRANE/PATTERSON SIGNAL	206,689.46	208,733.85
742	ANIMAL CONTROL TRUST	46,984.37	54,904.77
743	K-9 UNIT TRUST FUND	520.85	1,228.47
744	SENIOR CENTER TRUST	4,209.18	3,615.01

**CITY OF OAKDALE
TREASURERS REPORT
October 31, 2021**

All Funds	October 2020	October 2021
745 POLICE RANGE TRUST	46,577.91	72,074.54
746 SENIOR OUTREACH TRUST	66,513.61	64,443.84
747 POLICE EQUESTRIAN UNIT	1,011.78	1,011.78
769 SENIOR HOUSING FUND	20,836.32	21,042.40
784 G & J STREET BOND	-	-
790 BRIDLE RIDGE CFD 2003-2	69,615.76	72,635.69
791 BRIDLE RIDGE CFD 2004-1	15,116.36	15,510.44
792 BRIDLERIDGE CFD 2005-1	41,663.00	41,517.02
799 REFUSE COLLECTION	181,777.82	188,465.17
REDEVELOPMENT AGENCY	2,183,180.15	1,611,394.45
DEVELOPER IMPACT FEES	8,321,278.73	9,536,922.55
	51,073,477.42	57,339,363.13

All Funds	October 2020	October 2021
BREAK DOWN OF REDEVELOPMENT AGENCY ***		
363 RDA SUCCESSOR AGENCY	(11,789.19)	43,425.54
460 REDEVELOPMENT DEBT SERVICE	2,194,969.34	1,567,968.91
	2,183,180.15	1,611,394.45

BREAKDOWN OF IMPACT FEES ***		
343 SYSTEM DEV-PARKS	4,232,029.62	4,806,814.81
344 SYSTEM DEV-STREETS	(334,316.98)	(192,458.91)
349 SYSTEM DEV -STORM DRN	345,690.62	113,768.66
354 SYS DEV - ADMINISTRATION	122,685.48	141,031.95
355 SYSTEM DEV - FIRE	(675,928.29)	(598,858.29)
356 SYSTEM DEV - POLICE	75,510.04	134,828.30
357 SYSTEM DEV - GEN GOVT	771,194.71	711,553.83
623 SYSTEM DEV - SEWER	1,032,426.67	1,165,493.78
646 SYSTEM DEV - WATER	2,751,986.86	3,254,748.42
	8,321,278.73	9,536,922.55

LOANS TO REDEVELOPMENT AGENCY		
542 EQUIPMENT REPLACEMENT	56,250.81	56,250.81
343 SYSTEM DEVELOP - PARKS	235,280.09	225,380.09
349 SYSTEM DEV STORM DRN-OLD	223,993.60	223,993.60
646 WATER CAPITAL FACILITIES	450,760.32	450,760.32
	966,284.82	956,384.82



OAK VALLEY COMMUNITY BANK
 MAIN OFFICE/OAKDALE
 125 N THIRD AVE
 OAKDALE CA 95361
 (209) 848-2265

CITY OF OAKDALE
 FLEXIBLE SPENDING ACCOUNT
 280 N 3RD AVE
 OAKDALE CA 95361-3042

ACCOUNT NUMBER: [REDACTED] 720
 STATEMENT DATE: 10/29/21
 PAGE: 1 OF 1

WEB SITE: www.ovcb.com
 www.escbank.com
 TOLL FREE NUMBER: 866-844-7500

ECONOMY CHECKING-PUBLIC

CITY OF OAKDALE
 FLEXIBLE SPENDING ACCOUNT

Acct [REDACTED] 720

Beginning Balance	10/01/21	7,050.37	
Deposits / Misc Credits	3	1,763.10	
Withdrawals / Misc Debits	0	.00	
** Ending Balance	10/31/21	8,813.47	**
Service Charge		.00	

DEPOSITS/CREDITS

Date	Deposits	Withdrawals	Activity Description
10/01	587.70		CITY OF OAKDALE/PRS100121
10/15	587.70		CITY OF OAKDALE/PRS101521
10/29	587.70		CITY OF OAKDALE/PRS102921

DAILY BALANCE SUMMARY

Date	Balance	Date	Balance	Date	Balance
10/01	7,638.07	10/15	8,225.77	10/29	8,813.47





OAK VALLEY COMMUNITY BANK
 MAIN OFFICE/OAKDALE
 125 N THIRD AVE
 OAKDALE CA 95361
 (209) 848-2265

CITY OF OAKDALE
 280 N 3RD AVE
 OAKDALE CA 95361-3042

ACCOUNT NUMBER: [REDACTED] 689
 STATEMENT DATE: 10/29/21
 PAGE: 1 OF 2

WEB SITE: www.ovcb.com
 www.escbank.com
 TOLL FREE NUMBER: 866-844-7500

OAK TREE CHECKING-PUBLIC CITY OF OAKDALE Acct [REDACTED] 689

Beginning Balance	10/01/21	6,669,245.24	
Deposits / Misc Credits	12	2,318,163.86	
Withdrawals / Misc Debits	9	2,245,139.97	
** Ending Balance	10/31/21	6,742,269.13	**
Service Charge		.00	

Interest Paid Thru 10/31/21 979.23
 Interest Paid Year To Date 26,611.78
 Minimum Balance 6,228,236

DEPOSITS/CREDITS

Date	Deposits	Withdrawals	Activity Description
10/06	30,635.82		Trnsfr from Checking Acct Ending in 9479
10/08	960,102.44		Trnsfr from Checking Acct Ending in 9479
10/13	30,546.04		Trnsfr from Checking Acct Ending in 9479
10/18	81,700.75		Trnsfr from Checking Acct Ending in 9479
10/19	173,792.92		Trnsfr from Checking Acct Ending in 9479
10/20	81,228.21		Trnsfr from Checking Acct Ending in 9479
10/21	119,510.58		Trnsfr from Checking Acct Ending in 9479
10/22	129,338.12		Trnsfr from Checking Acct Ending in 9479
10/25	648,082.74		Trnsfr from Checking Acct Ending in 9479
10/26	56,612.05		Trnsfr from Checking Acct Ending in 9479
10/27	5,634.96		Trnsfr from Checking Acct Ending in 9479
10/29	979.23		INTEREST EARNED

OTHER WITHDRAWALS/DEBITS

Date	Deposits	Withdrawals	Activity Description
10/01		225,545.83	Trnsfr to Checking Acct Ending in 9479
10/04		45,558.83	Trnsfr to Checking Acct Ending in 9479
10/05		8,615.11	Trnsfr to Checking Acct Ending in 9479
10/07		19,946.73	Trnsfr to Checking Acct Ending in 9479
10/12		508,293.78	Trnsfr to Checking Acct Ending in 9479
10/14		71,697.14	Trnsfr to Checking Acct Ending in 9479



OAK VALLEY COMMUNITY BANK
 MAIN OFFICE/OAKDALE
 125 N THIRD AVE
 OAKDALE CA 95361
 (209)848-2265

CITY OF OAKDALE

ACCOUNT NUMBER: [REDACTED] 689
 STATEMENT DATE: 10/29/21
 PAGE: 2 OF 2

WEB SITE: www.ovcb.com
 www.escbank.com
 TOLL FREE PHONE: 866-844-7500

-- ACCOUNT CONTINUED --

OTHER WITHDRAWALS/DEBITS

Date	Deposits	Withdrawals	Activity Description
10/15		582,635.44	Trnsfr to Checking Acct Ending in 9479
10/28		620,242.80	Trnsfr to Checking Acct Ending in 9479
10/29		162,604.31	Trnsfr to Checking Acct Ending in 9479

DAILY BALANCE SUMMARY

Date	Balance	Date	Balance	Date	Balance
10/01	6,443,699.41	10/13	6,882,569.26	10/22	6,813,807.26
10/04	6,398,140.58	10/14	6,810,872.12	10/25	7,461,890.00
10/05	6,389,525.47	10/15	6,228,236.68	10/26	7,518,502.05
10/06	6,420,161.29	10/18	6,309,937.43	10/27	7,524,137.01
10/07	6,400,214.56	10/19	6,483,730.35	10/28	6,903,894.21
10/08	7,360,317.00	10/20	6,564,958.56	10/29	6,742,269.13
10/12	6,852,023.22	10/21	6,684,469.14		

OAK VALLEY COMMUNITY BANK



OAK VALLEY COMMUNITY BANK
 MAIN OFFICE/OAKDALE
 125 N THIRD AVE
 OAKDALE CA 95361
 (209) 848-2265

CITY OF OAKDALE
 UTILITY ACCOUNT
 280 N 3RD AVE
 OAKDALE CA 95361-3042

ACCOUNT NUMBER: [REDACTED] 487
 STATEMENT DATE: 10/29/21
 PAGE: 1 OF 1

WEB SITE: www.ovcb.com
 www.escbank.com
 TOLL FREE NUMBER: 866-844-7500

ECONOMY CHECKING-PUBLIC

CITY OF OAKDALE
 UTILITY ACCOUNT

Acct [REDACTED] 487

Beginning Balance	10/01/21	1,130.48	
Deposits / Misc Credits	2	145,366.34	
Withdrawals / Misc Debits	2	489.73	
** Ending Balance	10/31/21	146,007.09	**
Service Charge		.00	

DEPOSITS/CREDITS

Date	Deposits	Withdrawals	Activity Description
10/13	542.67		CITY OF OAKDALE/octhngr
10/25	144,823.67		CITY OF OAKDALE/octach

OTHER WITHDRAWALS/DEBITS

Date	Deposits	Withdrawals	Activity Description
10/27		110.49	RETURN ACH ORIGINATED ENTRY-MARTIN & MEL
10/28		379.24	RETURN ACH ORIGINATED ENTRY-DAVID PACE

DAILY BALANCE SUMMARY

Date	Balance	Date	Balance	Date	Balance
10/13	1,673.15	10/27	146,386.33	10/28	146,007.09
10/25	146,496.82				



California State Treasurer
Fiona Ma, CPA



Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001
(916) 653-3001

November 01, 2021

[LAIF Home](#)
[PMIA Average Monthly Yields](#)

CITY OF OAKDALE

DIRECTOR OF FINANCE
280 NORTH THIRD AVENUE
OAKDALE, CA 95361

[Tran Type Definitions](#)

Account Number: ██████████594

October 2021 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Web Confirm Number	Authorized Caller	Amount
10/15/2021	10/14/2021	QRD	1688676	N/A	SYSTEM	3,886.28

Account Summary

Total Deposit:	3,886.28	Beginning Balance:	6,382,183.99
Total Withdrawal:	0.00	Ending Balance:	6,386,070.27



City of Oakdale - Account # [REDACTED]

MONTHLY ACCOUNT STATEMENT

OCTOBER 1, 2021 THROUGH OCTOBER 31, 2021

Chandler Team:

For questions about your account, please call (800) 317-4747,
or contact operations@chandlerasset.com

Custodian

Bank of New York Mellon
Lauren Dehner
(904) 645-1918

CHANDLER ASSET MANAGEMENT
chandlerasset.com

Information contained herein is confidential. We urge you to compare this statement to the one you receive from your qualified custodian. Please see Important Disclosures.



PORTFOLIO CHARACTERISTICS

Average Modified Duration	0.00
Average Coupon	0.00%
Average Purchase YTM	0.00%
Average Market YTM	0.00%
Average S&P/Moody Rating	NR/NR
Average Final Maturity	0.00 yrs
Average Life	0.00 yrs

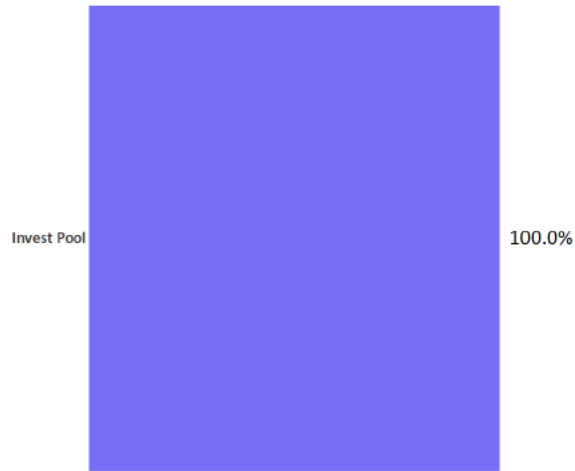
ACCOUNT SUMMARY

	Beg. Values as of 9/30/21	End Values as of 10/31/21
Market Value	41,793,536	41,593,044
Accrued Interest	41,428	40,348
Total Market Value	41,834,964	41,633,392
Income Earned	41,428	40,348
Cont/WD		0
Par	3,838,680	3,842,485
Book Value	41,320,889	41,362,317
Cost Value	41,320,889	41,362,317

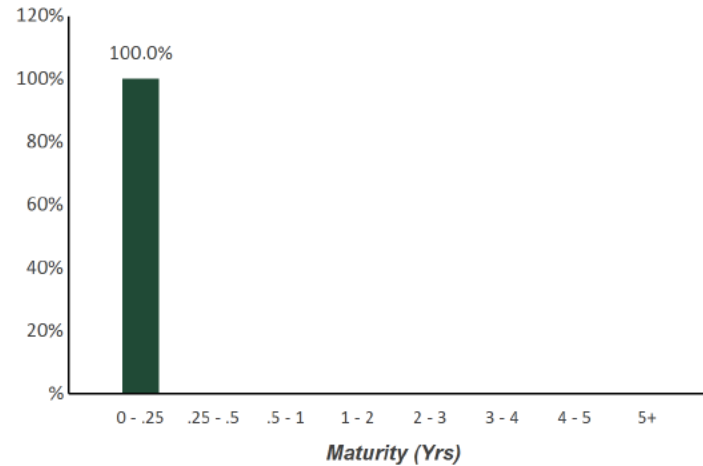
TOP ISSUERS

CSJVRMA Investment Pool	100.0%
Total	100.0%

SECTOR ALLOCATION



MATURITY DISTRIBUTION



CREDIT QUALITY (S&P)



PERFORMANCE REVIEW

TOTAL RATE OF RETURN	1M	3M	YTD	1YR	Annualized				
					2YRS	3YRS	5YRS	10YRS	4/30/2014
City of Oakdale	-0.48%	-0.81%	-0.82%	-0.55%	1.81%	3.11%	1.94%	N/A	1.78%
ICE BofA 1-5 Yr US Treasury & Agency Index	-0.46%	-0.80%	-0.86%	-0.72%	1.67%	3.02%	1.75%	N/A	1.66%
ICE BofA 1-5 Yr AAA-A US Corp & Govt Index	-0.46%	-0.80%	-0.83%	-0.63%	1.77%	3.14%	1.86%	N/A	1.77%

Holdings Report

As of October 31, 2021



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
INVESTMENT POOL									
99CAMBX\$1	CSJVRMA Inv Pool Investment Pool	3,842,484.70	Various 0.00%	41,362,316.80 41,362,316.80	10.82 0.00%	41,593,043.99 40,347.93	100.00% 230,727.19	NR / NR NR	0.00 0.00
Total Investment Pool		3,842,484.70	0.00%	41,362,316.80 41,362,316.80	0.00%	41,593,043.99 40,347.93	100.00% 230,727.19	NR / NR NR	0.00 0.00
TOTAL PORTFOLIO		3,842,484.70	0.00%	41,362,316.80 41,362,316.80	0.00%	41,593,043.99 40,347.93	100.00% 230,727.19	NR / NR NR	0.00 0.00
TOTAL MARKET VALUE PLUS ACCRUED						41,633,391.92			



Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Purchase	10/01/2021	99CAMBX\$1	3,805.07	CSJVRMA Inv Pool Investment Pool	10.887		41,427.57	0.00	41,427.57	0.00
Subtotal			3,805.07				41,427.57	0.00	41,427.57	0.00
TOTAL ACQUISITIONS			3,805.07				41,427.57	0.00	41,427.57	0.00
OTHER TRANSACTIONS										
Dividend	10/01/2021	99CAMBX\$1	7,677,359.26	CSJVRMA Inv Pool Investment Pool	0.000		41,427.57	0.00	41,427.57	0.00
Subtotal			7,677,359.26				41,427.57	0.00	41,427.57	0.00
TOTAL OTHER TRANSACTIONS			7,677,359.26				41,427.57	0.00	41,427.57	0.00

Income Earned

As of October 31, 2021



CUSIP	Security Description	Trade Date Settle Date Units	Book Value: Begin Book Value: Acq Book Value: Disp Book Value: End	Prior Accrued Inc. Received Ending Accrued Total Interest	Accr. Of Discount Amort. Of Premium Net Accret/Amort Income Earned	Total Income
INVESTMENT POOL						
99CAMBX\$1	CSJVRMA Inv Pool Investment Pool	Various Various 3,842,484.70	41,320,889.23 41,427.57 0.00 41,362,316.80	41,427.61 41,427.57 40,347.93 40,347.89	0.00 0.00 0.00 40,347.89	40,347.89
Total Investment Pool			41,320,889.23 41,427.57 0.00 41,362,316.80	41,427.61 41,427.57 40,347.93 40,347.89	0.00 0.00 0.00 40,347.89	40,347.89
TOTAL PORTFOLIO			41,320,889.23 41,427.57 0.00 41,362,316.80	41,427.61 41,427.57 40,347.93 40,347.89	0.00 0.00 0.00 40,347.89	40,347.89

Cash Flow Report

As of October 31, 2021



Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
11/01/2021	Dividend	99CAMBX\$1	7,684,969.40	CSJVRMA Inv Pool Investment Pool	0.00	40,347.82	40,347.82
NOV 2021					0.00	40,347.82	40,347.82
TOTAL					0.00	40,347.82	40,347.82



Chandler Asset Management, Inc. ("Chandler") is an SEC registered investment adviser. For additional information about our firm, please see our current disclosures (Form ADV). To obtain a copy of our current disclosures, you may contact your client service representative by calling the number on the front of this statement or you may visit our website at www.chandlerasset.com.

Information contained in this monthly statement is confidential and is provided for informational purposes only and should not be construed as specific investment or legal advice. The information contained herein was obtained from sources believed to be reliable as of the date of this statement, but may become outdated or superseded at any time without notice.

Custody: Your qualified custodian bank maintains control of all assets reflected in this statement and we urge you to compare this statement to the one you receive from your qualified custodian. Chandler does not have any authority to withdraw or deposit funds from/to the custodian account.

Valuation: Prices are provided by IDC, an independent pricing source. In the event IDC does not provide a price or if the price provided is not reflective of fair market value, Chandler will obtain pricing from an alternative approved third party pricing source in accordance with our written valuation policy and procedures. Our valuation procedures are also disclosed in Item 5 of our Form ADV Part 2A.

Performance: Performance results are presented gross-of-advisory fees and represent the client's Total Return. The deduction of advisory fees lowers performance results. These results include the reinvestment of dividends and other earnings. Past performance may not be indicative of future results. Therefore, clients should not assume that future performance of any specific investment or investment strategy will be profitable or equal to past performance levels. All investment strategies have the potential for profit or loss. Economic factors, market conditions or changes in investment strategies, contributions or withdrawals may materially alter the performance and results of your portfolio.

Source ice Data Indices, LLC ("ICE"), used with permission. ICE PERMITS USE OF THE ICE INDICES AND RELATED DATA ON AN "AS IS" BASIS; ICE, ITS AFFILIATES AND THEIR RESPECTIVE THIRD PARTY SUPPLIERS DISCLAIM ANY AND ALL WARRANTIES AND REPRESENTATIONS, EXPRESS AND/OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, INCLUDING THE INDICES, INDEX DATA AND ANY DATA INCLUDED IN, RELATED TO, OR DERIVED THEREFROM. NEITHER ICE DATA, ITS AFFILIATES OR THEIR RESPECTIVE THIRD PARTY PROVIDERS GUARANTEE THE QUALITY, ADEQUACY, ACCURACY, TIMELINESS OR COMPLETENESS OF THE INDICES OR THE INDEX DATA OR ANY COMPONENT THEREOF, AND THE INDICES AND INDEX DATA AND ALL COMPONENTS THEREOF ARE PROVIDED ON AN "AS IS" BASIS AND LICENSEE'S USE IS AT LICENSEE'S OWN RISK. ICE DATA, ITS AFFILIATES AND THEIR RESPECTIVE THIRD PARTY DO NOT SPONSOR, ENDORSE, OR RECOMMEND CHANDLER, OR ANY OF ITS PRODUCTS OR SERVICES.

Index returns assume reinvestment of all distributions. Historical performance results for investment indexes generally do not reflect the deduction of transaction and/or custodial charges or the deduction of an investment management fee, the incurrence of which would have the effect of decreasing historical performance results. It is not possible to invest directly in an index.

Ratings: Ratings information have been provided by Moody's, S&P and Fitch through data feeds we believe to be reliable as of the date of this statement, however we cannot guarantee its accuracy.

Security level ratings for U.S. Agency issued mortgage-backed securities ("MBS") reflect the issuer rating because the securities themselves are not rated. The issuing U.S. Agency guarantees the full and timely payment of both principal and interest and carries a AA+/Aaa/AAA by S&P, Moody's and Fitch respectively.



Benchmark Index	Disclosure
ICE BofA 1-5 Yr US Treasury & Agency Index	The ICE BofA 1-5 Year US Treasury & Agency Index tracks the performance of US dollar denominated US Treasury and nonsubordinated US agency debt issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch). Qualifying securities must have at least one year remaining term to final maturity and less than five years remaining term to final maturity, at least 18 months to maturity at time of issuance, a fixed coupon schedule, and a minimum amount outstanding of \$1 billion for sovereigns and \$250 million for agencies.
ICE BofA 1-5 Yr AAA-A US Corp & Govt Index	The ICE BofA US 1-5 Year AAA-A US Corporate & Government Index tracks the performance of US dollar denominated investment grade debt publicly issued in the US domestic market, including US Treasury, US agency, foreign government, supranational, and corporate securities. Qualifying securities must be issued from US issuers and be rated AAA through A3 (based on an average of Moody's, S&P and Fitch). In addition, qualifying securities must have at least one year remaining term to final maturity and less than five years remaining term to final maturity, at least 18 months to final maturity at point of issuance, a fixed coupon schedule, and a minimum amount outstanding of \$1 billion for US Treasuries and \$250 million for all other securities.



City of Oakdale
City Council Staff Report

Date: December 20, 2021
To: Mayor and Members of the City Council
From: Bryan Whitemyer, City Manager

Subject: Consider Approving a Consultant Services Agreement with Cramer Fish Sciences in the amount of \$334,000 to complete Phase II of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area and Authorize the City Manager to Execute Agreement.

I. BACKGROUND

On July 19, 2021 the City Council for the City of Oakdale directed City staff to execute a grant agreement with the U.S. Fish and Wildlife Service for Phase II of the Salmonid Habitat Restoration Project at the Stanley Wakefield Wilderness Area. The City was awarded \$359,000 for this effort.

The City of Oakdale partnered with Cramer Fish Sciences to complete Phase I of the project. During Phase I Cramer Fish Sciences (CFS) developed 100% engineering final design plan set. City staff recommends that the City utilize the services of Cramer Fish Sciences to complete Phase II of the project. Phase II will focus on (1) completing the environmental permitting process, (2) design revisions based on permitting restrictions or requirements, (3) targeted outreach, (4) pre-construction monitoring, (5) apply for implementation funding, and (6) project management. Completion of Phase II will ultimately prepare the project for Phase III - Implementation.

The City needs to enter into a new consultant services agreement with CFS in order for them to begin working on this project.

II. FISCAL IMPACTS

The U.S. Fish and Wildlife Service grant for Phase II of the River Restoration Project provides funding to complete required environmental permitting and compliance as well additional public outreach. The grant amount will be \$359,000 and no General Fund monies will be needed to complete Phase II of the River Restoration Project.

Under this grant \$25,000 will be available to the City to cover cost it incurs in administering this grant. The proposed agreement with CFS will be in the amount of \$334,000. The CFS cost breakdown is as follows:

TASK	LABOR	EXPENSES	TOTAL
Task 1 – Permitting	\$120,026	\$43,000	\$163,026
Task 2 – Design Revisions	\$33,194	\$0	\$33,194
Task 3 – Outreach	\$16,459	\$1,000	\$17,459
Task 4 – Monitoring	\$57,792	\$11,681	\$69,473
Task 5 – Implementation	\$31,080	\$0	\$31,080
Task 6 – Project Management	\$19,768	\$0	\$19,768
			\$334,000



CITY OF OAKDALE
City Council Staff Report

III. RECOMMENDATION

City staff recommends that the City Council approve a Consultant Services Agreement with Cramer Fish Sciences in the amount of \$334,000 to complete Phase II of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area and authorize the City Manager to execute agreement.

ATTACHMENTS:

ATTACHMENT A: RESOLUTION 2021-XXX

EXHIBIT 1: CONSULTANT SERVICES AGREEMENT



IN THE CITY COUNCIL
OF THE CITY OF OAKDALE
STATE OF CALIFORNIA
CITY COUNCIL RESOLUTION 2021-___

**A RESOLUTION OF THE CITY OF OAKDALE CITY COUNCIL APPROVING A
CONSULTANT SERVICES AGREEMENT WITH CRAMER FISH SCIENCES IN THE
AMOUNT OF \$334,000 TO COMPLETE PHASE II OF THE STANISLAUS RIVER
SALMONID HABITAT RESTORATION PROJECT AT STANLEY WAKEFIELD
WILDERNESS AREA AND AUTHORIZE THE CITY MANAGER TO EXECUTE
AGREEMENT**

WHEREAS, on July 19, 2021 the City Council for the City of Oakdale directed City staff to execute a grant agreement with the U.S. Fish and Wildlife Service for Phase II of the Salmonid Habitat Restoration Project at the Stanley Wakefield Wilderness Area and the City was awarded \$359,000 for this effort; and

WHEREAS, the City of Oakdale partnered with Cramer Fish Sciences to complete Phase I of the project and during Phase I Cramer Fish Sciences (CFS) developed 100% engineering final design plan set; and

WHEREAS, City staff recommends that the City utilize the services of Cramer Fish Sciences to complete Phase II of the project; and

WHEREAS, phase II will focus on (1) completing the environmental permitting process, (2) design revisions based on permitting restrictions or requirements, (3) targeted outreach, (4) pre-construction monitoring, (5) apply for implementation funding, and (6) project management. Completion of Phase II will ultimately prepare the project for Phase III – Implementation; and

NOW, THEREFORE, BE IT RESOLVED that the City Council hereby approves a Consultant Services Agreement (Exhibit 1) with Cramer Fish Sciences in the amount of \$334,000 to complete Phase II of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area and authorizes the City Manager to execute agreement.



CITY OF OAKDALE
City Council Resolution 2021-XX

**THE FOREGOING RESOLUTION IS HEREBY PASSED AND ADOPTED THIS 20TH
DAY OF DECEMBER, 2021, by the following vote:**

AYES:	COUNCIL MEMBERS:	(0)
NOES:	COUNCIL MEMBERS: None	(0)
ABSENT:	COUNCIL MEMBERS: None	(0)
ABSTAINED:	COUNCIL MEMBERS: None	(0)

Cherilyn Bairos, Mayor

ATTEST:

Rouze Roberts
City Clerk

CONSULTANT SERVICES AGREEMENT

THIS CONSULTANT SERVICES AGREEMENT (“Agreement”) is made and entered into as of December 20, 2021 (“Effective Date”), by and between the City of Oakdale, a California municipal corporation (“City”), and S.P. Cramer and Associates, Inc. (DBA Cramer Fish Sciences), an Oregon corporation (“Consultant”). City and Consultant are herein individually referred to as “Party” and collectively as the “Parties”. There are no other parties to this Agreement.

RECITALS

A. City has determined that professional services are needed in connection with the Stanislaus River Salmonid Habitat Restoration Project Phase II at Stanley Wakefield Wilderness Area funded through the Central Valley Project Improvement Act—U.S. Fish and Wildlife Service Restoration Activities (Pub. L. 102-575, §3406(b)(16), 106 Stat. 4714 and 4719).

B. Consultant represents to City that it is duly qualified and licensed to provide services for the Project. A description of the services and the compensation for the services Consultant proposes to provide, is attached hereto as **Exhibit A** (“Services”).

C. City desires to retain Consultant to perform the Services, subject to the terms and conditions set forth in this Agreement and the attached exhibits, incorporated hereto.

NOW, THEREFORE, in consideration of the promises and covenants set forth below, the Parties agree as follows:

AGREEMENT

Section 1. Recitals. The recitals set forth above (“Recitals”) are true and correct and are hereby incorporated into and made part of this Agreement by this reference. In the event of any inconsistency between the Recitals and Section 1 through 30 of this Agreement, Sections 1 through 30 shall control.

Section 2. Term. The term of this Agreement shall begin on the Effective Date. The term may be extended for additional periods of time by the written consent of the parties.

Section 3. Compensation. City shall pay Consultant according to the rates and timing set forth in the Services. Total compensation to Consultant for performance of the Services shall not exceed \$334,000.00 (“Compensation”), unless the Parties mutually agree in writing otherwise. Consultant shall provide City with monthly invoices sufficiently evidencing Consultant’s expenses and completion of the Services. Consultant shall submit invoices for the Services to City within forty-five (45) days of the performance of such Services. City shall issue payment according to City’s

customary procedures and practices for issuing payments to independent contractors and subject to receipt of reimbursement from grant funds by the U.S Department of the Interior.

Section 4. Work.

4.1. Services. Subject to the terms and conditions set forth in this Agreement, Consultant shall perform the Services described in Exhibit A. Any request for Services not included in Exhibit A will be considered a request for additional or modified Services (“Modification” or “Modifications”). Consultant shall not receive additional Compensation for any Modifications unless the Parties agree otherwise in a writing executed by both Parties.

4.2. Scope of Work. Consultant shall provide all labor, equipment, material and supplies required or necessary to properly, competently and completely perform the Services. Consultant shall determine the method, details, and means of completing the Services.

4.3. City Requested Modification of Services. City may, by written order, authorize Modifications. If such Modifications cause an increase in the cost or time required for performance of Consultant’s Services, the Parties shall enter into a written amendment to this Agreement to adjust the Services and the Compensation to be paid to Consultant, if necessary.

4.4. Consultant Requested Modification in Services. Consultant shall not be compensated for work outside the Services, unless prior to the commencement of the Services: (a) Consultant notifies City prior to commencing any additional work that is not included within the Services; (b) City agrees that performance of the additional work is necessary and requires a Modification to this Agreement; and (c) the Parties execute a written amendment to this Agreement describing any Modification.

Section 5. Notice to Proceed . Consultant shall not commence performance of the Services until it has been given notice by City (“Notice to Proceed”).

Section 6. Time of Performance. Consultant warrants that it will commence performance of the Services as of the Effective Date and shall conform to the **Project Period** set forth by the U.S. Fish and Wildlife Service to City in **Exhibit B** (“Notice of Award”). The time of performance is a material term of this Agreement relied on by City in entering into this Agreement.

Section 7. City Assistance to Consultant. Consultant shall, at its sole cost and expense, furnish all facilities, equipment, materials, information, personnel, and administrative assistance which may be required to perform its obligations under this Agreement. Notwithstanding the foregoing, City shall cooperate with Consultant and shall not actively interfere with Consultant’s performance of Services under this Agreement.

Section 8. Performance by Qualified Personnel; No Subcontracting. Services under this Agreement shall be performed only by competent personnel under the supervision and direct

employment of Consultant. For the purposes of this Agreement, Consultant includes Philip Lueking, PE as an employee of Cramer Fish Sciences. Consultant will conform with City's

reasonable requests regarding assignment of personnel, but all personnel, including those assigned at City's request, shall be supervised by Consultant. Consultant is prohibited from subcontracting pursuant to this Agreement, or any part of it, unless such subcontracting is expressly approved by the City in writing. Neither Party shall, on the basis of this Agreement, contract on behalf of or in the name of the other Party. An agreement made in violation of this provision shall confer no rights on any Party and shall be null and void.

Section 9. Conformity with Law and Safety . Consultant shall observe and comply with all applicable laws, ordinances, codes and regulations of governmental agencies, including federal, state, municipal, and local governing bodies having jurisdiction over any or all of the scope of Services, including all provisions of the Occupational Safety and Health Act of 1979 as amended, all California Occupational Safety and Health Regulations, the California Building Code, the American with Disabilities Act, any copyright, patent or trademark law, and all other applicable federal, state, municipal and local safety regulations, appropriate trade association safety standards, and appropriate equipment manufacturer instructions. All Services performed by Consultant must be in accordance with these laws, ordinances, codes, and regulations. Consultant's failure to comply with any laws, ordinances, codes or regulations applicable to the performance of the Services hereunder shall constitute a breach of contract. In cases where standards conflict, the standard providing the highest degree of protection shall prevail. If Consultant cannot reasonably ascertain which standard provides the highest degree of protection, Consultant shall confer with City. Consultant shall not be liable for any recommendation made by City to the extent such recommendation is consistent with the standard of care set forth in section 11.2 herein.

If a death, serious personal injury, or substantial property damage occurs in connection with the performance of this Agreement, upon discovery of such, Consultant shall immediately notify the City's risk manager by telephone. If any accident occurs in connection with this Agreement, Consultant, to the extent Consultant observes or becomes aware of such, shall promptly submit a written report to City, in such form as the City may require. This report shall include the following information: (a) name and address of the injured or deceased person(s); (b) name and address of Consultant's subcontractor, if any; (c) name and address of Consultant's liability insurance carrier; and (d) a detailed description of the accident, including whether any of City's equipment, tools or materials were involved.

If a release of a hazardous material, substance, or waste occurs in connection with the performance of this Agreement, Consultant, to the extent Consultant observes or becomes aware of such, shall immediately notify City. Consultant shall not store hazardous materials or hazardous waste within the City limits without a proper permit from City.

Section 10. Representations of Consultant. City relies upon the following representations by Consultant in entering into this Agreement:

10.1 Qualifications. Consultant represents that it is qualified to perform the Services and that it possesses the necessary licenses, permits, or approvals required to perform the Services, or will obtain such licenses, permits, or approvals prior to the time such licenses, permits, or approvals are required. Consultant shall also ensure that all subcontractors are similarly licensed and qualified. Consultant represents and warrants to City that Consultant shall, at Consultant's sole cost and expense, keep in effect, or obtain at all times during the Term of this Agreement, any licenses, permits, and approvals which are legally required for Consultant to practice Consultant's profession at the time the Services are rendered.

10.2 Consultant Performance. Consultant represents and warrants that all Services under this Agreement shall be performed in a Consultant manner and shall conform to the customs and standards of practice observed on similar, successfully completed projects by duly licensed and qualified consultants in the Services to be provided. Consultant shall adhere to accepted consultant standards as set forth by relevant consultant associations and shall perform all Services required under this Agreement in a manner consistent with generally accepted consultant customs, procedures, and standards for such Services. Consultant agrees that, if a Service is not so performed, in addition to all of its obligations under this Agreement and at law, Consultant shall re-perform or replace unsatisfactory Service at no additional expense to City.

10.3 No Waiver of Claims. The granting of any progress payment by City, or the receipt thereof by Consultant, or any inspection, review, approval, or oral statement by any representative of City, or state certification, shall not, in any way, waive, limit, or replace any certification or approval procedures normally required or lessen the liability of Consultant to re-perform or replace unsatisfactory Service, including, but not limited to, cases where the unsatisfactory character of such Service may not have been apparent or detected at the time of such payment, inspection, review or approval.

10.4 City's Remedies are Cumulative. Nothing in this section shall constitute a waiver or limitation of any right or remedy, whether in equity or at law, which City or Consultant may have under this Agreement or any applicable law. All rights and remedies of City, whether under this Agreement or applicable law, shall be cumulative.

10.5 No Conflict of Interest. Consultant represents that no conflict of interest will be created under state or federal law by entering into or in carrying out this Agreement.

Section 11. Confidentiality. Consultant understands and agrees that, in the performance of Services under this Agreement or in the contemplation thereof, Consultant may have access to private or confidential information that may be owned or controlled by City and that such

information may contain proprietary or confidential details, the disclosure of which to third parties may be damaging to City (“Confidential Information”).

Consultant shall not, either during or after the Term, disclose to any third party any Confidential Information without the prior written consent of City. If City gives Consultant written authorization to make any such disclosure, Consultant shall do so only within the limits and to the extent of that authorization. Consultant may be directed or advised by the City Attorney on various matters relating to the performance of the Services on the Project or on other matters pertaining to the Project, and in such event, Consultant agrees that it will treat all communications between itself, its employees, and its subcontractors as being communications which are within the attorney-client privilege.

Section 12. Excusable Delays; Notice to Other Party of Delay. Consultant shall not be in breach of this Agreement in the event the performance of Services is temporarily interrupted or discontinued due to a “Force Majeure” event which is defined as: riots, wars, sabotage, civil disturbances, insurrections, explosion, natural disasters such as floods, earthquakes, landslides, fires, strikes, lockouts and other labor disturbances or other catastrophic events, which are beyond the reasonable control of Consultant. Force Majeure does not include: (a) Consultant’s financial inability to perform; (b) Consultant’s failure to obtain any necessary permits or licenses from other governmental agencies; or (c) Consultant’s failure to obtain the right to use the facilities of any public utility where such failure is due solely to the acts or omissions of the Consultant.

Section 13. Assignment Prohibited. No Party to this Agreement may assign any right or obligation pursuant to this Agreement. Any attempt or purported assignment of any right or obligation pursuant to this Agreement shall be void and of no effect.

Section 14. Independent Contractor. At all times during the Term, Consultant shall be deemed to be an independent contractor and shall be wholly responsible for the manner in which Consultant performs the services required under this Agreement. Consultant shall be liable for its acts and omissions, and those of its employees, contractors, subcontractors, representatives, volunteers, and its agents. Nothing contained herein shall be construed as creating an employment, agency or partnership relationship between City and Consultant. City shall have the right to control Consultant only insofar as the result of Consultant’s services rendered pursuant to this Agreement; however, City shall not have the right to control the means by which Consultant accomplishes Services rendered pursuant to this Agreement.

Section 15. Suspension of Services by City. City reserves the right to suspend Consultant's Services under this Agreement when City determines that it is necessary to do so. When possible, City shall give Consultant notice of such suspension and Consultant shall, upon receipt of said notice, suspend all Services except any Services, the completion of which is authorized by the notice given by City. If the Services are suspended by City for more than sixty (60) consecutive days, for reasons other than the fault of Consultant, Consultant shall be compensated for Services

performed prior to notice of such suspension, as well as authorized reimbursable expenses under this Agreement. When the Project is resumed, Consultant's compensation shall be equitably adjusted by the City to provide for expenses incurred by the interruption of the Services. In this regard, Consultant shall furnish to City such financial information, as in the judgment of the City Manager, as necessary to determine the reasonable value of the Services rendered by Consultant during the period when Services were suspended.

If the Parties are unable to agree upon the amount of extra compensation which is due to Consultant within thirty (30) days of Consultant resuming Services, the amount of such additional compensation, if any, that is required to appropriately compensate the Consultant for its expenses incurred by the interruption of Services may be determined by arbitration conducted in accordance with this Agreement. Such arbitration shall be commenced by Consultant no later than sixty (60) days following the event, which entitles the Parties to pursue arbitration unless the Parties agree in writing to an extended time period for commencement of arbitration. Unless otherwise agreed in writing, all Parties shall carry on the Services and perform their duties during any arbitration proceedings, and City shall continue to make payments for the Services in progress as required by this Agreement.

Section 16. Ownership of Work Product . Any and all work, artwork, copy, posters, billboards, photographs, videotapes, audiotapes, systems designs, software, reports, designs, specifications, drawings, diagrams, surveys, source codes, consultant or technical information or data, photographs, notes, letters, emails or any original works of authorship created by Consultant or its subcontractors, or subcontractors in connection with Services performed under this Agreement (“Products”), shall be, upon payment to Consultant, the property of City including any and all Products deemed works for hire or copyrights under title 17 of the United States Code. In the event it is ever determined that any Product created by Consultant or its subcontractors, or subcontractors under this Agreement, are not works for hire under U.S. law, Consultant hereby assigns all copyrights to such Products to City. With the prior written approval of City's point of contact for the Project, Consultant may retain and use copies of such Products for reference and as documentation of its experience and capabilities.

All Products shall, upon payment to Consultant, become the property of City, irrespective of where located or stored, and Consultant agrees to deliver all such documents and information to City, without charge and in whatever form it exists, on the completion of the Consultant's services hereunder and upon payment to Consultant. Consultant shall have no ownership interest in such Products, except to the extent of any pre-existing intellectual property of Consultant, or its consultants, that may be part of such Products. Consultant and its consultants shall grant City a nonexclusive license to use such pre-existing intellectual property for the purposes contemplated under this Agreement.

All work product of Consultant under this Agreement, including written information which City will cause to be distributed for either internal or public circulation, including both preliminary and

final drafts shall be delivered to City in both printed and electronic form, or as may be specified in Exhibit A.

When this Agreement is terminated, Consultant agrees to return to City all documents, drawings, photographs and other written or graphic material, however produced, that it received from City, its contractors or agents, in connection with the performance of its Services under this Agreement. All materials shall be returned in the same condition as received.

In the event City uses the Products without retaining Consultant, City releases Consultant and its consultants, and causes of action arising from such uses. City, to the extent permitted by law, further agrees to indemnify and hold harmless Consultant from all costs and expenses, including the cost of defense related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from City's use of the Products without retaining the Consultant. Where City uses the Products without retaining Consultant, City shall delete Consultant's and its consultants', seals and signatures from their respective title blocks and signature pages.

Section 17. Termination of Work by City for Convenience . City shall have the right to terminate this Agreement at any time for its convenience by giving notice of such termination to Consultant. In the event City gives such notice of termination, Consultant shall cease rendering Services upon receipt of said notice given as required in this Agreement. If City terminates this Agreement:

(a) Consultant shall, upon receipt of payment for its Services, deliver copies of all Products prepared by it pursuant to this Agreement.

(b) If City terminates this Agreement for convenience before City issues the Notice to Proceed to Consultant or before Consultant commences any Services hereunder, whichever last occurs, City shall not be obligated to make any payment to Consultant. If City terminates this Agreement after City has issued the Notice to Proceed to Consultant and after Consultant has commenced performance under this Agreement, City shall pay Consultant the reasonable value of the Services rendered by Consultant, pursuant to this Agreement, prior to termination of this Agreement. City shall not in any manner be liable for Consultant's actual or projected lost profits had Consultant completed the Services. Consultant shall furnish to City such financial information, as in the judgment of the City Manager, as necessary to determine the reasonable value of the Services rendered by Consultant prior to termination. In the event of a dispute as to the reasonable value of the Services rendered by Consultant prior to termination, and the Parties are unable to agree upon said amount within sixty (60) days following the date of the notice of termination by the City, such dispute may, upon the request of either Party, be resolved in accordance with section 22.

(c) Except as provided in this Agreement, in no event shall City be liable for costs incurred by or on behalf of Consultant after the date of the notice of termination.

Section 18. Assurance of Performance. If, at any time, City reasonably believes Consultant may not be adequately performing its obligations under this Agreement or may fail to complete the Services as required by this Agreement, City may submit a written request to Consultant for reasonable written assurances of performance and a plan to correct observed deficiencies in Consultant's performance. Failure to provide written assurances subsequent to such written request, constitutes grounds to declare a breach under this Agreement.

Section 19. Cancellation for Breach by Either Party. Should either Party fail to substantially perform its obligations in accordance with the provisions of this Agreement, the other Party shall thereupon have the right to cancel the Agreement by giving written notice and specifying the effective date of such cancellation. If City cancels this Agreement for breach and it is subsequently determined that Consultant did not fail to substantially perform its obligations in accordance with this Agreement, then cancellation for breach by City shall be deemed, and treated, as termination for convenience.

Neither Party waives the right to recover damages against the other for breach of this Agreement, including any amount necessary to compensate City for all detriment proximately caused by Consultant's failure to perform its obligations hereunder, or which in the ordinary course of things would be likely to result therefrom. City reserves the right to offset such damages against any payments owed to Consultant to the extent it has been determined by adjudication or settlement that Consultant is responsible for such damages.

City shall not in any manner be liable for Consultant's actual or projected lost profits had Consultant completed the Services required by this Agreement. In the event of cancellation by either Party, copies of all finished, or unfinished, Products shall become the property of City.

Section 20. Non-Discrimination. In its performance of the Services, Consultant shall adhere to all applicable federal, state and local laws, rules, and regulations against discrimination based on race, color, religion, gender, sexual orientation, national origin, age, disability, genetic information, marital status, amnesty, or status as a covered veteran. In addition, any agreement with subcontractors, if approved as provided herein, must include applicable language required by the Office of Federal Contract Compliance Programs (OFCCP) that requires subcontractor to maintain equal employment opportunity policies, and, as necessary, affirmative action policies.

Section 21. Disputes. If a dispute arises between City and Consultant as to any provisions of this Agreement, City and Consultant may attempt to resolve any dispute by first entering into structured non-binding negotiations with the assistance of a mediator. The mediator shall be appointed by agreement of the Parties. If a dispute cannot be settled with the mediator within a period of thirty (30) calendar days, either Party may seek to resolve such dispute through legal action, subject, however to the limitation in damages provided herein.

Section 22. Insurance Coverage. During the Term, the Consultant shall maintain in full force and effect policies of insurance set forth herein, which shall be placed with insurers with a current A M Best's rating of no less than A VII and will provide the City with written proof of said insurance. Consultant shall maintain coverage as follows:

22.1 General Liability. Consultant shall carry general liability insurance in the amount of One Million Dollars (\$1,000,000) per occurrence for bodily injury, personal injury, and property damage. If commercial general liability insurance or another form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this Project or the general aggregate shall be Two Million Dollars (\$2,000,000).

22.2 Worker's Compensation Insurance and Employer's Liability. Consultant shall carry workers' compensation insurance as required by the State of California under the Labor Code. Consultant shall also carry employer's liability insurance in the amount of One Million Dollars (\$1,000,000) per accident, with a One Million Dollar (\$1,000,000) policy limit for bodily injury by disease, and a One Million Dollar (\$1,000,000) limit for each employee's bodily injury by disease.

22.3 Errors and Omissions Liability. Consultant shall carry errors and omissions liability insurance in the amount of no less than Two Million Dollars (\$2,000,000) per occurrence or greater if appropriate for the Consultant's profession. Architects and engineers' coverage is to be endorsed to include limited contractual liability. Any deductibles or self-insured retentions greater than Two Hundred Fifty Thousand Dollars (\$250,000) must be declared to and approved by City. At the option of City, either the insurer shall reduce or eliminate such deductibles or self-insured retentions with respect to City, elected and appointed councils, commissions, directors, officers, employees, agents, and representatives ("City's Agents"); or the Consultant shall provide a financial guarantee satisfactory to City guaranteeing payment of losses and related investigations, claims administration and defense expenses. Consultant shall be solely responsible for the payment of such deductibles or self-insured retentions.

Section 23. Additional Insurance Requirements. Within five (5) days of the Effective Date, Consultant shall provide City with certificates of insurance for all of the policies required under

this Agreement (“Certificates”), excluding the required worker’s compensation insurance. Such Certificates shall be kept current for the Term of the Agreement, and Consultant shall be responsible for providing updated copies and notifying City if a policy is cancelled, suspended, reduced, or voided. With the exception of the worker’s compensation insurance and, where noted, errors and omissions liability, all of the insurance policies required in this Agreement shall: (a) provide that the policy will not be cancelled without at least thirty (30) days’ prior written notice (except for ten (10) days’ written notice for nonpayment of premium) to City of such cancellation, and each policy shall be endorsed to state such unless the policy already provides for the same; (b) except for errors and omissions liability, name City, and City’s Agents as additional insureds with respect to liability arising out of Services, work or operations performed by or on behalf of the Consultant; products and completed operations of the Consultant; premises owned, occupied, or used by the Consultant, or automobiles owned, leased, or hired or borrowed by the Consultant. The coverage shall contain no special limitations on the scope of protection afforded to the City; (c) be primary with respect to any insurance or self-insurance programs covering City or City’s Agents and any insurance or self- insurance maintained by City or City’s Agents shall be in excess of Consultant’s insurance and shall not contribute to it; (d) except for errors and omissions liability, contain standard separation of insured provisions; and (e) state that any failure to comply with reporting or other provisions of the policy including breaches of warranties shall not affect the coverage provided to the City.

Section 24. Indemnification by Consultant. To the fullest extent permitted by law (including, without limitation, California Civil Code, sections 2782, 2782.8), Consultant shall defend with legal counsel reasonably acceptable to City, indemnify, and hold harmless the City and City’s Agents from and against any and all claims, loss, cost, damage, injury (including, without limitation, injury to or death of an employee, of Consultant or its subcontractors), expense and liability of every kind, nature and description to the extent such arise out of, pertain to or relate to acts or omissions that constitute negligence, recklessness, or willful misconduct on the part of Consultant, or any direct or indirect subcontractor, employee, contractor, representative or agent of Consultant, or anyone that Consultant controls (collectively “Liabilities”). Such obligations to defend, hold harmless and indemnify City and City’s Agents shall not apply to the extent that such Liabilities are caused in whole by the sole negligence, active negligence, or willful misconduct of City or City’s Agents or any third party for which Consultant is not legally liable, but shall apply to all other Liabilities. With respect to third party claims against the Consultant, the Consultant waives any and all rights of any type of express or implied indemnity against City and City’s Agents. As applied to claims based on Consultant’s liability and notwithstanding the above or anything else in this Agreement, Consultant has no obligation to pay for any defense related costs prior to a final determination of its liability. Following any such determination of its liability, Consultant shall be responsible to pay any amount of such costs equal to the finally determined percentage of liability based upon the comparative fault of Consultant.

Section 25. Limitation of Damages. Notwithstanding any other provision of this Agreement, in no event shall City or Consultant be liable, regardless of whether any claim is based on contract or tort, for any special, consequential, indirect or incidental damages, including, but not limited to, lost profits or revenue, arising out of or in connection with this Agreement or the Services performed in connection with this Agreement.

Section 26. Consultant Not Agent. Except as City may specify in writing, Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Consultant shall have no authority, express or implied, pursuant to this Agreement to bind City to any obligation whatsoever.

Section 27. Payment of Taxes and Other Expenses. Payment of any taxes, including California sales and use taxes, levied upon this Agreement, the transaction, or the Services or goods delivered pursuant hereto, shall be the obligation of Consultant.

Section 28. Notices. Any notice or communication required hereunder between City and Consultant must be in writing and may be given either personally, by registered or certified mail (return receipt requested), or by Federal Express, UPS or other similar couriers providing overnight delivery. If personally delivered, a notice or communication shall be deemed to have been given when delivered to the Party to whom it is addressed. If given by registered or certified mail, such notice or communication shall be deemed to have been given and received on the first to occur of (i) actual receipt by any of the addressees designated below as the party to whom notices are to be sent, or (ii) five (5) days after a registered or certified letter containing such notice, properly addressed, with postage prepaid, is deposited in the United States mail. If given by Federal Express or similar courier, a notice or communication shall be deemed to have been given and received on the date delivered as shown on a receipt issued by the courier. Any Party hereto may at any time, by giving ten (10) days written notice to the other Party hereto, designate any other address in substitution of the address to which such notice or communication shall be given. Such notices or communications shall be given to the Parties at their addresses set forth below:

If to City: City of Oakdale
 280 North Third Avenue
 Oakdale, California, 95361
 Attention: City Clerk

With copies to:
White Brenner LLP
1414 K Street, 3rd Floor
Sacramento, California 95814
Attention: Douglas L. White, Esq.

If to Consultant:
Cramer Fish Sciences
Attn: Joe Merz
3300 Industrial Blvd. Suite 100
West Sacramento, CA 95691

Section 29. Exhibits. All “Exhibits” attached hereto, are by this reference incorporated into this Agreement:

Section 30. General Provisions.

30.1 Modification. No alteration, amendment, modification, or termination of this Agreement shall be valid unless made in writing and executed by all Parties.

30.2 Waiver. No covenant, term, or condition, or the breach thereof, shall be deemed waived, except by written consent of the Party against whom the waiver is claimed, and any waiver of the breach of any covenant, term, or condition shall not be deemed to be a waiver of any preceding or succeeding breach of the same or any other covenant, term, or condition.

30.3 Authority. All Parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement and the names, titles, and capacities herein stated on behalf of any entities, persons, states, or firms represented or purported to be represented by such entities, persons, states or firms and that all former requirements necessary or required by the state or federal law in order to enter into the Agreement have been fully complied with.

30.4 Drafting and Ambiguities. Each Party acknowledges that it has reviewed this Agreement with its own legal counsel and, based upon the advice of that counsel, freely entered into this Agreement. Each Party has participated fully in the review and revision of this Agreement. Any rule of construction that ambiguities are to be resolved against the drafting party does not apply in interpreting this Agreement.

30.5 Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

30.6 Severability. If this Agreement in its entirety is determined by a court to be invalid or unenforceable, this Agreement shall automatically terminate as of the date of final entry of judgment. If any provision of this Agreement shall be determined by a court to be invalid and unenforceable, or if any provision of this Agreement is rendered invalid or unenforceable according to the terms of any federal or state statute, which becomes effective after the Effective Date of this Agreement, the remaining provisions shall continue in full force and effect and shall be construed to give effect to the intent of this Agreement.

30.7 Counterparts. This Agreement may be executed simultaneously and in several counterparts, each of which shall be deemed an original, but which together shall constitute one and the same instrument.

30.8 Audit. City shall have access at all reasonable times to all reports, contract records, contract documents, contract files, and personnel necessary to audit and verify Consultant's charges to City under this Agreement.

30.9 Entire Agreement; Integration. This Agreement, together with its specific references, attachments and exhibits, constitutes the entire agreement of the Parties with respect to the subject matters hereof, and supersedes any and all prior negotiations, understanding and agreements with respect hereto, whether oral or written.

30.10 Mandatory and Permissive. "Shall" and "will" and "agrees" are mandatory. "May" and "can" are permissive.

30.11 Headings. Headings used in this Agreement are for reference purposes only and shall not be considered in construing this Agreement.

30.12 Attorney's Fees and Costs. If any action at law or in equity, including action for declaratory relief, is brought to enforce or interpret provisions of this Agreement, the prevailing Party shall be entitled to reasonable attorney's fees and costs, which may be set by the court in the same action or in a separate action brought for that purpose, in addition to any other relief to which such Party may be entitled.

30.13 Necessary Acts and Further Assurances. The Parties shall, at their own cost and expense, execute and deliver such further documents and instruments and shall take such other actions as may be reasonably required or appropriate to evidence or carry out the intent and purposes of this Agreement.

30.14 Time is of the Essence. Time is of the essence in this Agreement for each covenant and term of a condition herein.

30.15 Computation of Time. Except where expressly provided to the contrary, as used in this Agreement, the word “day” shall mean “calendar day,” and the computation of time shall include all Saturdays, Sundays and exclude any state and federal legal holidays for purposes of determining time periods specified in this Agreement. If the final date of any period of time set out in this Agreement falls upon a Saturday, Sunday, or state or federal legal holiday, then the time of such period shall be extended to the next day that is not a Saturday, Sunday, or state or federal legal holiday.

30.16 City Business License. Consultant shall maintain a City of Oakdale business license.

[SIGNATURES ON FOLLOWING PAGE.]

IN WITNESS WHEREOF, this Agreement has been entered into by and between City and Consultant as of the above-referenced Effective Date.


CITY:

CONSULTANT:

City of Oakdale, a California municipal corporation

Cramer Fish Sciences, an Oregon corporation

By: _____
Bryan Whitemyer, City Manager

By:  _____
Joe Merz, President, Principal Scientist

Resolution No.: 2021 - _____

Attest:

Rouze Roberts, CMC City Clerk

Approved as to Form:

By : _____
Tom Hallinan, City Attorney

Phase II of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area

Phase II Scope of Work: Environmental Permitting, Pre-Project Monitoring, Continued Outreach, and Project Management

During Phase I of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area (Project), Cramer Fish Sciences (CFS) developed 100% engineering final design plan set. Phase II will focus on (1) completing the environmental permitting process, (2) design revisions based on permitting restrictions or requirements, (3) targeted outreach, (4) pre-construction monitoring, (5) apply for implementation funding, and (6) project management. Completion of Phase II will ultimately prepare the project for Phase III - Implementation.

Tasks

Task 1 – Permitting and Environmental Review

CFS and the City of Oakdale will coordinate with state, federal, and local agencies to draft and submit environmental permits required for site construction and monitoring (Phase III - Implementation). CFS and the City of Oakdale will complete all state and federal environmental permitting requirements for the Project, as listed below under Deliverables. Field surveys for special-status species will also be conducted under this task to inform the permitting process. CFS assumes no significant cultural resources will be uncovered during field surveys. CFS also assumes the project will receive a mitigated negative declaration (CEQA) and a Finding of No Significant Impact (NEPA), and will not require an EIR/EIS.

Deliverables

- *Special-status field survey technical memorandum*
- *Biological Assessment for Section 7 ESA consultation with USFWS*
- *Application for coverage under NMFS Programmatic Biological Opinion for Restoration Projects*
- *Draft and Final Environmental Assessment/Initial Study document for NEPA/CEQA compliance*
- *Cultural Resources Assessment for Section 106 and AB 52 compliance*
- *US Army Corps of Engineers Section 404 (RGP 16) and 408 (if required)*



- *Section 401 Water Quality Certification (California Regional Water Quality Control Board)*
- *Stormwater Pollution Prevention Plan (SWPPP) for NPDES compliance (draft only)*
- *CDFW Section 1600 Lake and Streambed Alteration Agreement*
- *California Central Valley Flood Control Board Encroachment Permit*
- *California State Lands Lease*
- *Hazard Analysis and Critical Control Points (HACCP)*
- *Best Management Practices (for site construction)*
- *Spill Pollution Prevention Plan (for site construction)*
- *Site Safety Plan (for site construction)*
- *CDFW Scientific Collecting Permit for monitoring*
- *4(d) permit or NMFS Biological Opinion for monitoring*

Task 2 – Design Revisions

Under this task CFS will coordinate with the City of Oakdale to revise, adjust, and update the 100% final design plan set completed in Phase I based on any specific permitting restrictions or requirements issued during the environmental permitting process. A technical memorandum describing specific design revisions will be produced.

Deliverables: Revised 100% final design plan set, design revision technical memorandum

Task 3 – Outreach

Outreach for Phase II will build from information gathered during Phase I outreach, with a more focused approach consisting of meetings and potentially site visits with Oakdale City Council members and mayor, the Oakdale Sportsman’s Club (adjacent property), and the Oakdale Golf and Country Club (adjacent property). CFS and the City will also reach out to the local river clean-up group, Stanislaus River Watch, and see what they may be able to offer as the Project moves forward. An outreach mailer to surrounding landowners and Project stakeholders will also be distributed to provide a status update regarding the Project and its projected timeline.

Deliverables: Outreach meetings, technical memorandum, project status update mailer

Task 4 – Monitoring

Pre-construction monitoring for Phase II will build upon monitoring efforts that occurred in Phase I. CFS will conduct fish community snorkel surveys using the same methods as were used during Phase I. CFS will also deploy water temperature/pressure loggers to track water temperature and water level (pressure) conditions to compare inundation levels before vs. after site construction.

Deliverables: Pre-project monitoring data summary technical memorandum.



Task 5 – Implementation

Under this task CFS and the City of Oakdale will develop grants for funding Phase III – Project Implementation. Implementation includes site construction, site stabilization, and post-construction implementation and effectiveness monitoring. This task will cover time to identify and apply for additional state or federal grant funding, including development of a Project specific proposal if needed.

Deliverables: Completed application(s) or proposal(s) for implementation funding

Task 6 – Project Management

Cramer Fish Sciences (CFS) will work directly with the City of Oakdale to manage the U.S. Fish and Wildlife Service (USFWS) grant. Monthly progress reports and invoices will be produced and submitted by CFS. City of Oakdale staff time to coordinate with council members, the mayor, and adjacent landowners will be covered by this task.

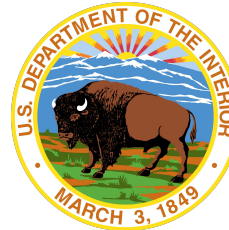
Deliverables: Monthly progress reports and invoices

Budget

TASK	LABOR	EXPENSES	TOTAL
Task 1 – Permitting	\$120,026	\$43,000	\$163,026
Task 2 – Design Revisions	\$33,194	\$0	\$33,194
Task 3 – Outreach	\$16,459	\$1,000	\$17,459
Task 4 – Monitoring	\$57,792	\$11,681	\$69,473
Task 5 – Implementation	\$31,080	\$0	\$31,080
Task 6 – Project Management	\$19,768	\$0	\$19,768
			\$334,000

Exhibit B - Notice of Award

NOTICE OF AWARD



AUTHORIZATION (Legislation/Regulations)

Central Valley Project Improvement Act—Fish and Wildlife Restoration Activities (Pub. L. 102-575, §3406(b)(16), 106 Stat. 4714 and 4719)

1. DATE ISSUED MM/DD/YYYY 10/19/2021

1a. SUPERSEDES AWARD NOTICE dated except that any additions or restrictions previously imposed remain in effect unless specifically rescinded

2. CFDA NO. 15.648 - Central Valley Project Improvement Act (CVPIA)

3. ASSISTANCE TYPE Project Grant

4. GRANT NO. F21AP04199-00
Originating MCA #

5. TYPE OF AWARD Other

4a. FAIN F21AP04199

5a. ACTION TYPE New

6. PROJECT PERIOD MM/DD/YYYY
From 11/01/2021 Through 09/30/2024

7. BUDGET PERIOD MM/DD/YYYY
From 11/01/2021 Through 09/30/2024

8. TITLE OF PROJECT (OR PROGRAM)
Phase II of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area

9a. GRANTEE NAME AND ADDRESS
Oakdale, City of
280 N 3rd Ave
Oakdale, CA 95361-3042

9b. GRANTEE PROJECT DIRECTOR
Mr. Bryan Whitemyer
280 N 3rd Ave
Oakdale, CA 95361-3042
Phone: 209-845-3572

10a. GRANTEE AUTHORIZING OFFICIAL
Ms. Christina Smith
280 N 3rd Ave
Oakdale, CA 95361-3042
Phone: 209-845-3586

10b. FEDERAL PROJECT OFFICER
Erin Strange
1849 C St NW
Washington, DC 20240-0001
Phone: 111-11-1111

ALL AMOUNTS ARE SHOWN IN USD

11. APPROVED BUDGET (Excludes Direct Assistance)		12. AWARD COMPUTATION	
I Financial Assistance from the Federal Awarding Agency Only		a. Amount of Federal Financial Assistance (from item 11m)	\$ 359,000.00
II Total project costs including grant funds and all other financial participation		b. Less Unobligated Balance From Prior Budget Periods	\$ 0.00
a. Salaries and Wages	\$ 303,319.00	c. Less Cumulative Prior Award(s) This Budget Period	\$ 0.00
b. Fringe Benefits	\$ 0.00	d. AMOUNT OF FINANCIAL ASSISTANCE THIS ACTION	\$ 359,000.00
c. Total Personnel Costs	\$ 303,319.00	13. Total Federal Funds Awarded to Date for Project Period	\$ 359,000.00
d. Equipment	\$ 0.00	14. RECOMMENDED FUTURE SUPPORT (Subject to the availability of funds and satisfactory progress of the project):	
e. Supplies	\$ 0.00	YEAR	TOTAL DIRECT COSTS
f. Travel	\$ 6,000.00	a. 2	\$
g. Construction	\$ 0.00	b. 3	\$
h. Other	\$ 49,681.00	c. 4	\$
i. Contractual	\$ 0.00	d. 5	\$
j. TOTAL DIRECT COSTS	\$ 359,000.00	e. 6	\$
k. INDIRECT COSTS	\$ 0.00	f. 7	\$
l. TOTAL APPROVED BUDGET	\$ 359,000.00	15. PROGRAM INCOME SHALL BE USED IN ACCORD WITH ONE OF THE FOLLOWING ALTERNATIVES:	
m. Federal Share	\$ 359,000.00	a. DEDUCTION	
n. Non-Federal Share	\$ 0.00	b. ADDITIONAL COSTS	
		c. MATCHING	
		d. OTHER RESEARCH (Add / Deduct Option)	
		e. OTHER (See REMARKS)	
		16. THIS AWARD IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE FEDERAL AWARDOING AGENCY ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING:	
		a. The grant program legislation	
		b. The grant program regulations.	
		c. This award notice including terms and conditions, if any, noted below under REMARKS.	
		d. Federal administrative requirements, cost principles and audit requirements applicable to this grant.	
		In the event there are conflicting or otherwise inconsistent policies applicable to the grant, the above order of precedence shall prevail. Acceptance of the grant terms and conditions is acknowledged by the grantee when funds are drawn or otherwise obtained from the grant payment system.	

e

REMARKS (Other Terms and Conditions Attached - Yes No)
There is no program income.

GRANTS MANAGEMENT OFFICIAL:

Ariel Anaya, Grants Management Specialist
5275 Leesburg Pike
Falls Church, VA 22041
Phone: (503) 231-6227

17. VENDOR CODE	0071422133	18. DUNS	037644960	19. CONG. DIST.	10	
LINE#	FI A CIAL ACCT	AMT OF FI ASST	START DATE	E D DATE	TAS ACCT	PO LI E DESCRIPTIO
1	0051016712-00010	\$359,000.00	11/01/2021	09/30/2024	1611	Phase II of Stanislaus River Salmonid Ha

NOTICE OF AWARD (Continuation Sheet)

PAGE 2 of 5	DATE ISSUED 10/19/2021
GRANT NO. F21AP04199-00	

Terms and Conditions

1. [U.S. Fish and Wildlife General Award Terms and Conditions](https://www.fws.gov/grants/atc.html) (see link <https://www.fws.gov/grants/atc.html>)

2. Mandatory Disclosures

Conflicts of interest: Per [2 CFR §1402.112](#), non-Federal entities and their employees must take appropriate steps to avoid conflicts of interest in their responsibilities under or with respect to Federal financial assistance agreements. In the procurement of supplies, equipment, construction, and services by recipients and by subrecipients, the conflict of interest provisions in [2 CFR §200.318](#) apply. Non-Federal entities, including applicants for financial assistance awards, must disclose in writing any conflict of interest to the DOI awarding agency or pass-through entity in accordance with [2 CFR §200.112](#). Recipients must establish internal controls that include, at a minimum, procedures to identify, disclose, and mitigate or eliminate identified conflicts of interest. The recipient is responsible for notifying the Service Project Officer identified in their notice of award in writing of any conflicts of interest that may arise during the life of the award, including those that reported by subrecipients. The Service will examine each conflict of interest disclosure to determine whether a significant potential conflict exists and, if it does, work with the applicant or recipient to develop an appropriate resolution. Failure to resolve conflicts of interest in a manner that satisfies the government may be cause for termination of the award. Failure to make required disclosures may result in any of the remedies for noncompliance described in [2 CFR §200.339](#), including suspension or debarment (see also [2 CFR Part 180](#)).

Lobbying: The recipient must not use any federally appropriated funds (annually appropriated or continuing appropriations) or matching funds under a Federal award to pay any person for lobbying in connection with the award. Lobbying is influencing or attempting to influence an officer or employee of any U.S. agency, a Member of the U.S. Congress, an officer or employee of the U.S. Congress, or an employee of a Member of the U.S. Congress connection with the award. The recipient must complete and submit the [SF-LLL, "Disclosure of Lobbying Activities"](#) form to the Service Project Officer identified in their notice of award if the Federal share of their award is more than \$100,000 and the recipient has made or has agreed to make any payment using non- appropriated funds for lobbying in connection with the application or award. See [43 CFR, Subpart 18.100](#) for more information on when additional submission of this form is required.

Other Mandatory Disclosures: Recipients and subrecipients must disclose, in a timely manner, in writing to the Service Project Officer identified in their notice of award or pass-through entity all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award. Non-Federal entities that receive a Federal award including the term and condition outlined in [2 CFR 200, Appendix XII—Award Term and Condition for Recipient Integrity and Performance Matters](#) are required to report certain civil, criminal, or administrative proceedings to SAM. Failure to make required disclosures can result in any of the remedies for noncompliance described in [2 CFR §200.339](#), including suspension or debarment.

SPECIAL TERMS AND REQUIREMENTS

1. Environmental Compliance Reviews

All Compliance reviews including NEPA requirements will be submitted and uploaded in Grantsolutions prior to Award closeout.

As a condition of award, the Recipient and their sub-recipient(s) and contractor(s) must not begin any potentially impactful work related to this award until the Service has notified you in writing that such work can begin. Recipients and sub-recipients of

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Federal grants and cooperative agreement awards must comply with the requirements of the National Environmental Policy Act (NEPA), Section 7 of Endangered Species Act (ESA), and Section 106 of the National Historic Preservation Act (NHPA).

2. Scientific and Scholarly Activities

The Recipient will conduct scientific and scholarly activities under this award that meet the definition in Department policy 305 DM 3, "Integrity of Scientific and Scholarly Activities" and the result of those activities are intended for use by the Service in decision-making processes or publications. The Recipient must follow the Department's Code of Scientific and Scholarly Conduct to the best of your ability when carrying out these activities.

Any publications produced under this award must include a statement acknowledging support from the Central Valley Project Improvement Act.

PAYMENTS

1. Domestic Recipients Enrolled in Treasury's ASAP System

The recipient will request payments under this award in the [U.S. Treasury's Automated Standard Application for Payment \(ASAP\)](#) system. When requesting payment in ASAP, your Payment Requestor will be required to enter an Account ID. The number assigned to this award is the partial Account ID in ASAP. When entering the Account ID in ASAP, the Payment Requestor should enter the award number identified in the notice of award, followed by a percent sign (%). Refer to the ASAP.gov Help menu for detailed instructions on requesting payments in ASAP.

REPORT

1. Interim Financial Reports

The recipient is required to submit interim financial reports on a semi-annually basis directly in GrantSolutions. The recipient must follow the financial reporting period end dates and due dates provided in GrantSolutions. The interim reporting due dates are available by signing in to GrantSolutions and selecting the menu for Reports>Federal Financial Report. The GrantSolutions financial report data entry fields are the same as those on the SF-425, "[Federal Financial Report](#)" form. See also our instructional video on "[Completing the Federal Financial Report \(SF-425\)](#)".

2. Interim Performance Reports

The recipient is required to submit interim performance reports on a semi-annually basis directly in GrantSolutions. The recipient must follow the performance reporting period end dates and due dates provided in GrantSolutions. The interim reporting due dates are available by signing in to GrantSolutions and selecting the menu for Reports>FPR.

3. Final Reports

The recipient must liquidate all obligations incurred under the award and submit a *final* financial report in GrantSolutions no later than 120 calendar days after the award period of performance end date. The GrantSolutions financial report data entry fields are the same as those on the SF-425, "[Federal Financial Report](#)" form. See also our instructional video on "[Completing the Federal Financial Report \(SF-425\)](#)".

The recipient must submit a *final* performance report no later than 120 calendar days after the award period of performance end date. Performance reports must contain: 1) a comparison of actual accomplishments with the goals and objectives of the award as

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detailed in the approved scope of work; 2) a description of reasons why established goals were not met, if appropriate; and 3) any other pertinent information relevant to the project results. Please include the Service award number on all reports.

The recipient must follow the final Federal Financial Report and the final Performance Report reporting period end dates and due dates provided in GrantSolutions. The final reporting due dates are available by signing in to GrantSolutions and selecting the menu for Reports>Federal Financial Report or Reports>FPR.

4. Reporting Due Date Extensions

Reporting due dates may be extended for an award upon request to the Service Project Officer identified in the notice of award. The request should be sent by selecting the award in GrantSolutions and selecting send message. The message must include the type of report to be extended, the requested revised due date, and a justification for the extension. The Service may approve an additional extension if justified by a catastrophe that significantly impairs the award Recipient's operations. The recipient must submit reporting due date extension requests through GrantSolutions to the Service Project Officer identified in their notice of award before the original due date. The Service Project Officer will respond to the recipient after approval or denial of the extension request.

5. Significant Developments Reports

See 2 CFR §200.328(d). Events may occur between the scheduled performance reporting dates that have significant impact upon the supported activity. In such cases, recipients are required to notify the Service in writing as soon as the recipient becomes aware of any problems, delays, or adverse conditions that will materially impair the ability to meet the objective of the Federal award. This disclosure must include a statement of any corrective action(s) taken or contemplated, and any assistance needed to resolve the situation. The recipient should also notify the Service in writing of any favorable developments that enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

BUDGET AND PROGRAM REVISIONS

1. Budget and Program Plan Revisions

The recipient must report to the Service Project Officer identified in their notice of award deviations from budget or project scope or objective, and request prior approvals for budget and program plan revisions per [2 CFR §200.308](#), unless otherwise specifically waived in this award.

SCOPE OF WORK

1. Project Description

The Service hereby incorporates the recipient's application submitted to and approved by the Service into these award terms and conditions.

Phase II of the Stanislaus River Salmonid Habitat Resotration Project at Stanley Wakefield Wilderness Area. During Phase 1 of the Stanislaus River Salmonid Habitat Restoration Project at Stanley Wakefield Wilderness Area, Phase II will focus on completing the environmental permitting process, design revision based on permitting restriction or requirements, targeted outreach, pre-construction monitoring, apply for impementation funding and project Management. Completion of Phase II will ultimately prepare the project for Phase III - Implementation.

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STAFF CONTACTS

1. Program Officer Name: J.D. Wikert

Program Officer Email Address: John_Wiker@fws.gov

Program Officer Telephone Number: (209) 403-1046



Notice: In compliance with the requirements of the Maddy Act (Government Code (§54973), the following appointment list was posted on or before December 31, 2021. The list contains all current members of City Boards, Commissions, and Committees and the dates of their terms of offices of the time of this posting. The City Council of the City of Oakdale will make appointments to the positions below which will expire in or may otherwise become vacant in 2022.

The names on this list are subject to change based on term expectations and resignations that occur during the year. For a current list of members, please to refer to the City Commissions pages on the City’s website: www.oakdalegov.com or call the City Clerk’s office at 209-845-3573.

Economic Development Ad-Hoc Committee ***Terms Expiring: 0***
Vacancies: 0

Meeting Schedule: The meetings are held at the Chamber of Commerce’s Conference Room on an “as needed” basis, usually the first Friday of the month at 9:00 a.m.

Mission: Retain existing businesses and recruit new businesses to Oakdale.

Membership/Qualifications: Two City Council members, Chamber of Commerce CEO, two local business owners, Hospital CEO or his or her designee and one at-large member.

Committee Members	Appointment Date (Year)	Term Expiration
Trisha Brown	2021	N/A
Erich Haidlen	2013	N/A
John McCormick	2013	N/A
Marc Malone	2015	N/A
Curtis Haney	2021	N/A
Cherilyn Bairos	2021	N/A
Bob Taylor	2015	N/A

Measure H Residents Oversight Committee ***Terms Expiring: 0***
Vacancies: 0

Meeting Schedule: The meetings are held at the City Council Chambers at a minimum of twice per year and/or on an “as needed” basis.

Duties: Reviews the expenditures of revenues received from the ½ cent transactions and use (sales) tax (Measure O) approved by Oakdale voters on November 8, 2011 and was extended by way of approval of Measure Y by Oakdale voters on November 11, 2014 and then Measure H on November 5, 2019 to ensure the funds are spent in accordance with the ballot question.

Membership/Qualifications: A five regular member and two alternate member committee appointed for five years, the term of the tax. Members must be registered voters and reside within the Oakdale city limits.



Committee Members	Appointment Date	Term Expiration
Rick Jones	05/04/2020	04/2024
Cecilia Suarez	04/06/2020	04/2024
Joe Carrillo	05/04/2020	04/2024
Tenisha Dunham	05/04/2020	04/2024
Ernest Valdez, Jr.	05/04/2020	04/2024
Alternate Members	Appointment Date	Term Expiration
Lucas Bell	04/05/2021	04/2024
Justin Bochmann	04/05/2021	04/2024

Planning Commission	Terms Expiring: 2 Vacancies: 0
----------------------------	-------------------------------------------------

Meeting Schedule: The meetings are held at the City Council Chambers on the first Wednesday of every month at the hour of 6:00 p.m.

Mission: Fairly and impartially represents the citizens of Oakdale and those within its sphere of influence on planning issues brought before the Commission and applies applicable laws, policies, ordinances, municipal codes and existing General Plan conditions to decisions/ recommendations to the City Council.

Membership/Qualifications: A five-member commission with overlapping four-year terms. All members shall be residents of the City of Oakdale.

Commission Members	Appointment/Reappointment Date	Term Expiration
Violet Havard	Reappointed 04/2018	04/2022
Ezra Ivey	Appointed to Unexpired Term 04/2020	04/2022
Tyler Richardson	Reappointed 04/2021	04/2025
Brian Heron	Reappointed 04/2021	04/2025
Amy Velasco	Reappointed 04/2021	04/2025

Senior Citizens Advisory Commission	Terms Expiring: 2 Vacancies: 0
--------------------------------------------	-------------------------------------------------

Meeting Schedule: The meetings are held at the Gladys L. Lemmons, Senior Citizen Community Center on the third Tuesday of the month during the months of January, March, May, July, September, October and November at the hour of 2:00 p.m.

Mission: Recommends to the City Council regarding programs, needed facilities, housing, recreation, and health and nutritional needs affecting seniors in the community.

Membership/Qualifications: A seven-member commission with four-year overlapping terms. Members of this commission may serve only three terms. Five members shall be residents of the city of Oakdale. Two members may be non-residents of the city. Five members shall be at least sixty years of age.



Commission Members	Appointment/Reappointment Date	Term Expiration
Lupe Aguilera	Reappointed 04/2020	04/2024
Nancy Smith	Reappointed 04/2020	04/2024
Jean Cavanaugh	Appointed 04/2019	04/2023
Carol Lyda	Appointed 11/2021 to fill unexpired term	04/2023
Loran Lester	Reappointed 04/2020	04/2024
Michael Eggener	Appointed 12/2020 to fill unexpired term	04/2022
Edward Viohl	Reappointed 05/2018	04/2022

Tourism Business Improvement District Advisory Board ***Terms Expiring: 3***
Vacancies: 3

Commission Members Hotel Owners/Operators	Appointment/Reappointment Date	Term Expiration
Chaitanya Mahida	Reappointed 04/2018	04/2022
Ramesh Mistry	Reappointed 04/2018	04/2022
Makesh Mistry	Reappointed 02/2018	04/2022
Has Panchal	Reappointed 04/2020	04/2024
Vacant Seat	Expired Term Ended 04/2020	04/2024

At Large Members

Melissa Brewer	Appointed 04/2021	04/2025
Vacant Seat	Expired Term Ended 04/2017	04/2025
Vacant Seat	Expired Term Ended 04/2019	04/2023

/s/Julie Christel

Julie Christel, Council Services & Legislative Records Manager
 Deputy City Clerk

Date: December 16, 2021



**CITY OF OAKDALE
CITY COUNCIL STAFF REPORT**

Meeting Date: December 20, 2021
To: Mayor Bairos and Members of the Oakdale City Council
From: Julie Christel, Council Services and Legislative Records
Subject: Manager Amended Claim for Damage – Andrea Cahoon

I. BACKGROUND

A claim against the City was received on November 10, 2021. The claim, as submitted, indicated the incident occurred October 24, 2021 and the date injuries, damages, or losses were discovered was October 24, 2021. The location of the incident was listed as Hi Tech Parkway and Merle Way, Oakdale, CA.

II. DISCUSSION

The claim was submitted to the City's claims adjuster, Acclamation Insurance Services (AIMS), for review and recommendation. The City's claims adjuster has recommended City Council reject the claim.

III. FISCAL IMPACT

No fiscal impact to date.

IV. RECOMMENDATION

Staff concurs with AIMS' recommendation and recommends rejection of the claim by City Council Minute Order.

V. ATTACHMENTS

None.



CITY OF OAKDALE
CITY COUNCIL STAFF REPORT

Date: December 20, 2021
To: Mayor Bairos and Members of the City Council
Reviewed by: Jeff Gravel, Public Services Director
From: Cody Bridgewater, Public Works Superintendent
Subject: Public Hearing to Consider a Resolution Adopting the City of Oakdale 2020 Urban Water Management Plan and Water Shortage Contingency Plan

I. BACKGROUND

The Urban Water Management Plan (UWMP) is required to be adopted by local jurisdictions by the State of California Department of Water Resources (DWR). The UWMP is required to be updated every five years.

The Urban Water Management Act of 1983, was adopted by California Legislature to codify the state's policy that management of urban water demands and efficient use of water shall be a guiding criterion in public decision making. The UWMP must be adopted by the water supplier and submitted to the DWR.

II. DISCUSSION

The purpose of the UWMP is to:

1. Provide current and projected population, climate and other demographic factors affecting the City's water management planning;
2. Identify and quantify, to the extent practicable, the existing and planned sources of water available to the City;
3. Describe the reliability of the water supply and vulnerability to seasonal or climatic shortages;
4. Describe plans to supplement or replace that source with alternative sources or water demand management measures;
5. Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis (meant for systems that use surface water);
6. Quantify past and current water use;
7. Provide a description of the City's water demand management measures, including an implementation schedule, programs to measure effectiveness of measures, and anticipated water demand reductions associated with the measures;
8. Assessment of the water supply reliability.



CITY OF OAKDALE
City Council Staff Report (Continued)

SUBJECT: 2020 Urban Water Management Plan
MEETING DATE: December 20, 2021

The plan describes all these requirements: Oakdale demographics, water system attributes, reliability of our groundwater, etc. These are all typical aspects of preparing this type of plan.

III. FISCAL IMPACT

There is no fiscal impact associated with adoption of the Urban Water Management Plan or Water Shortage Contingency Plan.

IV. RECOMMENDATION

That the City Council hold the public hearing, take testimony from residents, and approve a Resolution adopting the City of Oakdale 2020 Urban Water Management Plan and Water Shortage Contingency Plan.

V. ATTACHMENTS

Attachment A: Draft City Council Resolution 2021-__
Attachment B: 2020 Urban Water Management Plan and Water Shortage Contingency Plan



IN THE CITY COUNCIL
OF THE CITY OF OAKDALE
STATE OF CALIFORNIA
CITY COUNCIL RESOLUTION 2021-__

**RESOLUTION OF THE CITY OF OAKDALE CITY COUNCIL
ADOPTING THE CITY OF OAKDALE 2020 URBAN WATER MANAGEMENT
PLAN AND WATER SHORTAGE CONTINGENCY PLAN**

THE CITY OF OAKDALE CITY COUNCIL DOES HEREBY RESOLVE THAT:

WHEREAS, California Water Code Section 10610 requires urban water purveyors to adopt and submit to the Department of Water Resources an Urban Water Management Plan; and

WHEREAS, the Urban Water Management Plan must be updated every five years and the City of Oakdale’s last Plan update was the 2015 Urban Water Management Plan; and

WHEREAS, following a duly noticed public hearing, the Oakdale City Council, took public comment and reviewed the City of Oakdale’s 2020 Urban Water Management Plan; and

WHEREAS, upon adoption, the 2020 Urban Water Management Plan will assert the Oakdale City Council’s commitment to water conservation and management as well as their assurance that efficient use of water shall be one of the guiding criterion in public decision making; and

NOW, THEREFORE, BE IT RESOLVED that the **CITY COUNCIL** using their own independent judgement does hereby adopt the 2020 Urban Water Management Plan and Water Shortage Contingency Plan.

THE FOREGOING RESOLUTION IS HEREBY ADOPTED THIS 20th DAY OF DECEMBER, 2021, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAINED: COUNCIL MEMBERS:

Cherilyn Bairos, Mayor

ATTEST:

Rouze Roberts, City Clerk

City of Oakdale

2020 Urban Water Management Plan

DRAFT

OCTOBER 2021

Prepared for:

CITY OF OAKDALE
PUBLIC SERVICES DEPARTMENT
455 S. Fifth Avenue
Oakdale, CA 95361

Prepared by:

BLACK WATER CONSULTING ENGINEERS, INC.
602 Lyell Drive
Modesto, CA 95356
(209) 322-1820



**CITY OF OAKDALE
2020 URBAN WATER MANAGEMENT PLAN****CONTACT SHEET**

Date plan adopted:

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City of Oakdale
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Email: jgravel@ci.oakdale.ca.us

Cody Bridgewater, Public Works Superintendent
City of Oakdale
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- Appendix E – SB X7-7 2015 Verification Form and 2020 Compliance Form
- Appendix F – Energy Use Tables
- Appendix G – Consumer Confidence Reports
- Appendix H – Water Shortage Contingency Plan
- Appendix I – UWMP Adoption Resolution

LIST OF ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
AF	Acre feet
AFY	Acre feet per year
AWWA	American Water Works Association
BMP	Best Management Practice
CAP	Climate Action Plan
CCR	Consumer Confidence Report
CII	Commercial, Industrial, and Institutional sector
CIMIS	California Irrigation Management Information System
City	City of Oakdale
CWC	California Water Code
DMM	Demand Management Measures
DOF	California Department of Finance
DRA	Drought Risk Assessment
DWR	California Department of Water Resources
EPA	Environmental Protection Agency
ETo	Evapotranspiration
FMMP	California Department of Conservation Farmland Monitoring and Mapping Program
GHG	Greenhouse gas
gpcd	Gallons per capita per day
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
IRGMP	Integrated Regional Groundwater Management Plan
Legislature	State of California Legislature
MC	City of Oakdale Municipal Code
MG	Million gallons
mgd	Million gallons per day
NAICS	North American Industry Classification System
OID	Oakdale Irrigation District
SB	Senate Bill
SGMA	Sustainable Groundwater Management Act
STRGBA	Stanislaus and Tuolumne Rivers Groundwater Basin Association
SWRCB	State Water Resources Control Board
UWMP	Urban Water Management Plan
UWMPA	Urban Water Management Plan Act
WRCC	Western Regional Climate Center
WSCP	Water Shortage Contingency Plan
WWTP	Wastewater Treatment Plant

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1 UWMP Introduction and Lay Description

1.1 Background and Purpose

Legal Requirements:

CWC Section 10615:

“Plan” means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities. The components of the plan may vary according to an individual community or area’s characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

The California Water Code (CWC) requires urban water suppliers within the state to prepare and adopt Urban Water Management Plans (UWMPs) for submission to the California Department of Water Resources (DWR). The UWMPs must be filed every five years to satisfy the requirements of the Urban Water Management Planning Act (UWMPA) of 1983, including amendments that have been made to the UWMPA and other applicable regulations. The UWMPA requires urban water suppliers servicing 3,000 or more connections or supplying more than 3,000 acre-feet (AF) of water annually, to prepare an UWMP.

The purpose of the UWMP is to maintain efficient use of urban water supplies, continue to promote conservation programs and policies, ensure that sufficient water supplies are available for future beneficial use, and provide a mechanism for response during water drought conditions. This plan, which was prepared in compliance with the CWC, and as set forth in the 2020 Urban Water Management Plan Guidebook for Urban Water Suppliers (May 2021) established by DWR (UWMP Guidebook), constitutes the City of Oakdale (City) 2020 UWMP. This 2020 UWMP was prepared in compliance with the UWMPA and the Water Conservation Bill of 2009 (Senate Bill [SB] X7-7) by Black Water Consulting Engineers, Inc. (Black Water) and the City.

1.2 Previous Urban Water Management Plan

The City previously updated their 2015 UWMP in October 2018. Following adoption, the 2015 UWMP was submitted to and approved by DWR. This 2020 UWMP serves as an update to the 2015 UWMP and complies with all new UWMP requirements and regulations.

1.3 Urban Water Management Planning and the California Water Code

CWC sections that are applicable to UWMPs are summarized below.

1.3.1 Urban Water Management Planning Act of 1983

In 1983, State Assembly Bill (AB) 797 modified the CWC Division 6, by creating the UWMPA. Several amendments to the original UWMPA, which were introduced since 1983, have increased the data requirements and planning elements to be included in UWMPs. Initial amendments to the UWMPA required that total projected water use be compared to water supply sources over the next 20 years, in 5-year increments. Recent DWR guidelines also suggest projecting through a 25-year planning horizon to maintain a 20-year timeframe until the next UWMP update has been completed. This is merely a guideline and not a requirement of the UWMPA. Therefore, the use of a 25-year planning horizon as opposed to a 20-year planning horizon is left up to the discretion of the agency.

1.3.2 Applicable Changes to the Water Code since 2015 UWMPs

Since the UWMPA was passed, the CWC has undergone significant expansion and revision since the last UWMP Guidebook was prepared in 2015. Prolonged droughts, groundwater overdraft, regulatory revisions, and changing climatic conditions not only affect each supplier's water reliability determinations, but also the broad picture of statewide water reliability overseen by DWR, the State Water Resources Control Board (SWRCB), and the State of California Legislature (Legislature). Accordingly, the UWMPA has grown to address changing conditions. Applicable changes to the CWC since the completion of the City's 2015 UWMP are summarized in **Table 1-1**.

Table 1-1 – Applicable Changes to the CWC since 2015

Topic	CWC Sections	Legislative Bill	Summary
Five Consecutive Dry-Year Water Reliability Assessment	10635(a) and (b)	SB 606, 2019	The Legislature modified the dry-year water reliability planning from a “multiyear” time period to a “drought lasting five consecutive water years” designation.
Drought Risk Assessment	10635(b)	SB 606, 2019	The Drought Risk Assessment (DRA) requires a supplier to assess water supply reliability over a five-year period from 2021 to 2025.
Seismic Risk	10632.5	SB 664, 2016	Requires the UWMP to address seismic risk to various water system facilities and have a mitigation plan.
Energy Use	10631.2(a)	SB 606, 2018	Requires suppliers to include readily obtainable information on estimated amounts of energy use for their water supply extraction, treatment, distribution, storage, conveyance, and other water uses.
Water Loss Reporting for Five Years	10631(d)	AB 1414, 2019	Requires inclusion of the past five years of water loss audit reports in UWMPs.
Water Shortage Contingency Plan (WSCP)	10632	SB 606, 2019	Suppliers are required to prepare and adopt a WSCP.
Groundwater Supplies Coordination	10631	AB 1414, 2019	Requires UWMPs to be consistent with Groundwater Sustainability Plans (GSPs)
Lay Description	10630.5	SB 606, 2019	Requires inclusion of a simple lay description of how much water the agency has on a reliable basis, how much it needs for the foreseeable future, what the agency’s strategy is for meeting its water needs, the challenges facing the agency, and any other information necessary to provide a general understanding of the agency’s plan.

1.4 UWMPs in Relation to Other Planning Efforts

The City is committed to providing a reliable and high-quality water supply to its customers. To ensure that the City will be able to continue to reliably serve the residents of Oakdale in the future, the City has conducted/participated in several important planning efforts that relate to water supply planning and are related to the UWMP. Some of the most recent water planning efforts are summarized below:

- Oakdale 2030 General Plan [1]:** On August 8, 2013, the City adopted an update to its General Plan that guides land use and development through the year 2030. The General Plan serves as a long-term policy framework to guide the City’s growth and conservation in a manner that sustains the community’s quality of life, economic vitality, social wellbeing, and environmental resources.

- **Water System Master Plan Update (Water Master Plan) [2]:** The City is in the process of updating its Water Master Plan that was developed in 2015. The update will evaluate the existing facilities, update population and water demand estimates, and develop a strategy for meeting water supply goals for current and future water demands.
- **Integrated Regional Groundwater Management Plan for the Modesto Subbasin:** The Integrated Regional Groundwater Management Plan (IRGMP) for the Modesto Subbasin was completed in June 2005. The IRGMP was developed in compliance with the Groundwater Management Planning Act of 2002 (SB 1938) and Integrated Regional Water Management Planning Act of 2002 (SB 1672). The purpose of the IRGMP is to provide a framework for coordinating groundwater and surface water management activities into a cohesive set of management objectives and implementing the actions necessary to meet those objectives.
- **Modesto Subbasin Groundwater Sustainability Plan:** The Stanislaus and Tuolumne Rivers Groundwater Basin Association Groundwater Sustainability Agency (STRGBA GSA) and the Tuolumne Groundwater Sustainability Agency (Tuolumne GSA) are developing a Groundwater Sustainability Plan (GSP) for the Modesto Subbasin for adoption by January 31, 2022. Draft sections of the GSP are being prepared as the modeling tools and data are collected. The draft sections are distributed to the member agencies for review and comment.
- **Modesto Subbasin Communication and Engagement Plan:** The Modesto Subbasin Communication and Engagement Plan was prepared in September 2020 to provide a high-level overview of potential near- and long-term outreach strategies, tactics, and tools that support public and stakeholder communication actions, as required by the Sustainable Groundwater Management Act (SGMA) of 2014 and for consideration by the STRGBA GSA.

1.5 UWMP Organization

This 2020 UWMP contains the appropriate sections and tables required per the UWMPA and has been prepared based on guidance provided by the DWR 2020 UWMP Guidebook. The required tables are included in the relevant sections and in **Appendix A**.

DWR's UWMP Checklist, as provided in the UWMP Guidebook, has been completed to demonstrate the UWMP's compliance with applicable requirements. A copy of the completed checklist is included in **Appendix B**. This plan is organized according to the recommended format provided in the UWMP Guidebook. The UWMP contains ten chapters as outlined below, followed by appendices that provide supporting documentation for the information presented in the plan.

- **Chapter 1 - UWMP Introduction and Lay Description:** This chapter provides background information for the 2020 UWMP and provides a description of the purpose of the plan.
- **Chapter 2 - Plan Preparation:** This chapter includes information on the development of the 2020 UWMP and efforts in coordination and outreach.
- **Chapter 3 - System Description:** This chapter describes the service area, population, and climate; and presents an overview of the City's water system.
- **Chapter 4 - Water Use Characterization:** This chapter describes and quantifies the current and projected water uses within the City's service area.
- **Chapter 5 - SB X7-7 Baseline and Targets, and 2020 Compliance:** This chapter describes the methods for calculating baseline and target water use consumption in the City. It also includes a

calculation of the City's 2020 water use and determination of compliance with the 2020 target water use.

- **Chapter 6 - Water Supply Characterization:** This chapter describes the current and projected sources of water available to the City. A description of potential recycled water use and supply availability is also included in this chapter.
- **Chapter 7 - Water Service Reliability and Drought Risk Assessment:** This chapter describes the reliability of the City's current supply and evaluates the reliability 20 years out, including normal, single-dry years, and five consecutive dry years.
- **Chapter 8 - Water Shortage Contingency Plan:** This chapter references the City's Water Shortage Contingency Plan (WSCP) which is provided as an appendix.
- **Chapter 9 - Demand Management Measures:** This chapter describes the City's efforts to promote conservation, reduce water demand, and describes the City's demand management measures.
- **Chapter 10 - Plan Adoption, Submittal, and Implementation:** This chapter describes the steps taken to adopt and submit the 2020 UWMP and make it publicly available. This chapter will also describe the City's plan to implement the UWMP.

1.6 Lay Description

Legal Requirements:

CWC Section 10630.5:

Each plan shall include a simple lay description of how much water the agency has on a reliable basis, how much it needs for the foreseeable future, what the agency's strategy is for meeting its water needs, the challenges facing the agency, and any other information necessary to provide a general understanding of the agency's plan.

The UWMP describes the City's water system, characterizes water use, describes the water supply sources for the City, and analyzes the reliability of the City's water service for normal, dry, and 5-year drought conditions for the next 20 years. To further improve the reliability of the City's water system, the WSCP identifies strategies to implement during water shortages and describes procedures for identifying the potential of a water shortage in the current year.

The City water system has eight (8) groundwater production wells. In 2020, the City supplied 5,216 acre-feet (AF) of potable water to 7,809 active connections. Potable water demands are projected to increase to 5,712 AF by 2040 due to increases in the City population. The City's water supply is projected to sufficiently meet expected demands.

The Modesto groundwater subbasin, which is currently the City's only water source, is a high priority basin. The continued implementation of water conservation measures and participation in regional activities to address the sustainable management of the groundwater basin are critical components for the long-term reliability of the City's water system.

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2 Plan Preparation

This chapter provides information on the processes used for developing the 2020 UWMP, including coordination and outreach efforts.

2.1 Basis for Preparing a Plan

Legal Requirements:

CWC Section 10617:

“Urban water supplier” means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems.

CWC Section 10620:

(b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.

CWC Section 10621:

(a) Each urban water supplier shall update its plan at least once every five years on or before July 1, in years ending in six and one, incorporating updated and new information from the five years preceding each update.

2.1.1 Public Water Systems

The CWC defines an urban water supplier as “a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or supplies more than 3,000 acre-feet (AF) of potable water annually at retail for municipal purposes.” **Table 2-1 (DWR Table 2-1)** documents the number of municipal connections and the volume of water supplied in 2020. The City is considered an urban retail water supplier.

Table 2-1 – Public Water Systems (DWR Table 2-1)

Submittal Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
<i>Add additional rows as needed</i>			
CA5010014	City of Oakdale	7,809	5,216
TOTAL		7,809	5,216
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES: AF			

2.2 Individual Planning and Compliance

Water agencies are given the option to develop UWMPs individually or collectively as a regional group. While efforts to prepare the UWMP were coordinated with appropriate agencies, this UWMP was developed for the City service area only, and the City is not participating in a Regional UWMP (**Table 2-2 (DWR Table 2-2)**).

Table 2-2 – Plan Identification Type (DWR Table 2-2)

Submittal Table 2-2: Plan Identification		
Select Only One	Type of Plan	Name of RUWMP or Regional Alliance <i>if applicable</i> (select from drop down list)
<input checked="" type="checkbox"/>	Individual UWMP	
	<input type="checkbox"/>	Water Supplier is also a member of a RUWMP
	<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)	
NOTES:		

2.3 Fiscal or Calendar Year and Units of Measure

Legal Requirements:

*CWC Section 10608.20:
(a)(1) Urban retail water suppliers...may determine the targets on a fiscal year or calendar year basis.*

The City’s 2020 UWMP has been prepared on a calendar year basis and includes planning data for the complete year of 2020. The City’s reporting of water volumes in this 2020 UWMP is reported in AF. **Table 2-3 (DWR Table 2-3)** summarizes the City’s reporting methods for this 2020 UWMP.

Table 2-3 – Supplier Identification (DWR Table 2-3)

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
<input type="checkbox"/>	Supplier is a wholesaler
<input checked="" type="checkbox"/>	Supplier is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables are in calendar years
<input type="checkbox"/>	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP * (select from drop down)	
Unit	AF
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES:	

2.4 Coordination and Outreach

Legal Requirements:

CWC Section 10631:

(h) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (f). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (f).

The UWMPA requires that the UWMP identify the water agency's coordination with appropriate nearby agencies. While preparing the 2020 UWMP, the City coordinated its efforts with relevant agencies to ensure that the data and issues are presented accurately.

2.4.1 Wholesale and Retail Coordination

The main source of water for the City is groundwater. The City currently does not receive wholesale water. The City has an agreement with the Oakdale Irrigation District (OID) for wholesale water supplies, however, has not requested deliveries to-date. Refer to **Table 2-4 (DWR Table 2-4)**.

Table 2-4 – Water Supplier Information Exchange (DWR Table 2-4)

Submittal Table 2-4 Retail: Water Supplier Information Exchange
The retail Supplier has informed the following wholesale supplier(s) of projected water use in accordance with Water Code Section 10631.
Wholesale Water Supplier Name
<i>Add additional rows as needed</i>
Oakdale Irrigation District
NOTES: City of Oakdale has an agreement with Oakdale Irrigation District for wholesale supplies, however, has not requested deliveries to-date. Main source of water for the City of Oakdale is groundwater.

2.4.2 Coordination with Other Agencies and the Community

Legal Requirements:

CWC Section 10620:

(d)(3) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.

CWC Section 10642:

Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan...

The City provided a 60-day notice regarding preparation of the 2020 UWMP to Stanislaus County and OID. Additionally, regional documents described in Section 1.4 which have been developed in coordination with other agencies in the area, were reviewed during development of this document.

The City has encouraged community participation in the preparation of the UWMP. A public hearing will be held for review and comment on the draft UWMP before City Council approval. Additionally, copies of the draft and final UWMP will be posted on the City's website homepage.

2.4.3 Notice to Cities and Counties

Legal Requirements:

CWC Section 10621(b):

Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.

In accordance with the UWMPA, formal, written notification was provided at least 60 days prior to the public hearing of the plan to Stanislaus County. **Appendix C** contains copies of the outreach documents.

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3 System Description

The UWMPA requires that the UWMP include a description of the water purveyor's service area and various aspects of the area served including climate, population, and other demographic factors.

3.1 General Description

Legal Requirements:

CWC Section 10631:

(a) Describe the service area of the supplier, including current and projected population, climate, and other social, economic, and demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available. The description shall include the current and projected land uses within the existing or anticipated service area affecting the supplier's water management planning. Urban water suppliers shall coordinate with local or regional land use authorities to determine the most appropriate land use information, including, where appropriate, land use information obtained from local or regional land use authorities, as developed pursuant to Article 5 (commencing with Section 65300) of Chapter 3 of Division 1 of Title 7 of the Government Code.

The City is located at the base of the foothills of the Sierra Nevada Mountains in eastern Stanislaus County, California, approximately 15 miles northeast of Modesto, 20 miles north of Turlock, 22 miles east of Manteca, and 30 miles southeast of Stockton. Other smaller cities surrounding Oakdale include Escalon (9 miles northwest), Riverbank (5 miles west), Waterford (10 miles southeast), Hughson (13 miles south), and Ceres (18 miles southwest). The City is located on the northeast side of Stanislaus County, on the Stanislaus River, at the intersections of Highway 120 and 108.

Oakdale is a community with a rich agricultural heritage. The City was officially incorporated in 1906. It is among many diverse communities in the Central Valley of California that was established through the hard work and dedication of many individuals committed to a common vision of prosperity and opportunity. It is proud of its provincial setting and strong sense of community. Oakdale is the self-proclaimed "Cowboy Capital of the World."

3.2 Service Area and Boundary Maps

The topography of Oakdale is generally flat, with rolling hills southeast and northwest of the City limits. Historically, the City and surrounding area have been used for orchards and other agricultural operations. There are pockets of active agricultural lands within the city limits, with most of the lands surrounding Oakdale still in agricultural or rural use. Some lands both within and outside of the City have been designated as Prime Farmland, Farmland of Statewide Importance, and Unique Farmland by the California Department of Conservation Farmland Monitoring and Mapping Program (FMMP). Some of these properties are under Williamson Act contracts (California Land Conservation Act of 1965).

According to the Water Master Plan, in 2010 the City consisted of 3,903 developed acres. Build-out capacity was projected to consist of 12,881 developed acres.

The City provides public services within its boundaries, which includes water supply. The water system includes groundwater wells, distribution piping and appurtenance, 1.0 million gallon (MG) of storage (completed in 2014), and booster pumping stations. The water service area is divided into two pressure zones due to changes in topography. Ground elevations range from approximately 150-feet (west) to approximately 215-feet (northeast). **Figure 3-1** illustrates the boundary of the City water supply service area. **Figure 3-2** shows a map of the existing water system.



Legend

- Oakdale City Limits
- Existing Sphere of Influence
- Future Sphere of Influence
- 2030 Planning Area
- Canal
- Stanislaus River

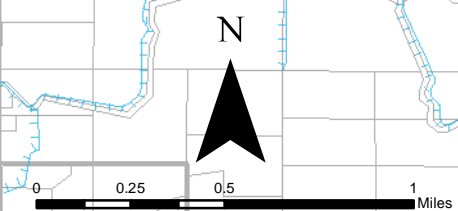
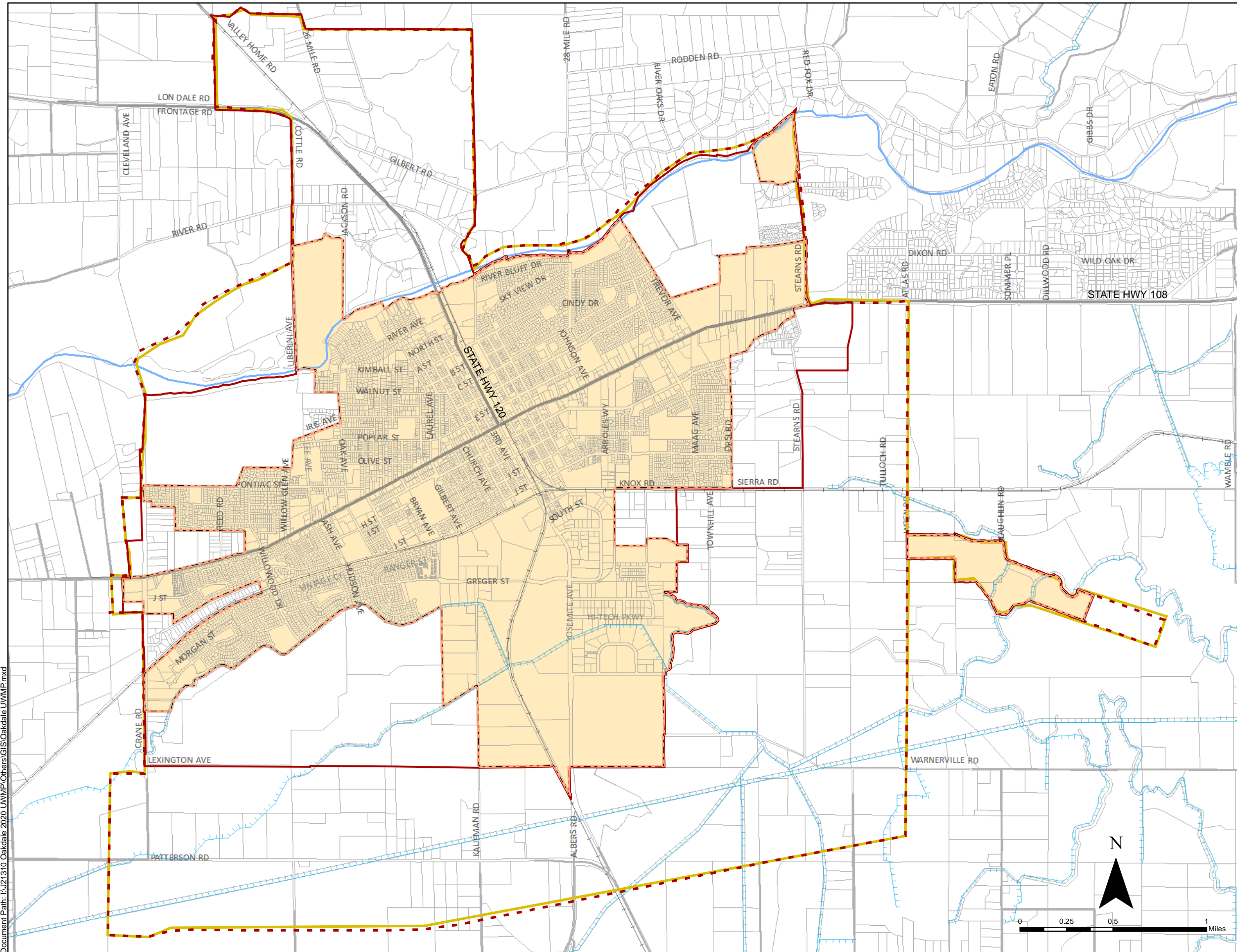
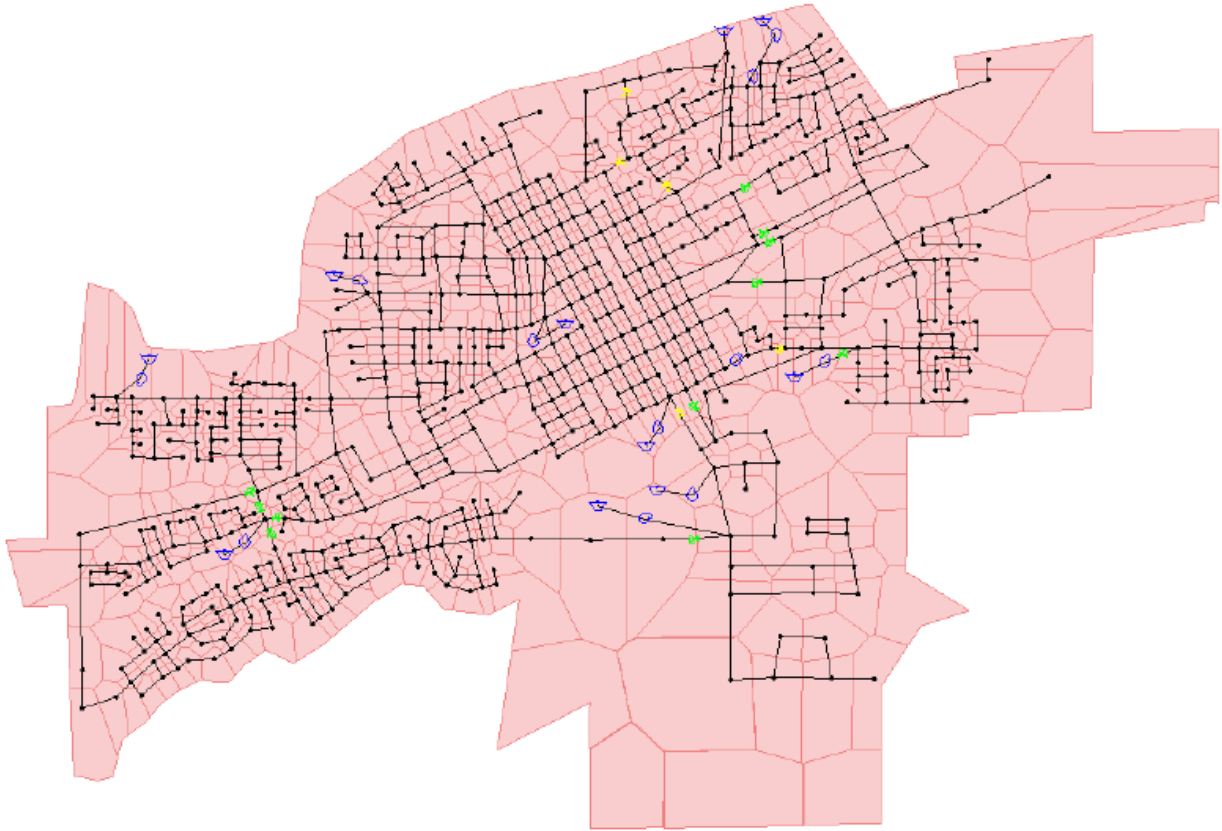


Figure 3-1

**URBAN WATER MANAGEMENT PLAN
Service Area and
Boundary Map**



Figure 3-2 – Existing Water System Map [2]



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3.3 Service Area Climate

The City of Oakdale has a Mediterranean climate. Summers are hot and dry while winters are cold and wet, with an annual average precipitation of approximately 12.2 inches. Most of the annual precipitation occurs between November and April. Average temperatures range from 37.6 degrees Fahrenheit (°F) to 94.3 °F. **Table 3-1** summarizes monthly average evapotranspiration (ETo) rates, rainfall, and maximum and minimum temperature. ETo is the water lost through evaporation from the soil and surface water bodies, combined with plant transpiration. Local data was obtained from California Irrigation Management Information System (CIMIS) Oakdale Station #194 and the Western Regional Climate Center (WRCC) for Modesto, CA (045738).

Table 3-1 – Average Climate Data for the City of Oakdale

Month	Average ETo inches ^(a)	Average Maximum Temperature °F ^(b)	Average Minimum Temperature °F ^(b)	Average Rainfall inches ^(b)
January	1.21	53.8	37.6	2.44
February	2.04	60.09	40.8	2.07
March	3.51	66.9	43.5	1.93
April	4.96	73.3	46.8	1.03
May	6.82	81.2	51.8	0.46
June	8.08	88.3	56.6	0.13
July	8.61	94.3	60.0	0.02
August	7.52	92.3	58.8	0.04
September	5.52	87.8	56.0	0.17
October	3.62	77.9	49.6	0.63
November	1.79	64.6	41.7	1.24
December	1.12	54.4	37.7	2.05
Total	54.8	-	-	12.2

(a) Source: CIMIS Website: www.cimis.water.ca.gov, Station 194 Oakdale, California, Monthly Average ETo Report, Printed March 2021.

(b) Source: WRCC: wrcc.dri.edu, Modesto City CO AP, California (045738), Monthly Climate Summary, March 1906 - June 2016.

3.4 Service Area Population and Demographics

3.4.1 Service Area Population

Legal Requirements:

CWC Section 10631(a):

Describe the service area of the supplier, including current and projected population ...The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.

According to the California Department of Finance (DOF), the City’s population for the year 2020 was 23,109. **Table 3-2 (DWR Table 3-1)** shows the existing and forecasted population for the service area, which will be used to forecast water requirements for the City. The forecasted population for the City is assumes a growth rate of 6.1% every five years (approximately 1.01% annually) based on the population growth observed between 2015 – 2020.

Table 3-2 – Current and Projected Population (DWR Table 3-1)

Submittal Table 3-1 Retail: Population - Current and Projected						
Population Served	2020	2025	2030	2035	2040	2045(opt)
	23,109	24,302	25,557	26,876	28,264	
NOTES: (1) 2020 population from DOF, Table E-5. (2) Projected populations assume a growth rate of 6.1% every five years, based on the 5-year growth rate from 2015 - 2020 where population increased from 21,781 to 23,109.						

3.4.2 Other Social, Economic, and Demographic Factors

Legal Requirements:

CWC Section 10631:

(a) Describe the service area of the supplier, including... other social, economic and demographic factors affecting the supplier’s water management planning.

The median household income in the City from 2015-2019 (in 2019 dollars) was \$64,555, and the poverty rate was 12.2%. According to the United State (U.S.) Census Bureau, the persons per household is 2.91 and the population density is 3,420 people per square mile. Approximately 85% of the population has attained a high school diploma and 19% of the population has attained a bachelor’s degree or higher. The racial makeup of Oakdale consists of White, African American, Native American, Asian, Pacific Islander, and Hispanic or Latino as shown in **Table 3-3**.

Table 3-3 – Demographic Factors

Parameter	Value
Age and Sex	
Persons under 5 years, percent	8.2%
Persons under 18 years, percent	28.7%
Persons 65 years and over, percent	11.4%
Female persons, percent	51.9%
Race and Hispanic Origin	
White alone, percent	85.0%
Black or African American alone, percent	0.3%
American Indian and Alaska Native alone, percent	0.6%
Asian alone, percent	2.2%
Native Hawaiian and Other Pacific Islander alone, percent	0.0%
Two or More Races, percent	4.1%
Hispanic or Latino, percent	33.5%
White alone, not Hispanic or Latino, percent	60.9%

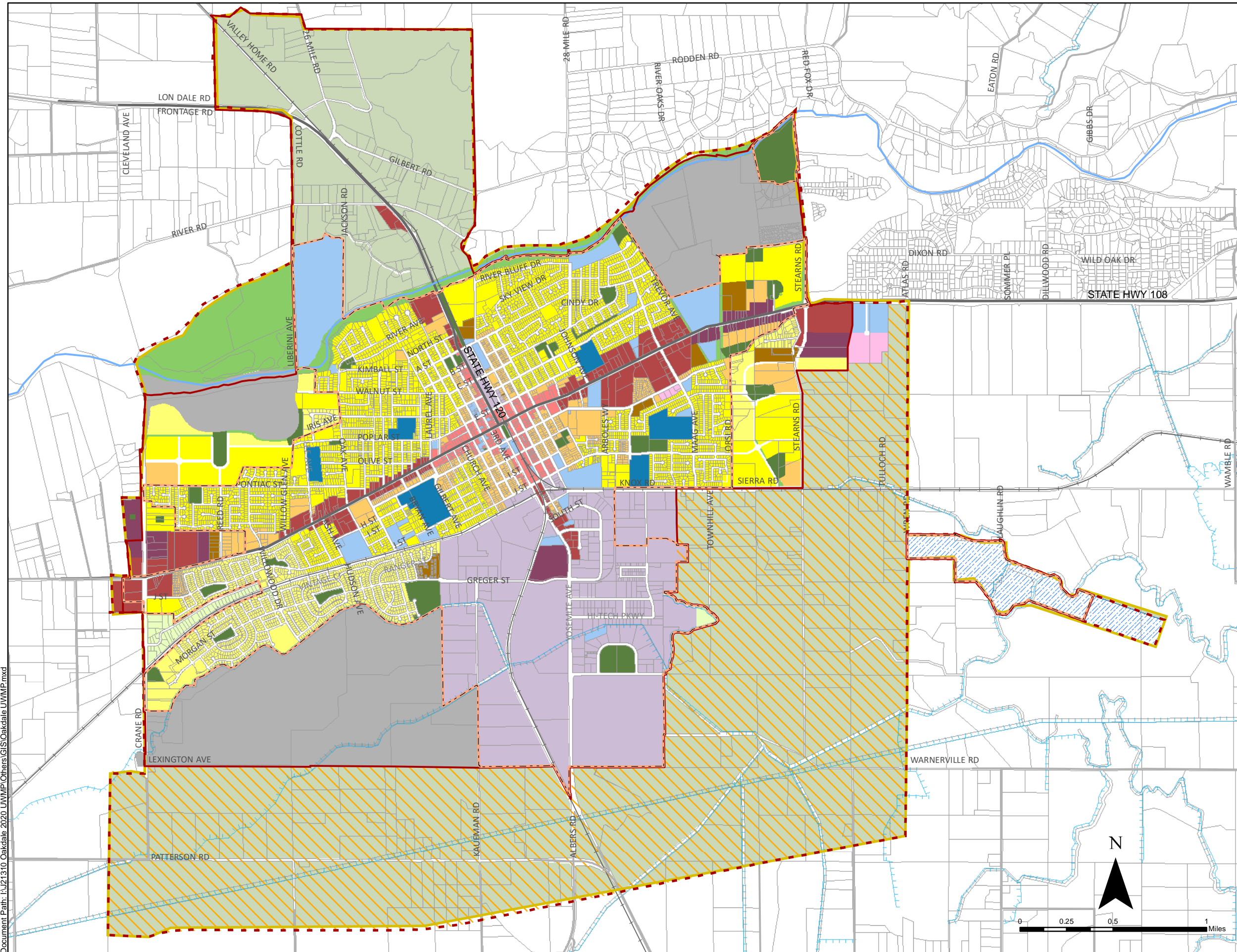
Source: US Census Bureau for Oakdale City, California, QuickFacts, July 1, 2019.

3.5 Land Uses within Service Area

Existing land uses within the City are generally characterized by established and newer suburban style residential neighborhoods, a historic downtown area, commercial corridors, a large industrial area, public/semi-public uses, and parkland. Uses surrounding the City, including its sphere of influence, consist primarily of agriculture with active field crops, orchards, dairy production, pastureland, and/or livestock grazing. Some of these areas also include large lot suburban or rural estate homes. Existing land use and associated acres for the City from the Water Master Plan are summarized in **Table 3-4**. **Figure 3-3** shows the 2030 General Plan land use diagram.

Table 3-4 – Existing Land Use and Associated Area

Land Use Designation	Developed Area, net acres	Undeveloped Area, gross acres	Total, net acres
<i><u>Residential</u></i>			
Residential Agricultural	22		22.2
Rural Estate (3-acre min)	4		4.1
Single-Family Residential	930	152	1,081.5
Multi-Family Residential	152	56	208.2
Mobile Home Park	30		29.5
Flex Use	0		0.0
<i>Subtotal</i>	1,138	208	1,345.7
<i><u>Non-residential</u></i>			
Mixed Use	0	3	3.0
General Commercial	222	42	263.5
Industrial	546	385	931.1
Office	1		0.5
Flex Use	0		0.0
<i>Subtotal</i>	768	430	1,198.2
<i><u>Other</u></i>			
Agricultural	1		0.9
Public/Semi-Public	414	41	454.5
Golf Course	0		0.5
Open Space	22		21.7
Park	145	14	158.8
Basin	4		3.6
ROW	722		721.7
<i>Subtotal</i>	1,307	55	1,361.6
<i>Total</i>	3,212	693	3,905.5

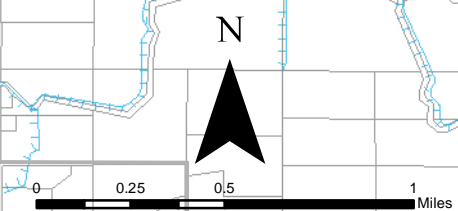


Legend

- Oakdale City Limits
- Existing Sphere of Influence
- Future Sphere of Influence
- 2030 Planning Area
- Stanislaus River
- Canal
- Residential Neighborhoods**
- Rural Estate (RE)
- Very Low Density Residential (VLDR)
- Low Density Residential (LDR)
- Medium Density Residential (MDR)
- High Density Residential (HDR)
- Commercial & Employment**
- General Commercial (GC)
- Central Business District (CBD)
- Office (OFF)
- Industrial (IND)
- Mixed Uses**
- Flex Use (FLEX)
- Public Uses & Open Space**
- Public and Semi-Public (PSP)
- Airport (AP)
- School (SCH)
- Park (P)
- Open Space (OS)
- Agriculture (AG)
- Other**
- Future Specific Plan
- Area of Concern

Figure 3-3

URBAN WATER MANAGEMENT PLAN
Land Use Diagram



4 Water Use Characterization

This chapter describes and quantifies the current and projected water demands within the City's service area.

4.1 Non-Potable versus Potable Water Use

The City currently uses groundwater as its sole source of water supply. Other sources of water may include surface water (Stanislaus River water via OID), and recycled wastewater from the City's Wastewater Treatment Plant (WWTP). The current WWTP can produce disinfected tertiary recycled wastewater quality, although additional improvements would be needed to meet State requirements for its use for landscape irrigation, construction water supply, etc.

4.2 Past, Current, and Projected Water Use by Sector

Legal Requirements:

CWC Section 10635:

(a) Every urban water Supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

CWC Section 10631(d):

(1) For an urban retail water supplier, quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, based upon information developed pursuant to subdivision (a), identifying the uses among water use sectors, including, but not necessarily limited to, all of the following...

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

(4)(A) Water use projections, where available, shall display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following: (i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections. (ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.

The following sections describe past, current, and projected water use within the City for each of the ten (10) water use sectors identified in CWC Section 10631(d).

4.2.1 Water Use Sectors Listed in Water Code

Legal Requirements:

CWC Section 10631(d):

(1) For an urban retail water supplier, quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, based upon information developed pursuant to subdivision (a), identifying the uses among water use sectors, including, but not necessarily limited to, all of the following:

(A) Single-family residential.

(B) Multifamily.

(C) Commercial.

(D) Industrial.

(E) Institutional and governmental.

(F) Landscape.

(G) Sales to other agencies.

(H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.

(I) Agricultural.

(J) Distribution system water loss.

The water use sectors that are served by the water system include single-family residential, multi-family residential, commercial, industrial, institutional and governmental, and landscape irrigation. These classifications were used to analyze current consumption patterns among various types of customers. These classifications are defined by the DWR 2020 Guidebook and City as follows:

- **Single-family Residential** – A single-family dwelling unit. A lot with a free-standing building containing one dwelling unit that may include a detached secondary dwelling.
- **Multi-family** – Multiple dwelling units contained within one building or several buildings within one complex.
- **Commercial** – A water user that provides or distributes a product or service.
- **Industrial** – A water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System (NAICS) code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.
- **Institutional/Governmental** – A water user dedicated to public service. This type of user includes, among other users, higher-education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.
- **Landscape** – Water connections supplying water solely for landscape irrigation.
- **Distribution System Water Losses** – Water losses occur which due to distribution system leaks and other unmetered water uses (such as firefighting, main flushing, etc.).

4.2.2 Water Use Sectors in Addition to Those Listed in Water Code

The water system does not serve additional water use sectors.

4.2.3 Past Water Use

The City’s past water use for 2016-2019 is shown in **Table 4-1**.

Table 4-1 – Past Water Use (2016-2019)

Year	Water Use (AF)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2016	197	129	163	224	309	449	564	659	442	467	273	221	4,098
2017	171	141	146	230	275	548	535	604	678	417	393	251	4,389
2018	190	191	207	195	281	526	474	734	594	444	300	175	4,312
2019	186	140	175	386	454	552	726	626	496	458	277	159	4,635

4.2.4 Distribution System Water Loss

Legal Requirements:

CWC Section 10631(d)(1):

For an urban retail water supplier, quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, based upon information developed pursuant to subdivision (a), identifying the uses among water use sectors, including, but not necessarily limited to, all of the following...

(J) Distribution system water loss....

CWC Section 10631(d)(3):

(A) The distribution system water loss shall be quantified for each of the five years preceding the plan update, in accordance with rules adopted pursuant to Section 10608.34.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

(C) In the plan due July 1, 2021, and in each update thereafter, data shall be included to show whether the urban retail water supplier met the distribution loss standards enacted by the board pursuant to Section 10608.34.

The last five years of water loss audit reporting are summarized in **Table 4-2 (DWR Table 4-4)**. The water loss audits for 2016-2019 are in **Appendix D**.

Table 4-2 – Last Five Years of Water Loss Audit Reporting (DWR Table 4-4)

Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss ^{1,2}
01/2016	216
01/2017	438
01/2018	545
01/2019	-170
01/2020	404
¹ Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet. ² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES: Water loss audit reporting started in 2016. Water loss for reporting period start date of 01/2020 was estimated based on available well production and water usage data. The loss audit report for 01/2020 - 12/2020 was not available when the 2020 UWMP was completed.	

CWC Section 10608.34(i) directs the State Water Board to “adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses.” The proposed regulation would require urban water suppliers to meet individual volumetric water loss standards determined through a water system-specific economic model developed by the State Water Board. Pursuant to this law, urban retail water suppliers, such as the City, have annually submitted water loss audits to DWR since October 2017. Pre-rulemaking meetings and workshops were held in 2018-2020 and adoption of the proposed regulation is anticipated to occur in 2021. Once the economic model is finalized, the City can determine their individual volumetric water loss standard.

4.2.5 Current Water Use

Table 4-3 (DWR Table 4-1) shows potable water use for 2020 by water use type.

Table 4-3 – Demands for Potable and Non-Potable Water – Actual (DWR Table 4-1)

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable ¹ Water - Actual			
Use Type	2020 Actual		
<p>Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</p>	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume ²
Add additional rows as needed			
Single Family		Drinking Water	3,017
Multi-Family		Drinking Water	286
Commercial		Drinking Water	329
Institutional/Governmental		Drinking Water	333
Landscape		Drinking Water	848
Losses		Drinking Water	403
TOTAL			5,216
<p>¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.</p> <p>² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</p>			
NOTES:			

4.2.6 Projected Water Use

Legal Requirements:

CWC Section 10635 (a):

Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

Water Code Section 10631:

(h) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available... The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (f). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (f).

CWC Section 10631(d)(4):

(A) Water use projections, where available, shall display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following:

(i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections.

(ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.

Table 4-4 (DWR Table 4-2) summarizes the projected water use by use type for 2025 through 2040. The water use in **Table 4-4 (DWR Table 4-2)** was calculated using the following assumptions:

- 2020 Target SB X7-7 of 180 gallons per capita per day, further described in Chapter 5
- Population projections presented in **Table 3-2 (DWR Table 3-1)**
- Percentage water use by use type for future years was the same as for 2020

The projections are conservative and do not consider potential water use reductions from codes, standards, ordinances, or transportation and land use plans.

Table 4-4 – Use for Potable and Raw Water – Projected (DWR Table 4-2)

Submittal Table 4-2 Retail: Use for Potable and Non-Potable ¹ Water - Projected						
Use Type	Additional Description (as needed)	Projected Water Use ² <i>Report To the Extent that Records are Available</i>				
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2025	2030	2035	2040	2045 (opt)
Add additional rows as needed						
Single Family		2,840	2,987	3,141	3,304	
Multi-Family		270	283	298	313	
Commercial		309	325	342	360	
Institutional/Governmental		313	329	346	364	
Landscape		799	840	884	929	
Losses		379	399	420	441	
TOTAL		4,911	5,165	5,431	5,712	
¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4. ² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES:						

Table 4-5 (DWR Table 4-3) summarizes the total projected potable and non-potable water use in five-year increments from 2020 to 2040.

Table 4-5 – Total Gross Water Use (Potable and Non-Potable) (DWR Table 4-3)

Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)						
	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable <i>From Tables 4-1R and 4-2 R</i>	5,216	4,911	5,165	5,431	5,712	0
Recycled Water Demand ¹ <i>From Table 6-4</i>	0	0	0	0	0	0
Optional Deduction of Recycled Water Put Into Long-Term Storage ²						
TOTAL WATER USE	5,216	4,911	5,165	5,431	5,712	0
¹ Recycled water demand fields will be blank until Table 6-4 is complete ² Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier <i>may</i> deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.						
NOTES:						

4.2.7 Characteristic Five-Year Water Use

Legal Requirements:

CWC Section 10635(b):

Every urban water supplier shall include, as part of its urban water management plan, a drought risk assessment for its water service to its customers as part of information considered in developing the demand management measures and water supply projects and programs to be included in the urban water management plan. The urban water supplier may conduct an interim update or updates to this drought risk assessment within the five-year cycle of its urban water management plan update. The drought risk assessment shall include each of the following...

(3) A comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period. [Emphasis added]

(4) Considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.

Table 4-6 shows the summarized characteristic five-year water use. The projections assume a straight-line population growth between 2020 and 2025 and a water demand of 180 gallons per capita per day (gpcd). The per capita water demand is based on an unconstrained water demand of 180 gpcd, equivalent to the SB X7-7 2020 target water demand shown in **Table 5-1 (DWR Table 5-1)**.

Table 4-6 – Characteristics Five-Year Water Use

Description	Year				
	2021	2022	2023	2024	2025
Per capita water use, gpcd ^a	180	180	180	180	180
Population ^b	23,343	23,579	23,818	24,059	24,302
Total water use, AF	4,717	4,765	4,813	4,862	4,911

^a Assumes an unconstrained water demand of 180 gpcd, equivalent to the SB X7-7 2020 target demand from **Table 5-1 (DWR Table 5-1)**.

^b Projections assume a straight-line increase in population from the 2020 and 2025 population data presented in **Table 3-2 (DWR Table 3-1)**.

4.3 Water Use for Lower Income Households

Legal Requirements:

CWC Section 10631.1:

(a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

California Health and Safety Code Section 50079.5 (a):

“Lower income households” means persons and families whose income does not exceed the qualifying limits for lower income families... In the event the federal standards are discontinued, the department shall, by regulation, establish income limits for lower income households for all geographic areas of the state at 80 percent of area median income, adjusted for family size and revised annually.

The UWMP is required to account for lower income household water demands. Lower income households are defined as families with an income less than 80 percent of the area median income, adjusted for family size. U.S. Census data from the 2015-2019 American Community Survey 5-Year Estimates report an average of 2.91 persons per household and approximately 952 lower income households within the City, equating to an estimated 2,771 residents. Projected water demands associated with lower income residential water users through year 2040 are presented in **Table 4-7**. The projections assume the proportion of lower income residents to total residents remains constant and per capita water demands of 186 for 2020 and 180 gpcd for 2025 and beyond.

Table 4-7 – City of Oakdale Lower Income Household Water Demand

Description	Year				
	2020	2025	2030	2035	2040
Total water use, AF ^a	4,813	4,911	5,165	5,431	5,712
Total population ^b	23,109	24,302	25,557	26,876	28,264
Lower income population ^c	9,370	9,854	10,363	10,898	11,460
Lower income water demand, AF	1,951	1,991	2,094	2,202	2,316

^a Total water use is from **Table 4-5 (DWR Table 4-3)**

^b Total population is from **Table 3-2 (DWR Table 3-1)**

^c Lower income population income distribution, and persons per household. Projected lower income population to total population was assumed to be the same as for 2020.

As shown in **Table 4-8 (DWR Table 4-5)**, lower income demand projections presented in **Table 4-7** are included in the total water use projections provided in **Table 4-5 (DWR Table 4-3)**.

Table 4-8 – Inclusion in Water Use Projections (DWR Table 4-5)

Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.	
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes
NOTES:	

4.4 Climate Change Considerations

Legal Requirements:

CWC Section 10630:

It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied, while accounting for impacts from climate change.

CWC Section 10635(b):

Every urban water supplier shall include, as part of its urban water management plan, a drought risk assessment for its water service to its customers as part of information considered in developing the demand management measures and water supply projects and programs to be included in the urban water management plan. The urban water supplier may conduct an interim update or updates to this drought risk assessment within the five-year cycle of its urban water management plan update. The drought risk assessment shall include each of the following...

(4) Considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.

The Oakdale Climate Action Plan (CAP) serves to outline strategies, goals, and actions for reducing municipal and community-wide greenhouse gas (GHG) emissions. The CAP has been structured to ensure that the City does its part to meet the mandates of California’s Global Warming Solutions Act of 2006 (AB 32), while taking into account the City’s 2030 General Plan vision for future growth. AB 32 requires jurisdictions to reduce greenhouse gas emissions to be at or below 1990 levels by 2020.

The CAP provides a roadmap for the City to be proactive in reducing GHGs through a series of local actions. Although the CAP is considered a “stand alone” policy document, the strategies presented in the CAP are incorporated into the 2030 General Plan, where appropriate, and are consistent with the goals, policies, and implementation included in the General Plan.

The CAP includes the following components:

- A GHG inventory for 2005 and for future forecasted years 2020 and 2030;
- A GHG reduction goal of 29% below business-as-usual emissions for 2020;
- Identification and transparent quantification of state-level GHG reduction strategies;
- Identification and transparent cost/benefit quantification of feasible reduction strategies and actions;
- Identification of implementation steps and financing mechanisms to achieve the GHG reduction goal;
- Procedures for monitoring and updating the GHG inventory and reduction measures every five years; and
- Identification of an implementation schedule and responsible parties for implementation.

As required by the CWC, a drought risk assessment was prepared as part of the 2020 UWMP and is described in Chapter 7.

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5 SB X7-7 Baselines, Targets, and 2020 Compliance

With the adoption of the Water Conservation Act of 2009, also known as the SB X7-7, the State of California was required to reduce urban per capita water use by 20 percent by the year 2020 (i.e., “20 by 2020”). CWC Section 10608.16(a) states: “The state shall achieve a 20-percent reduction in urban per capita water use in California on or before December 31, 2020.” To achieve this statewide objective, the California Legislature required each urban retail water supplier subject to the UWMPA to develop an urban water use target to help the state collectively achieve a 20-percent reduction.

This chapter provides a description of the methodology used to calculate the City’s compliance with SB X7-7 requirements. The SB X7-7 Verification Form from the 2015 UWMP and the SB X7-7 Compliance Form are included in **Appendix E**.

5.1 Baseline and Target Calculations for 2020 UWMPs

Legal Requirements:

CWC Section 10608.20 (g):

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).

The City calculated their SB X7-7 baselines and targets in their 2015 UWMP and did not have a situation, such as a change to the service area or customer base, to warrant recalculation of the baselines and targets. **Table 5-1 (DWR Table 5-1)** summarizes the SB X7-7 baseline and confirmed 2020 target from the SB X7-7 Verification Form.

Table 5-1 – Baselines and Targets Summary from SB X7-7 Verification Form (DWR Table 5-1)

Submittal Table 5-1 Baselines and Targets Summary From SB X7-7 Verification Form <i>Retail Supplier or Regional Alliance Only</i>				
Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	2001	2010	226	180
5 Year	2003	2007	231	
*All cells in this table should be populated manually from the supplier's SBX7-7 Verification Form and reported in Gallons per Capita per Day (GPCD)				
NOTES:				

5.2 Methods for Calculating Population and Gross Water Use

This section describes the methods used for calculating population and gross water use for determining 2020 compliance with the SB X7-7 target.

5.2.1 Service Area Population

Legal Requirements:

CWC Section 10608.20(e):

An urban retail water supplier shall include in its urban water management plan due in 2010...the baseline per capita water use...along with the bases for determining those estimates, including references to supporting data.

(f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.

CWC Section 10644:

(a)(2) The plan...shall include any standardized forms, tables or displays specified by the department.

To calculate the compliance year gpcd, the population served in 2020 was estimated using DOF data. U.S. Census 2020 decennial data was not available in time for completion of the 2020 UWMP. The service area boundaries for the City water system correspond by 95 percent or more with the boundaries of the City and, therefore, the DOF data for the City could be used for the service area population according to the 2020 DWR Guidebook. The service area population for 2020 is estimated as 23,109, as shown in **Table 3-2 (DWR Table 3-1)**.

5.3 Gross Water Use

Legal Requirements:

CWC Section 10608.12:

(g) "Gross Water Use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:

- (1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier*
- (2) The net volume of water that the urban retail water supplier places into long term storage*
- (3) The volume of water the urban retail water supplier conveys for use by another urban water supplier*
- (4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.*

California Code of Regulations Title 23 Division 2 Chapter 5.1 Article Section 596 (a):

An urban retail water supplier that has a substantial percentage of industrial water use in its service area is eligible to exclude the process water use of existing industrial water customers from the calculation of its gross water use to avoid a disproportionate burden on another customer sector.

Gross water use is defined as the measurable amount of water that enters the distribution system over a 12-month period, minus allowable exclusions. The gross water use for 2020 was 4,813 AF, as reported in **Table 4-3 (DWR Table 4-1)** and SB X7-7 Table 4 of the SB X7-7 2020 Compliance Form provided in **Appendix E**.

5.4 2020 Compliance Daily Per-Capita Water Use (GPCD)

Legal Requirements:

CWC Section 10608.12:
(f) "Compliance daily per-capita water use" means the gross water use during the final year of the reporting period...

CWC Section 10608.20:
(e) An urban retail water supplier shall include in its urban water management plan due in 2010 . . . compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.

The City has calculated its actual 2020 water use for the 2020 calendar year in accordance with Methodology 3 of DWR's *Methodologies* document. As shown in **Table 5-2 (DWR Table 5-2)**, per capita water use in 2020 was 201 gpcd, which is above the 2020 target of 180 gpcd.

Table 5-2 – 2020 Compliance (DWR Table 5-2)

Submittal Table 5-2: 2020 Compliance From SB X7-7 2020 Compliance Form Retail Supplier or Regional Alliance Only				
2020 GPCD			2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* (Adjusted if applicable)		
201	0	201	180	No
*All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)				
NOTES:				

The City is not eligible to receive a water grant or loan from the State of California because the City did not achieve its 2020 Target. The two (2) following exceptions are allowed.

1. Section 10608.56 (c) states that a water supplier shall be eligible for a water loan or grant if it “has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for achieving the per capita reductions.”
2. Section 10608.56 (e) states that a water supplier can also be eligible for a water loan or grant if it “has submitted to the department for approval documentation demonstrating that its entire service area qualifies as a disadvantaged community.”

5.5 Regional Alliance

The City has chosen to comply with the requirements of SB X7-7 on an individual basis and is, therefore, not a participant in a regional alliance for SB X7-7 compliance.

6 Water Supply Characterization

Legal Requirements:

CWC Section 10631(b):

Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a), providing supporting and related information, including all of the following:

(1) A detailed discussion of anticipated supply availability under a normal water year, single dry year, and droughts lasting at least five years, as well as more frequent and severe periods of drought, as described in the drought risk assessment. For each source of water supply, consider any information pertinent to the reliability analysis conducted pursuant to Section 10635, including changes in supply due to climate change.

(2) When multiple sources of water supply are identified, a description of the management of each supply in correlation with the other identified supplies.

(3) For any planned sources of water supply, a description of the measures that are being undertaken to acquire and develop those water supplies.

CWC 10631 (h):

An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (f). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (f).

The UWMPA requires that the UWMP include a description of the agency's existing and future water supply sources for the next 20 years. This chapter will provide the following information:

- Existing and planned sources of water
- Projections of the water supplies over five-year increments through 2040
- Description of anticipated availability under normal, single dry, and five-year droughts
- Description of the management of each supply in correlation
- Description of information pertinent to the reliability of the supplies, including considerations for climate change effects

6.1 Narrative Sections for Supplier's UWMP Water Supply Characterization

6.1.1 Purchase or Imported Water

The City does not currently purchase or import water from any other water supply or entity. The City lies within the OID boundaries and has access to a surface water source through OID. The City has an agreement with the OID for wholesale water supplies, however, has not requested deliveries in the past.

6.1.2 Groundwater

Legal Requirements:

CWC Section 10631(b)(4):

If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information:

(A) The current version of any groundwater sustainability plan or alternative adopted pursuant to Part 2.74 (commencing with Section 10720), any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management for basins underlying the urban water supplier's service area.

(B) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For a basin that has not been adjudicated, information as to whether the department has identified the basin as a high- or medium-priority basin in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to coordinate with groundwater sustainability agencies or groundwater management agencies listed in subdivision (c) of Section 10723 to maintain or achieve sustainable groundwater conditions in accordance with a groundwater sustainability plan or alternative adopted pursuant to Part 2.74 (commencing with Section 10720).

(C) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(D) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

The City's sole source of drinking water is from the groundwater aquifer underlying the community. The following sections describe the current status of the GSP, the groundwater basin from which the City pumps groundwater, and a detailed description and analysis of the location, amount, and sufficiency of historical and projected groundwater pumping.

6.1.2.1 Groundwater Sustainability Plan

As required by the SGMA, STRGBA GSA and the Tuolumne GSA are developing a GSP for the Modesto Subbasin for adoption by January 31, 2022. Draft sections of the GSP are being prepared as the modeling

tools and data are collected. The draft sections are distributed to the member agencies for review and comment.

6.1.2.2 Groundwater Basin Description

The City is located in the Modesto Subbasin, as shown in **Figure 6-1**. The Modesto Subbasin is not adjudicated and was identified as a high priority basin in the SGMA 2019 Basin Prioritization process.

Figure 6-1 – Modesto Subbasin



The Modesto Subbasin covers 247,000 acres (about 385 square miles) of the larger San Joaquin Valley Groundwater Basin, as defined by DWR (5-22.02) in the 2019 Basin Prioritization. The San Joaquin Valley Groundwater Basin is defined on the west by the Coast Ranges, on the south by the San Emigdio and Tehachapi mountains, on the east by the Sierra Nevada, and on the north by the Sacramento-San Joaquin Delta and Sacramento Valley. The Modesto Subbasin is in the northern portion of the San Joaquin Valley and is bounded on the north by the Stanislaus River, on the south by the Tuolumne River, and on the west by the San Joaquin River. The eastern basin boundary is defined by crystalline basement rocks of the Sierra Nevada Foothills. [3]

The Modesto Subbasin is hydraulically connected with surrounding subbasins along shared river boundaries. Adjacent subbasins include the Turlock Subbasin south of the Tuolumne River, the Delta-Mendota Subbasin west of the San Joaquin River, and the Eastern San Joaquin Subbasin north of the

Stanislaus River. Of these subbasins, Delta-Mendota and Eastern San Joaquin are listed by DWR as being in critical overdraft. [3]

The hydrogeologic units that comprise the ground water reservoir in the Modesto Subbasin consist of both consolidated and unconsolidated sedimentary deposits. The unconsolidated deposits consist of the lone Formation of Miocene age, the Valley Springs Formation of Eocene age, and the Mehrten Formation. These deposits are located primarily in the eastern portions of the basin. With the exception of the Mehrten Formation, generally, these deposits yield small amounts of water for wells. Given that the Mehrten Formation yields higher volumes than similarly consolidated deposits, it remains an important aspect of the Modesto Subbasin for those accessing groundwater as a resource. The unconsolidated deposits include continental deposits, lacustrine and marsh deposits, older alluvium, younger alluvium, and flood-sub-basin deposits. Of these, the continental and older alluvium deposits are the highest producers in terms of groundwater yields, making them of similar importance to the Mehrten Formation. Younger alluvium deposits can produce moderate yields until reaching maturity.

6.1.2.3 Past Five Years

The historical volume of groundwater pumped by the City over the past five years is provided in **Table 6-1 (DWR Table 6-1)**.

Table 6-1 – Groundwater Volume Pumped (DWR Table 6-1)

Submittal Table 6-1 Retail: Groundwater Volume Pumped						
<input type="checkbox"/>	Supplier does not pump groundwater. The supplier will not complete the table below.					
<input type="checkbox"/>	All or part of the groundwater described below is desalinated.					
Groundwater Type <i>Drop Down List</i> May use each category multiple times	Location or Basin Name	2016*	2017*	2018*	2019*	2020*
<i>Add additional rows as needed</i>						
Alluvial Basin	Modesto Sub Basin 5-22.02	3,354	4,529	3,096	4,381	5,216
TOTAL		3,354	4,529	3,096	4,381	5,216
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES:						

6.1.3 Surface Water

The City has the potential to receive up to 10,000 AF/year (AFY) of surface water through entitlements held by the OID. Currently, City residents pay a fair-share fee as part of their water rate to OID for facility and program maintenance and operation. In 2015, the City Council adopted the Water Master Plan. The Water Master Plan includes funding for planning and implementation of a conjunctive use water supply, whereby the OID entitlement will be used as a potable source. The use of OID surface water protects the City from potential future reductions in groundwater availability due to natural or legislative constraints through a reduced dependability on groundwater and access to a recharge source. The City will continue to investigate full use of the surface water entitlement (10,000 AFY) through active groundwater recharge.

6.1.4 Stormwater

The City maintains and operates its own storm drain system within the City limits. The storm drain system consists of several discharge locations directly into the Stanislaus River, multiple discharge locations along OID facilities, detention basins, dry wells, and French drains. The City utilizes an agreement with OID to discharge excess storm runoff into OID facilities during the fall and winter months while the district is not running irrigation water and the pipelines are drained [4].

6.1.5 Wastewater and Recycled Water

Legal Requirements:

CWC Section 10633:

The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

(a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

(c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.

(d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

(e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.

(f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.

(g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

The UWMPA requires that the UWMP address the opportunities for development of recycled water, including the description of existing recycled water applications, quantities of wastewater currently being treated to recycled water standards, limitations on the use of available recycled water, an estimate of projected recycled water use, the feasibility of said projected uses, and practices to encourage the use of recycled water.

6.1.5.1 Recycled Water Coordination

Legal Requirements:

CWC Section 10633:

The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area...

The City's wastewater is treated at the WWTP. The facility is permitted to treat 2.44 million gallons per day (mgd). Although the facility can produce disinfected tertiary recycled water, use of the effluent for recycled water within the City water service area is unlikely due to the location of the WWTP and the high cost associated with constructing the necessary infrastructure.

6.1.5.2 Wastewater Collection, Treatment, and Disposal

Legal Requirements:

CWC Section 10633(a):

A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

The City wastewater collection system consists of approximately 70 miles of gravity sewers ranging from 4-inch to 27-inch diameter, with 11 pump stations and 11 low pressure force mains. Available data indicates that pipe materials within the system include concrete, vitrified clay, PVC, HDPE, asbestos cement, and tile pipe. The collection system leads to one major 18-inch pipe, referred to as the River Crossing, which begins near the intersection of Kimball Avenue and Oak Avenue and crosses the Stanislaus River to the WWTP.

The WWTP is located at 9700 Liberini Avenue in Oakdale, CA, on the north side of the Stanislaus River, outside of the City's UWMP service area. The site consists of approximately 40 acres. The WWTP was first constructed in the mid-1960s, and has undergone improvement projects in 1984, 1990, 2000, and most recently in 2009. The plant first consisted of headworks, two oxidation lagoons, a secondary clarifier, sludge drying beds, and percolation ponds for disposal. The WWTP currently consists of a head works with screen and grit chamber, two Biolac® aeration basins, two secondary clarifiers, a filter pump station, cloth disk filters, UV disinfection channels, two sludge dewatering presses, sludge drying beds, and percolation ponds.

Tables 6-2 (DWR Table 6-2) and 6-3 (DWR Table 6-3) summarize information regarding the wastewater collection, treatment, and discharge within the service area in 2020.

Table 6-2 – Wastewater Collected within Service Area in 2020 (DWR Table 6-2)

Submittal Table 6-2 Retail: Wastewater Collected Within Service Area in 2020						
<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.					
100	Percentage of 2020 service area covered by wastewater collection system (optional)					
100	Percentage of 2020 service area population covered by wastewater collection system (optional)					
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? Drop Down List	Volume of Wastewater Collected from UWMP Service Area 2020 *	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? Drop Down List	Is WWTP Operation Contracted to a Third Party? (optional) Drop Down List
City of Oakdale	Metered	1,556	City of Oakdale	Oakdale	No	No
Total Wastewater Collected from Service Area in 2020:		1,556				
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES:						

Table 6-3 – Wastewater Treatment and Discharge within Service Area in 2020 (DWR Table 6-3)

Submittal Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2020											
<input checked="" type="checkbox"/>	No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.										
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional) ²	Method of Disposal Drop down list	Does This Plant Treat Wastewater Generated Outside the Service Area? Drop down list	Treatment Level Drop down list	2020 volumes ¹				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
Total							0	0	0	0	0
¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3. ² If the Wastewater Discharge ID Number is not available to the UWMP preparer, access the SWRCB CIWQS regulated facility website at https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility											
NOTES:											

6.1.5.3 Recycled Water System Description

Legal Requirements:

CWC Section 10633 (c):

A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.

No recycled water is currently being used in the City's service area.

6.1.5.4 Potential, Current, and Projected Recycled Water Uses

Legal Requirements:

CWC Section 10633:

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

(d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

(e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.

In 2020, the WWTP produced approximately 1,556 AF of effluent capable of meeting recycled water standards. Opportunities for using recycled wastewater include (1) discharge of recycled water to OID and (2) irrigation of nearby areas. Use of recycled water within the City water service area is not considered a cost-effective option because the WWTP is located on the opposite side of the Stanislaus River from the City. Construction of the required infrastructure to distribute the recycled water from the WWTP to potential City users would be costly.

Discharge of recycled water to OID or nearby areas for agricultural irrigation outside the City water service area are considered the most feasible potential uses of recycled water. The City is evaluating the feasibility of discharging recycled water to OID and has initiated discussions with regulatory agencies and OID. Discharge of effluent to OID will require a National Pollutant Discharge Elimination System permit and improvement projects at the WWTP.

Tables 6-4 (DWR Table 6-4) and 6-5 (DWR Table 6-5) summarize the City's 2020 and projected recycled water use.

Table 6-4 – Current and Projected Recycled Water Direct Beneficial Uses Within Service Area (DWR Table 6-4)

Submittal Table 6-4 Retail: Recycled Water Direct Beneficial Uses Within Service Area										
<input checked="" type="checkbox"/> Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.										
Name of Supplier Producing (Treating) the Recycled Water:										
Name of Supplier Operating the Recycled Water Distribution System:										
Supplemental Water Added in 2020 (volume) <i>Include units</i>										
Source of 2020 Supplemental Water										
Beneficial Use Type <i>Insert additional rows if needed.</i>	Potential Beneficial Uses of Recycled Water (Describe)	Amount of Potential Uses of Recycled Water (Quantity) <i>Include volume units¹</i>	General Description of 2020 Uses	Level of Treatment <i>Drop down list</i>	2020 ¹	2025 ¹	2030 ¹	2035 ¹	2040 ¹	2045 ¹ (opt)
Agricultural irrigation										
Landscape irrigation (exc. golf courses)										
Golf course irrigation										
Commercial use										
Industrial use										
Geothermal and other energy production										
Seawater intrusion barrier										
Recreational impoundment										
Wetlands or wildlife habitat										
Groundwater recharge (IPR)										
Reservoir water augmentation (IPR)										
Direct potable reuse										
Other (Description Required)										
Total:					0	0	0	0	0	0
2020 Internal Reuse										
¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.										
NOTES:										

Table 6-5 – 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual (DWR Table 6-5)

Submittal Table 6-5 Retail: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual		
<input checked="" type="checkbox"/>	Recycled water was not used in 2015 nor projected for use in 2020. The supplier will not complete the table below. If recycled water was not used in 2020, and was not predicted to be in 2015, then check the box and do not complete the table.	
Beneficial Use Type	2015 Projection for 2020 ¹	2020 Actual Use ¹
<i>Insert additional rows as needed.</i>		
Agricultural irrigation		
Landscape irrigation (exc golf courses)		
Golf course irrigation		
Commercial use		
Industrial use		
Geothermal and other energy production		
Seawater intrusion barrier		
Recreational impoundment		
Wetlands or wildlife habitat		
Groundwater recharge (IPR)		
Reservoir water augmentation (IPR)		
Direct potable reuse		
Other (Description Required)		
Total	0	0
¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.		
NOTE:		

6.1.5.5 Actions to Encourage and Optimize Future Recycled Water Use

Legal Requirements:

CWC Section 10633:

The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier... and shall include the following:

(g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

As described in earlier sections, recycled water use is not planned as a water source in the City water service area, but other options for optimizing the use of recycled water produced by the WWTP are being explored. **Table 6-6 (DWR Table 6-6)** summarizes this information.

Table 6-6 – Methods to Expand Future Recycled Water Use (DWR Table 6-6)

Submittal Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
<input checked="" type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	Provide page location of narrative in UWMP		
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use *
<i>Add additional rows as needed</i>			
Total			0
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES:			

6.1.6 Desalinated Water Opportunities

Legal Requirements:

*CWC Section 10631(g):
Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.*

Because the City is not located in a coastal area, seawater desalination is not applicable to the City and is not currently considered technically or economically feasible. In addition, the groundwater that underlies the City is not brackish in nature and does not require desalination. As such, the City does not have any plans to incorporate desalinated or treated brackish water into its supply portfolio.

6.1.7 Water Exchanges and Transfers

Legal Requirements:

*CWC Section 10631(c):
Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.*

The City has an agreement with the OID for wholesale supplies, however, has not requested deliveries in any water year.

6.1.8 Future Water Projects

Legal Requirements:

CWC Section 10631 (f):

Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use, as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in normal and single dry water years and for a period of drought lasting five consecutive water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.

City water supply projects and water supply programs to meet the total projected water use described in the Water Master Plan include construction of new wells and a surface water project. A summary of expected future water supply projects is in **Table 6-7 (DWR Table 6-7)**. The Water Master Plan is in the process of being updated and the scope and timing of the projects may change.

Table 6-7 – Expected Future Water Supply Projects or Program (DWR Table 6-7)

Submittal Table 6-7 Retail: Expected Future Water Supply Projects or Programs						
<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
<input type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other suppliers?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Supplier* <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Supplier Name</i>				
<i>Add additional rows as needed</i>						
Surface Water	Yes	Oakdale Irrigation District		2030	All Year Types	5,601
Well 11	No			See notes	All Year Types	161
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES: City Water Master Plan recommended implementation of surface water project studies between 2016-2020. Because the groundwater supply continued to be reliable, the studies were delayed. Planned implementation year for surface water is estimated to be at least ten years from the present. City Water Master Plan recommended implementation of this project in 2019. City is re-evaluating the recommended planned implementation year. Expected increase in water supply for Well 11 was estimated based on a capacity of 2,000 gpm and the well operating 5% of the time.						

6.1.9 Summary of Existing and Planned Sources of Water

Legal Requirements:

CWC Section 10631:

(b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a), providing supporting and related information, including all of the following..

(b)(2) When multiple sources of water supply are identified, a description of the management of each supply in correlation with the other identified supplies.

(h) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (f). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (f).

This section describes the types of water that is supplied to the City and the quantity supplied by each water source.

6.1.9.1 Description of Supplies

Currently, the City exclusively uses groundwater. The City has 10,000 AF of surface water reserve through OID. Based on previous City water planning documents, this 2020 UWMP estimates that potable water from a 5-mgd surface water treatment plant will become an available water supply starting in 2030. When treated surface water is available, the wells will be operated to provide the additional water needed to meet demands.

6.1.9.2 Quantification of Supplies

The 2020 water supplies for the City are summarized in **Table 6-8 (DWR Table 6-8)**. The projected water supplies for the City are summarized in **Table 6-9 (DWR Table 6-9)**.

Table 6-8 – Water Supplies – Actual (DWR Table 6-8)

Submittal Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2020		
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Groundwater (not desalinated)		5,216	Drinking Water	
Total		5,216		0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>				
NOTES:				

Table 6-9 – Water Supplies – Projected (DWR Table 6-9)

Submittal Table 6-9 Retail: Water Supplies — Projected											
Water Supply	Additional Detail on Water Supply	Projected Water Supply * Report To the Extent Practicable									
		2025		2030		2035		2040		2045 (opt)	
		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
Add additional rows as needed											
Groundwater (not desalinated)		4,911		0		0		110			
Surface water (not desalinated)		0		5,601		5,601		5,601			
Total		4,911	0	5,601	0	5,601	0	5,712	0	0	0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>											
NOTES: Groundwater supply is estimated to match remaining water demands which are not met by surface water. Surface water supply listed assumes a 5 mgd surface water treatment plant.											

6.1.10 Special Conditions

Numerous special conditions may affect water supplies. The potential impacts of climate change on the City water supplies were discussed in Section 4.4. Regulatory conditions and other locally applicable criteria are not anticipated to affect the City’s water supply.

6.2 Energy Use

Legal Requirements:

CWC Section 10631.2. (a):

In addition to the requirements of Section 10631, an urban water management plan shall include any of the following information that the urban water supplier can readily obtain:

- (1) An estimate of the amount of energy used to extract or divert water supplies.*
- (2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.*
- (3) An estimate of the amount of energy used to treat water supplies.*
- (4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.*
- (5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.*
- (6) An estimate of the amount of energy used to place water into or withdraw from storage.*
- (7) Any other energy-related information the urban water supplier deems appropriate.*

The City uses energy to pump groundwater from well sites into the distribution system. Energy intensity was calculated using the tables provided by DWR. DWR Table O-1B was selected for reporting the water delivery product energy usage. The energy use tables for retail water delivery, wastewater, and recycled water are provided in **Appendix F**.

7 Water System Reliability

The UWMPA requires that the UWMP address the reliability of the City's long-term water supplies. This includes a description of supply constraints which may impact the supply. Also included is a comparison between the City's supply and demand for a normal year, single-dry year, and five-consecutive year drought.

7.1 Water Service Reliability Assessment

Legal Requirements:

CWC Section 10635(a):

Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

Expected water service reliability pursuant to Section 10631 of the Water Code is assessed in the following sections.

7.1.1 Service Reliability – Constraints on Water Sources

Legal Requirements:

CWC Section 10631 (b)(1):

A detailed discussion of anticipated supply availability under a normal water year, single dry year, and droughts lasting at least five years, as well as more frequent and severe periods of drought, as described in the drought risk assessment. For each source of water supply, consider any information pertinent to the reliability analysis conducted pursuant to Section 10635, including changes in supply due to climate change.

Groundwater has shown to be reliable in all hydrological scenarios modeled in the Water Master Plan and is expected to remain so in the near-term. However, the City recognizes that this is subject to change over time and the City's water program must evolve accordingly. Changes in local hydrology may require that the City implement or accelerate additional source water alternatives. These may include use of recycled water or addition of a surface water supply. The City is currently planning for future use of its surface water entitlements to supplement local groundwater supplies, as defined in its Water Master Plan.

The City's water supplies are adequate for normal, single dry and multiple dry water years. The historical years that were used as the basis for this analysis are shown in DWR Tables. Historically, the City has not had a shortage in supplies, which are currently made up 100% of groundwater, and there have not been any disruptions in deliveries or supplies to date. The probability of widespread water supply interruptions

that may occur during the 20-year horizon is remote, and the City well production is expected to exceed maximum day demands, so failure of a single well will not result in supply deficit. State sustainable groundwater laws will further protect the City's access to local groundwater. Thus, the water supply is projected to be reliable for single dry and droughts lasting at least five years.

7.1.1.1 Legal

The supplies the City relies upon are neither in the process of adjudication nor the subject of any new legislation limiting them. Therefore, the City does not anticipate legal factors influencing the reliability of groundwater within the near term. However, that could change in the future, with the implementation of the SGMA.

7.1.1.2 Environmental

The status of environmental regulation in California is routinely changing due to new legislation, endangered species statuses, and other factors. Should new environmental legislation come into existence, it could potentially impact the City's available supply. The recent water supply reductions in the Delta are an example of environmental water needs versus community water supplies. The City does not anticipate environmental factors influencing groundwater reliability.

7.1.1.3 Water Quality

The City's Consumer Confidence Reports (CCRs) for 2016-2017 show that the City does not meet the total coliform bacteria rule. In 2016 and 2017, more than one sample per month detected the presence of total coliform bacteria. Current water quality testing, as summarized in the City's CCRs for 2018 – 2020 show that the City meets all U.S. Environmental Protection Agency (EPA) and State drinking water health standards. The City's CCRs for 2016 – 2020 are provided in **Appendix G**.

7.1.1.4 Climate Factors

Climate change adds uncertainties to water supply planning. Changes to temperatures and precipitation patterns may impact water demands and supply availability. As discussed in Section 4.4, resource management strategies are being implemented to mitigate the effects of the potential impacts due to climate change.

7.1.2 Service Reliability – Year Type Characterization

This section addresses the reliability of the City's water supply in average, single-dry, and five-consecutive-year drought water years. The City uses the following water year definitions from the DWR 2020 Guidebook:

- **Normal Year:** a year, or an averaged range of years, that most closely represents the average water supply available to the agency. For the purposes of this UWMP, the terms "normal" and "average" are used interchangeably.
- **Single-Dry Year:** the year that represents the lowest water supply available to the agency.
- **Five-Consecutive-Year Drought:** the driest five-year historical sequence for the supplier (Water Code Section 10612).

As discussed in Section 6.1, groundwater supplies are used to meet all the City’s current water needs and are not expected to be affected by severe or prolonged drought conditions. **Table 7-1 (DWR Table 7-1)** shows the basis of water year data as a percentage of average supply. The base years were selected using rainfall data from CIMIS Station 194 in Oakdale.

Table 7-1 – Basis of Water Year Data (DWR Table 7-1)

Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)			
Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available *	% of Average Supply
Average Year	2018	3,096	100%
Single-Dry Year	2013	5,987	190%
Consecutive Dry Years 1st Year	2011	5,291	170%
Consecutive Dry Years 2nd Year	2012	6,147	200%
Consecutive Dry Years 3rd Year	2013	5,987	190%
Consecutive Dry Years 4th Year	2014	4,554	150%
Consecutive Dry Years 5th Year	2015	3,757	120%
<p><i>Supplier may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.</i></p> <p>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</p> <p>NOTES: Volume available was estimated based on the volume pumped for the base year listed. % of Average Water Supply is rounded to the nearest 10%.</p>			

7.1.3 Service Reliability – Supply and Demand Comparison

Legal Requirements:

CWC Section 10635(a):

Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

7.1.3.1 Water Service Reliability – Normal Year

The availability of the City’s water supplies in normal years are described in Chapter 6 and summarized in **Table 7-2 (DWR Table 7-2)**. As shown in **Table 7-2 (DWR Table 7-2)**, the City’s normal year supplies are adequate to meet projected normal year demands. The information in the table is taken from information presented previously in **Tables 4-5 and 6-9 (DWR Tables 4-3 and 6-9)**.

Table 7-2 – Normal Year Supply and Demand Comparison (DWR Table 7-2)

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals (autofill from Table 6-9)	4,911	5,601	5,601	5,712	0
Demand totals (autofill from Table 4-3)	4,911	5,165	5,431	5,712	0
Difference	0	437	170	0	0
NOTES:					

7.1.3.2 Water Service Reliability – Single Dry Year

The City’s water supply and demand for a single dry year are projected to be 90 percent higher than normal year supply for planning purposes, as shown in **Table 7-1 (DWR Table 7-1)**. The projected single dry year supply and demand for 2020 through 2040 is presented in **Table 7-3 (DWR Table 7-3)**. The projections indicate that the City’s single dry year supplies are adequate to meet projected single dry year demands. By 2030, the City’s groundwater supply is assumed to supplement a surface water supply.

Table 7-3 – Single Dry Year Supply and Demand Comparison (DWR Table 7-3)

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	9,331	9,813	10,319	10,852	
Demand totals*	9,331	9,813	10,319	10,852	
Difference	0	0	0	0	0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>					
NOTES: Supply total is equal to the projected Normal Year supply multiplied by 190% per DWR Table 7-1 estimates.					

7.1.3.3 Water Service Reliability – Five-Consecutive-Year Drought

Per CWC Section 10612, the five-consecutive-year drought is the driest five-year historical sequence for the supplier. The City’s water supply and demand for the five-consecutive-year drought are assumed to follow the pattern presented in **Table 7-1 (DWR Table 7-1)**. As shown in **Table 7-4 (DWR Table 7-4)**, the City’s five-consecutive-year drought supplies are adequate to meet projected demands.

Table 7-4 – Multiple Dry-Years Supply and Demand Comparison (DWR Table 7-4)

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	8,349	9,522	9,522	9,710	
	Demand totals	8,349	8,780	9,233	9,710	
	Difference	0	742	289	0	0
Second year	Supply totals	9,822	11,202	11,202	11,423	
	Demand totals	9,822	10,329	10,862	11,423	
	Difference	0	873	340	0	0
Third year	Supply totals	9,331	10,642	10,642	10,852	
	Demand totals	9,331	9,813	10,319	10,852	
	Difference	0	829	323	0	0
Fourth year	Supply totals	7,366	8,402	8,402	8,567	
	Demand totals	7,366	7,747	8,147	8,567	
	Difference	0	655	255	0	0
Fifth year	Supply totals	5,893	6,721	6,721	6,854	
	Demand totals	5,893	6,197	6,517	6,854	
	Difference	0	524	204	0	0
Sixth year (optional)	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
<p>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</p> <p>NOTES: Supply totals are equal to projected Normal Year supply multiplied by % Average Supply Factors in DWR Table 7-1.</p>						

7.1.4 Description of Management Tools and Options

Legal Requirements:

CWC Section 10620(f):

An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

The City is implementing water management tools and options to maximize local resources and minimize the need to import water from other regions.

7.2 Drought Risk Assessment

Legal Requirements:

CWC Section 10635(b):

Every urban water supplier shall include, as part of its urban water management plan, a drought risk assessment for its water service to its customers as part of information considered in developing the demand management measures and water supply projects and programs to be included in the urban water management plan. The urban water supplier may conduct an interim update or updates to this drought risk assessment within the five-year cycle of its urban water management plan update. The drought risk assessment shall include each of the following:

- (1) A description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts five consecutive water years, starting from the year following when the assessment is conducted.*
- (2) A determination of the reliability of each source of supply under a variety of water shortage conditions. This may include a determination that a particular source of water supply is fully reliable under most, if not all, conditions.*
- (3) A comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.*
- (4) Considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.*

This section provides a DRA based on the five driest consecutive years on record and plausible changes in climate, regulations, and other locally applicable criteria. A description of the data and methods used, basis for the supply shortage conditions, determination of the reliability of each source, and comparison of total water supplies and uses during a drought is provided below.

7.2.1 DRA Data, Methods, and Basis for Water Shortage Conditions

The data used for the DRA is historical well data for 2011-2015, the driest five-year historical sequence for the City, and other historical records regarding the water system. Additional information is available in the Draft Modesto Subbasin GSP.

7.2.2 DRA Water Source Reliability

Based on historical well production data for 2011-2015, well production was not affected by drought conditions. Therefore, this DRA assumes that the total water supply is projected to meet demands during a five-year drought period. Recent water quality issues, potential regulations regarding new contaminants, and changes to the aquifer conditions may have adverse impacts on the water supply and should be monitored closely.

7.2.3 DRA Total Water Supply and Use Comparison

The total water supply and use comparison is shown in **Table 7-5 (DWR Table 7-5)**. The comparison indicates that the City has sufficient water supply to meet projected demands during a five-year drought. Water supply totals assume sufficient groundwater will be available based on the well capacities in the City water system. This assumption should be re-evaluated regularly. The WSCP discusses measures for reducing water demands in case of water shortage conditions.

Table 7-5 – Five Year Drought Risk Assessment Tables (DWR Table 7-5)

2021		Total
Total Water Use		8,019
Total Supplies		8,019
Surplus/Shortfall w/o WSCP Action		0
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		0
Resulting % Use Reduction from WSCP action		0%
2022		
Total		
Total Water Use		9,530
Total Supplies		9,530
Surplus/Shortfall w/o WSCP Action		0
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		0
Resulting % Use Reduction from WSCP action		0%
2023		
Total		
Total Water Use		9,145
Total Supplies		9,145
Surplus/Shortfall w/o WSCP Action		0
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		0
Resulting % Use Reduction from WSCP action		0%
2024		
Total		
Total Water Use		7,293
Total Supplies		7,293
Surplus/Shortfall w/o WSCP Action		0
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		0
Resulting % Use Reduction from WSCP action		0%
2025		
Total		
Total Water Use		5,893
Total Supplies		5,893
Surplus/Shortfall w/o WSCP Action		0
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		0
Resulting % Use Reduction from WSCP action		0%

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8 Water Shortage Contingency Planning

In response to the severe drought of 2012-2016, legislation was adopted in 2018 mandating that the UWMP include a WSCP that provides a detailed proposal for assessing water supply availability and response actions to water shortage conditions. The WSCP is to be a stand-alone document which will allow for amending the plan without amending the 2020 UWMP. The City WSCP is provided in **Appendix H**. Refer to the WSCP for the following DWR Tables:

- DWR Tables 8-1: WSCP Levels
- DWR Tables 8-2: Demand Reduction Actions
- DWR Tables 8-3: Supply Augmentation and Other Actions

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9 Demand Management Measures

This section provides a comprehensive description of the water conservation programs that the City has implemented, is currently implementing, and plans to implement in order to meet its urban water use reduction targets.

9.1 Existing Demand Management Measures for Retail Suppliers

Legal Requirements:

CWC Section 10631:

(e) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1)(A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measure that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.

(B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:

(i) Water waste prevention ordinances.

(ii) Metering.

(iii) Conservation pricing.

(iv) Public education and outreach.

(v) Programs to assess and manage distribution system real loss.

(vi) Water conservation program coordination and staffing support.

(vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.

The City employs a number of Demand Management Measures (DMM, also known as Best Management Practices, or BMP) that promote conservation and reduce the water supply demand.

9.1.1 Water Waste Prohibition Ordinances

Chapter 35-48 of the City of Oakdale Municipal Code (MC) prohibits the waste of water through prohibition of the following activities:

- Failure to comply with the following schedule when watering lawns, plants, or garden, or using outdoor water for other purposes.
 - No lawn/garden watering, or other outdoor use will be allowed between the hours of ten a.m. to seven p.m. every day.
 - Dwellings or establishments with odd numbered street addresses shall use outdoor water only on Mondays, Wednesdays, Fridays, and Sundays.
 - Dwellings or establishments with even numbered street addresses shall use outdoor water only on Tuesdays, Thursdays, Saturdays, and Sundays.
- Watering lawns or gardens such that excess water leaves the property or area being watered.

- Watering outdoor landscaping while raining.
- Washing vehicles, equipment or boats, during restricted days or hours; and/or using hoses without automatic shut-offs.
- Hosing down of concrete or asphalt curbs, gutters, sidewalks, driveways or slabs.
- Having leaky faucets or plumbing fixtures on the premises.

9.1.2 Metering

Legal Requirements:

CWC Section 526:

(a) Notwithstanding any other provisions of law, an urban water supplier that, on or after January 1, 2004, receives water from the federal Central Valley Project under a water service contract or subcontract... shall do both of the following:

(1) On or before January 1, 2013, install water meters on all service connections to residential and nonagricultural commercial buildings... located within its service area.

CWC Section 527

(a) An urban water supplier that is not subject to Section 526 shall do both the following:

(1) Install water meters on all municipal and industrial service connections located within its service area on or before January 1, 2025.

All municipal and industrial service connections located within the City water service area have water meters.

9.1.3 Conservation Pricing

A water and wastewater rate study (Rate Study) was conducted for the City and adopted in April 2017. The current water rates consist of fixed and variable charges to residential and non-residential customers. All customers are charged a monthly fixed charge by meter size and a variable charge based on consumption. **Table 9-1** summarizes the water rates from the Rate Study. The rates for FY 20-21 currently remain in effect.

Table 9-1 – City’s Water Fixed Charges and Variable Charges

Meter Size	Fixed Charge (\$ per month)				
	April 1, FY 16-17	January 1, FY 17-18	January 1, FY 18-19	January 1, FY 19-20	January 1, FY 20-21
5/8 & 3/4 inch	\$11.48	\$13.19	\$15.14	\$15.41	\$15.69
1 inch	\$11.48	\$13.19	\$15.14	\$15.41	\$15.69
1-1/2 inch	\$12.18	\$13.99	\$16.06	\$16.35	\$16.65
2 inch	\$14.09	\$16.20	\$18.60	\$18.94	\$19.28
3 inch	\$28.21	\$32.46	\$37.29	\$37.97	\$38.66
4 inch	\$33.44	\$38.48	\$44.21	\$45.02	\$45.84
Variable Charge (\$ per HCF)					
All Consumption	\$1.56	\$1.80	\$2.07	\$2.11	\$2.15

9.1.4 Public Education and Outreach

Components of the City’s public education and community outreach program included the following:

- Public Meeting and Hearings
- Newsletters
- Website

Continued implementation of this DMM assists the City with reducing water demands by educating water users about the importance of improving water use efficiency and avoiding water waste.

9.1.5 Programs to Assess and Manage Distribution System Real Loss

The City conducts a water audit using software provided by American Water Works Association (AWWA) annually. **Appendix D** contains a copy of water audits for 2016-2019. The results from the water audits were previously discussed in Chapter 4. Water audits are performed on an annual basis to identify leakage trends and to determine if/when corrective action to address leakage may be warranted.

9.1.6 Water Conservation Program Coordination and Staffing Support

City staff support water conservation activities such as issuing informational handouts, notices, and citations to customers for violating the City’s water conservation ordinances

9.1.7 Other Demand Management Measures

In addition to the DMMs described above, the City has reduced large landscape water use in City parks through the use of irrigation timers with features such as temperature and moisture sensing. Additionally, the City has been working with OID to transition to the use of non-potable water for irrigation at some parks.

The City will also be considering implementation of programs to further reduce water demands and encourage water conservation:

- Residential Water Survey Program
- Distribution of Free Water Conservation Devices (showerheads, aerators, etc.)
- WaterSense Toilet Rebate Program
- High-Efficiency Washing Machine Rebate Program
- Smart Irrigation Controller Rebate Program
- Energy Efficient Dishwasher Rebate Program
- Turf Replacement Rebate Program

9.2 Reporting Implementation

9.2.1 Implementation over the Past Five Years

Legal Requirements:

CWC Section 10631:

(e) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1)(A) ...a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years.

All DMM discussed in Section 9.1 were implemented and will continue to be implemented by the City.

9.2.2 Implementation to Achieve Water Use Targets

Legal Requirements:

CWC Section 10631:

(f)(1)(A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measure that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.

The City will continue to implement the above described DMMs to reduce water demands, protect the groundwater supply, and achieve its water use targets.

10 Plan Adoption, Submittal, and Implementation

This chapter provides information regarding addressing the CWC requirements for public hearing, the UWMP adoption process, submitting and adopting the UWMP and making the document available to the public, plan implementation, and the process for amending an adopted UWMP.

10.1 Inclusion of All 2020 Data

As indicated in Chapter 2, the City uses a calendar year for water supply and demand accounting. This 2020 UWMP includes data through December 2020.

10.2 Notice of Public Hearing

10.2.1 Notice to Cities and Counties

Legal Requirements:

CWC Section 10621:

(b) Every urban water supplier required to prepare a plan shall...at least 60 days prior to the public hearing on the plan...notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.

Water Code Section 10642

...The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area...

The City has provided formal written notification to Stanislaus County and other appropriate agencies that the City's UWMP was being updated for 2020. As shown in **Table 10-1 (DWR Table 10-1)**, this notification was provided at least 60 days prior to the public hearing of the plan. Copies of the Final UWMP will be provided to Stanislaus County and other appropriate agencies no later than 30 days after its submission to DWR. Copies of notification letters are included in **Appendix C**.

Table 10-1 – Notification to Cities and Counties (DWR Table 10-1)

Submittal Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Oakdale Irrigation District		
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Stanislaus County		
NOTES:		

10.2.2 Notice to the Public

Legal Requirements:

CWC Section 10642:
...Prior to adopting either [the plan or water shortage contingency plan], the urban water supplier shall make both of the plan and the water shortage contingency plan available for public inspection and shall hold a public hearing or hearings thereon. Prior to any of these hearings, notice of the time and place of the hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code [see below]. The urban water supplier shall provide notice of the time and place of a hearing to any city or county within which the supplier provides water supplies. Government Code section 6066
Publication of notice pursuant to this section shall be once a week for two successive weeks. Two publications in a newspaper published once a week or oftener, with at least five days intervening between the respective publication dates not counting such publication dates, are sufficient. The period of notice commences upon the first day of publication and terminates at the end of the fourteenth day, including therein the first day.

The City is committed to encouraging the active involvement of diverse social, cultural, and economic elements of its citizenry. On XXXXXX and XXXXXX, the City placed a notice in the local newspaper stating that its UWMP was being updated and a WSCP was prepared, and that a public hearing would be conducted to take testimony from members of the community. A copy of this notification is included in **Appendix C**. The Draft 2020 UWMP and Draft WSCP were made available for public inspection at the City. In addition, the City also posted a copy of the Draft 2020 UWMP and Draft WSCP on its website.

10.3 Public Hearing and Adoption

Legal Requirements:

CWC Section 10642:

...Prior to adopting either, the [plan or water shortage contingency plan], the urban water supplier shall make both the plan and the water shortage contingency plan available for public inspection and shall hold a public hearing or hearings thereon.

Water Code Section 10608.26

(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

(1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.

(2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.

(3) Adopt a method, pursuant to subdivision (b) of Section 10608.20 for determining its urban water use target.

10.3.1 Public Hearing

A public hearing for the UWMP and WSCP was held on **MONTH DAY, YEAR** at the City Council Chamber. The hearing provided an opportunity for the City's customers, residents, and employees to learn and ask questions about the current and future water supply of the City. The plan adoption by City Council occurred on **MONTH DAY, YEAR**. The City Resolution is included in **Appendix I**.

10.3.2 Adoption

Legal Requirements:

CWC Section 10642:

...After the hearing or hearings, the plan or water shortage contingency plan shall be adopted as prepared or as modified after the hearing.

This UWMP was adopted by the City Council on **MONTH DAY, YEAR**. The WSCP was adopted by the City Council on **MONTH DAY, YEAR**. A copy of the adopted resolutions is provided in **Appendix I**.

10.4 Plan Submittal

Legal Requirements:

CWC Section 10621:

(e) Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021...

CWC Section 10644:

(a)(1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption.

CWC Section 10635:

(c) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

10.4.1 Submitting a UWMP and Water Shortage Contingency Plan to DWR

A copy of the adopted 2020 UWMP will be submitted electronically to DWR within 30 days of adoption.

10.4.2 Electronic Data Submittal

Legal Requirements:

CWC Section 10644 (a)(2):

The plan, or amendments to the plan, submitted to the department ... shall be submitted electronically and shall include any standardized forms, tables, or displays specified by the department.

This 2020 UWMP, including the WSCP, and associated data will be submitted electronically to DWR using the WUEdata submittal tool.

10.4.3 Submitting a UWMP, including WSCP, to the California State Library

The 2020 UWMP, including the WSCP, will be submitted on CD or hardcopy format to the California State Library within 30 days of adoption.

10.4.4 Submitting a UWMP to Cities and Counties

The 2020 UWMP will be submitted in electronic format to Stanislaus County and other appropriate agencies within 30 days of adoption.

10.5 Public Availability

Legal Requirements:

CWC Section 10645:

(a) Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

(b) Not later than 30 days after filing a copy of its water shortage contingency plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

Within 30 days of submitting the UWMP to DWR, the adopted UWMP will be available for public review during normal business hours at the City of Oakdale. The City will also post a copy of the adopted UWMP on its website (www.oakdalegov.com).

10.6 Notification to Public Utilities Commission

Legal Requirements:

CWC Section 10621 (c):

An urban water supplier regulated by the Public Utilities Commission shall include its most recent plan and water shortage contingency plan as part of the supplier's general rate case filings.

The City is not regulated by the California Public Utilities Commission.

10.7 Amending an Adopted UWMP or Water Shortage Contingency Plan

Legal Requirements:

CWC Section 10621:

(d) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

CWC Section 10644:

(a)(1) Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

10.7.1 Amending a UWMP

The plan may be updated at any time when the urban water supplier believes significant changes have occurred in population, land use, and/or water sources that may affect the contents of the plan. If major changes are made to this 2020 UWMP, the City will hold an additional public hearing and City Council will re-adopt the plan. Copies of amendments or changes to the plan shall be submitted to DWR, the California State Library, Stanislaus County, and other appropriate agencies within 30 days of adoption.

10.7.2 Amending a Water Shortage Contingency Plan

Legal Requirements:

CWC Section 10644 (b):

If an urban water supplier revises its water shortage contingency plan, the supplier shall submit to the department a copy of its water shortage contingency plan prepared...no later than 30 days after adoption, in accordance with protocols for submission and using electronic reporting tools developed by the department.

If the City revises the WSCP after DWR has approved the 2020 UWMP, copies of amendments or changes to the plans will be submitted electronically to DWR through the WUEdata Portal within 30 days of its adoption.

Copies of the amended WSCP will also be sent to the California State Library, Stanislaus County, and other appropriate agencies within 30 days of adoption.

11 References

- [1] Oakdale 2030 General Plan, Environmental Science Association (ESA), Adopted August 8, 2013.
- [2] City of Oakdale Water Master Plan, Shoreline Engineering Restoration, adopted on October 5, 2015.
- [3] DRAFT Modesto Subbasin Groundwater Sustainability Plan (GSA), Todd Groundwater, January 9, 2020.
- [4] City of Oakdale Storm Drain Master Plan, MCR Engineering, adopted October 5, 2015.
- [5] City of Oakdale Wastewater Master Plan, Black Water Consulting Engineers, Inc., adopted October 5, 2015.

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Appendix A

DWR UWMP Tables

Submittal Table 2-1 Retail Only: Public Water Systems

Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
<i>Add additional rows as needed</i>			
CA5010014	City of Oakdale	7,809	5,216
TOTAL		7,809	5,216

** Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: AF

Submittal Table 2-2: Plan Identification

Select Only One	Type of Plan		Name of RUWMP or Regional Alliance <i>if applicable</i> (select from drop down list)
<input checked="" type="checkbox"/>	Individual UWMP		
	<input type="checkbox"/>	Water Supplier is also a member of a RUWMP	
	<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance	
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)		

NOTES:

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
<input type="checkbox"/>	Supplier is a wholesaler
<input checked="" type="checkbox"/>	Supplier is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables are in calendar years
<input type="checkbox"/>	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP * (select from drop down)	
Unit	AF
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES:	

Submittal Table 2-4 Retail: Water Supplier Information Exchange

The retail Supplier has informed the following wholesale supplier(s) of projected water use in accordance with Water Code Section 10631.

Wholesale Water Supplier Name

Add additional rows as needed

Oakdale Irrigation District

NOTES: City of Oakdale has an agreement with Oakdale Irrigation District for wholesale supplies however, has not requested deliveries to-date. Main source of water for the City of Oakdale is groundwater.

Submittal Table 3-1 Retail: Population - Current and Projected

Population Served	2020	2025	2030	2035	2040	2045(opt)
	23,109	24,302	25,557	26,876	28,264	

NOTES: (1) 2020 population from DOF, Table E-5. (2) Projected populations assume a growth rate of 6.1% every five years, based on the 5-year growth rate from 2015 - 2020 where population increased from 21,781 to 23,109.

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable¹ Water - Actual

Use Type	2020 Actual		
<p>Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</p>	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume ²
Add additional rows as needed			
Single Family		Drinking Water	3,017
Multi-Family		Drinking Water	286
Commercial		Drinking Water	329
Institutional/Governmental		Drinking Water	333
Landscape		Drinking Water	848
Losses		Drinking Water	403
TOTAL			5,216
<p>¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4. Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</p>			
NOTES:			

Submittal Table 4-2 Retail: Use for Potable and Non-Potable¹ Water - Projected

Use Type	Additional Description (as needed)	Projected Water Use ²				
<u>Drop down list</u> May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		<i>Report To the Extent that Records are Available</i>				
		2025	2030	2035	2040	2045 (opt)
Add additional rows as needed						
Single Family		2,840	2,987	3,141	3,304	
Multi-Family		270	283	298	313	
Commercial		309	325	342	360	
Institutional/Governmental		313	329	346	364	
Landscape		799	840	884	929	
Losses		379	399	420	441	
TOTAL		4,911	5,165	5,431	5,712	
¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.						
² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES:						

Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)

	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable <i>From Tables 4-1R and 4-2 R</i>	5,216	4,911	5,165	5,431	5,712	0
Recycled Water Demand ¹ <i>From Table 6-4</i>	0	0	0	0	0	0
Optional Deduction of Recycled Water Put Into Long-Term Storage ²						
TOTAL WATER USE	5,216	4,911	5,165	5,431	5,712	0

¹ Recycled water demand fields will be blank until Table 6-4 is complete ²
 Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier *may* deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.

NOTES:

Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting

Reporting Period Start Date (mm/yyyy)	Volume of Water Loss ^{1,2}
01/2016	216
01/2017	438
01/2018	545
01/2019	-170
01/2020	404

¹ Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet. ²

Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES: Water loss audit reporting started in 2016. Water loss for reporting period start date of 01/2020 was estimated based on available well production and water usage data. The loss audit report for 01/2020 - 12/2020 was not available when the 2020 UWMP was completed.

Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections

<p>Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i></p>	No
<p>If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.</p>	
<p>Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i></p>	Yes

NOTES:

Submittal Table 5-1 Baselines and Targets Summary
From SB X7-7 Verification Form
Retail Supplier or Regional Alliance Only

Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	2001	2010	226	180
5 Year	2003	2007	231	

**All cells in this table should be populated manually from the supplier's SBX7-7 Verification Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:

Submittal Table 5-2: 2020 Compliance **From**
SB X7-7 2020 Compliance Form
Retail Supplier or Regional Alliance Only

2020 GPCD			2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* <i>(Adjusted if applicable)</i>		
201	0	201	180	No

**All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:

Submittal Table 6-1 Retail: Groundwater Volume Pumped

Supplier does not pump groundwater.
The supplier will not complete the table below.

All or part of the groundwater described below is desalinated.

Groundwater Type <i>Drop Down List</i> <i>May use each category multiple times</i>	Location or Basin Name	2016*	2017*	2018*	2019*	2020*
------------------------------------------------------------------------------------------	------------------------	-------	-------	-------	-------	-------

Add additional rows as needed

Alluvial Basin	Modesto Sub Basin 5-22.02	3,354	4,529	3,096	4,381	5,216
----------------	---------------------------	-------	-------	-------	-------	-------

TOTAL		3,354	4,529	3,096	4,381	5,216
--------------	--	-------	-------	-------	-------	-------

*** Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES:

Submittal Table 6-2 Retail: Wastewater Collected Within Service Area in 2020

<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.
--------------------------	-------------------------------------------------------------------------------------------

100	Percentage of 2020 service area covered by wastewater collection system <i>(optional)</i>
-----	-------------------------------------------------------------------------------------------

100	Percentage of 2020 service area population covered by wastewater collection system <i>(optional)</i>
-----	------------------------------------------------------------------------------------------------------

Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	Volume of Wastewater Collected from UWMP Service Area 2020 *	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i> <i>Drop Down List</i>
City of Oakdale	Metered	1,556	City of Oakdale	Oakdale	No	No
Total Wastewater Collected from Service Area in 2020:		1,556				

** Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Submittal Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2020

No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.

Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional) ²	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area? <i>Drop down list</i>	Treatment Level <i>Drop down list</i>	2020 volumes ¹				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
Total							0	0	0	0	0

¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.
² If the **Wastewater Discharge ID Number** is not available to the UWMP preparer, access the SWRCB CIWQS regulated facility website at <https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility>

NOTES:

Submittal Table 6-4 Retail: Recycled Water Direct Beneficial Uses Within Service Area

Recycled water is not used and is not planned for use within the service area of the supplier.
The supplier will not complete the table below.

Name of Supplier Producing (Treating) the Recycled Water:

Name of Supplier Operating the Recycled Water Distribution System:

Supplemental Water Added in 2020 (volume) *Include units*

Source of 2020 Supplemental Water

Beneficial Use Type <i>additional rows if needed.</i>	<i>Insert</i> Potential Beneficial Uses of Recycled Water (Describe)	Amount of Potential Uses of Recycled Water (Quantity) <i>Include volume units¹</i>	General Description of 2020 Uses	Level of Treatment <i>Drop down list</i>	2020 ¹	2025 ¹	2030 ¹	2035 ¹	2040 ¹	2045 ¹ (opt)
Agricultural irrigation										
Landscape irrigation (exc golf courses)										
Golf course irrigation										
Commercial use										
Industrial use										
Geothermal and other energy production										
Seawater intrusion barrier										
Recreational impoundment										
Wetlands or wildlife habitat										
Groundwater recharge (IPR)										
Reservoir water augmentation (IPR)										
Direct potable reuse										
Other (Description Required)										
Total:					0	0	0	0	0	0

2020 Internal Reuse

¹ **Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES:

Submittal Table 6-5 Retail: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual



Recycled water was not used in 2015 nor projected for use in 2020. The supplier will not complete the table below. If recycled water was not used in 2020, and was not predicted to be in 2015, then check the box and do not complete the table.

Beneficial Use Type	2015 Projection for 2020 ¹	2020 Actual Use ¹
<i>Insert additional rows as needed.</i>		
Agricultural irrigation		
Landscape irrigation (exc golf courses)		
Golf course irrigation		
Commercial use		
Industrial use		
Geothermal and other energy production		
Seawater intrusion barrier		
Recreational impoundment		
Wetlands or wildlife habitat		
Groundwater recharge (IPR)		
Reservoir water augmentation (IPR)		
Direct potable reuse		
Other (Description Required)		
Total	0	0

¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTE:

Submittal Table 6-6 Retail: Methods to Expand Future Recycled Water Use

<input checked="" type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.
-------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------

	Provide page location of narrative in UWMP
--	--------------------------------------------

Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use *
----------------	-------------	-----------------------------	-------------------------------------------

Add additional rows as needed

Total	0
--------------	----------

***Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES:

Submittal Table 6-7 Retail: Expected Future Water Supply Projects or Programs

No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.

Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.

Provide page location of narrative in the UWMP

Name of Future Projects or Programs	Joint Project with other suppliers?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Supplier* <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Supplier Name</i>				

Add additional rows as needed

Surface Water	Yes	Oakdale Irrigation District		2030	All Year Types	5,601
Well 11	No			See notes	All Year Types	161

***Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES: City Water Master Plan recommended implementation of surface water project studies between 2016-2020. Because the groundwater supply continued to be reliable, the studies were delayed. Planned implementation year for surface water is estimated to be at least ten years from the present. City Water Master Plan recommended implementation of this project in 2019. City is re-evaluating the recommended planned implementation year. Expected increase in water supply for Well 11 was estimated based on a capacity of 2,000 gpm and the well operating 5% of the time.

Submittal Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2020		
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Groundwater (not desalinated)		5,216	Drinking Water	
Total		5,216		0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>				
NOTES:				

Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)

Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available *	% of Average Supply
Average Year	2018	3,096	100%
Single-Dry Year	2013	5,987	190%
Consecutive Dry Years 1st Year	2011	5,291	170%
Consecutive Dry Years 2nd Year	2012	6,147	200%
Consecutive Dry Years 3rd Year	2013	5,987	190%
Consecutive Dry Years 4th Year	2014	4,554	150%
Consecutive Dry Years 5th Year	2015	3,757	120%

Supplier may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.

***Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES: Volume available was estimated based on the volume pumped for the base year listed. % of Average Water Supply is rounded to the nearest 10%.

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison

	2025	2030	2035	2040	2045 (Opt)
Supply totals (autofill from Table 6-9)	4,911	5,601	5,601	5,712	0
Demand totals (autofill from Table 4-3)	4,911	5,165	5,431	5,712	0
Difference	0	437	170	0	0

NOTES:

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	9,331	9,813	10,319	10,852	
Demand totals*	9,331	9,813	10,319	10,852	
Difference	0	0	0	0	0
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.					
NOTES: Supply total is equal to the projected Normal Year supply multiplied by 190% per DWR Table 7-1 estimates.					

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	8,349	9,522	9,522	9,710	
	Demand totals	8,349	8,780	9,233	9,710	
	Difference	0	742	289	0	0
Second year	Supply totals	9,822	11,202	11,202	11,423	
	Demand totals	9,822	10,329	10,862	11,423	
	Difference	0	873	340	0	0
Third year	Supply totals	9,331	10,642	10,642	10,852	
	Demand totals	9,331	9,813	10,319	10,852	
	Difference	0	829	323	0	0
Fourth year	Supply totals	7,366	8,402	8,402	8,567	
	Demand totals	7,366	7,747	8,147	8,567	
	Difference	0	655	255	0	0
Fifth year	Supply totals	5,893	6,721	6,721	6,854	
	Demand totals	5,893	6,197	6,517	6,854	
	Difference	0	524	204	0	0
Sixth year (optional)	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0

***Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES: Supply totals are equal to projected Normal Year supply multiplied by % Average Supply Factors in DWR Table 7-1.

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)

2021	Total
Total Water Use	8,019
Total Supplies	8,019
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2022	Total
Total Water Use	9,530
Total Supplies	9,530
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2023	Total
Total Water Use	9,145
Total Supplies	9,145
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2024	Total
Total Water Use	7,293
Total Supplies	7,293
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2025	Total
Total Water Use	5,893
Total Supplies	5,893
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

Submittal Table 8-1
Water Shortage Contingency Plan Levels

Shortage Level	Percent Shortage Range	Shortage Response Actions (Narrative description)
1	Up to 10%	Public outreach campaign.
2	Up to 20%	Increase public outreach, further reduction in outdoor water use, double water violation fines. Water served upon request at restaurants. Timely leak repair requirements.
3	Up to 30%	Increase landscape irrigation limits.
4	Up to 40%	Aggressive water conservation on all public facilities, construction water from non potable sources only, no private washing of cars or boats, no street cleaning, Triple water violation fines. Increase landscape irrigation limits.
5	Up to 50%	In addition to Shortage Level 4, enact conservation measures necessary to achieve reductions. Increase landscape irrigation limits.
6	>50%	Commercial lodging establishments and decorative water feature limitations. Initial filling of a new swimming pool is allowed with a permit. Prohibit all landscape irrigation.

NOTES:

Submittal Table 8-2: Demand Reduction Actions

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only</i> <i>Drop Down List</i>
<i>Add additional rows as needed</i>				
1	Expand Public Information Campaign	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Initiate public outreach campaign to encourage water conservation.	No
1	Landscape - Limit landscape irrigation to specific times	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No Lawn/garden watering, or other outdoor use will be allowed between the hours of 12 noon to 7:00 pm every day.	Yes
1	Landscape - Limit landscape irrigation to specific days	23 gpcd	Three day watering schedule.	Yes
2	CII - Restaurants may only serve water upon request	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Service of water by any restaurant expect upon request of a patron.	Yes
2	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Limit washing of cars and boats to one day per week.	Yes
2	Provide Rebates on Plumbing Fixtures and Devices	7 gpcd	Rebate programs for WaterSense toilets, High-Efficiency washing machines, smart irrigation controllers, energy efficient dishwasher	No
2	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	3-6 gpcd	Indoor leaks will be repaired within 7 days of notification by the City.	Yes
3	Landscape - Limit landscape irrigation to specific days	23 gpcd	Two day watering schedule.	Yes
4	Other - Prohibit use of potable water for construction and dust control	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Construction water for soil compaction, backfill or dust control shall be from a non-potable source.	Yes
4	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No private washing of cars or boats.	Yes
4	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No water for street cleaning.	Yes
4	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Enact conservation measures as needed to achieve reductions as mandated.	Yes
5	Landscape - Limit landscape irrigation to specific days	23 gpcd	One day watering schedule.	Yes
6	Landscape - Prohibit all landscape irrigation	23 gpcd		Yes
6	Water Features - Restrict water use for decorative water features, such as fountains	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No use of water to clean, fill or maintain levels in decorative fountains.	Yes
6	CII - Lodging establishment must offer opt out of linen service	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Offers guests in hotels, motels, and other commercial lodging establishments the option of not laundering towels and linens daily.	Yes
6	Other water feature or swimming pool restriction	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Initial filling of swimming pools or otherwise of the full capacity of a pool over 2,500 gallons is prohibited. Emptying and refilling all pools is prohibited.	Yes
<p>NOTES: There shall be assessed to the water service customer's account a penalty fee in the sum of \$50 for a first violation within one year after being served with the Notice of Ordinance Violation. A second violation within said one year period shall result in a penalty fee of \$75; and upon a third such violation within the one year period a penalty fee of \$100 shall be assessed. Any additional violations within the one year period shall be assessed at \$200 each.</p>				

Submittal Table 8-3: Supply Augmentation and Other Actions

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
1-6	Transfers	0%	The City's Water Master Plan recommends implementation of surface water project. Timing of project will be re-evaluated as part of the update of the Water Master Plan being conducted within the next year.
1-6	Other Actions (describe)	0%	The City's Water Master Plan recommends the construction of an additional well.
NOTES:			

Submittal Table 10-1 Retail: Notification to Cities and Counties

City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Oakdale Irrigation District		
County Name <i>Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Stanislaus County		
NOTES:		

Appendix B

DWR UWMP Checklist

Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
x	x	Chapter 1	10615	A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities.	Introduction and Overview	Section 1.1 Page 1-1
x	x	Chapter 1	10630.5	Each plan shall include a simple description of the supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information. Additionally, a supplier may also choose to include a simple description at the beginning of each chapter.	Summary	Section 1.6 Page 1-5
x	x	Section 2.2	10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1.1 Page 2-1 to 2-2
x	x	Section 2.6	10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.4.2 Page 2-5
x	x	Section 2.6.2	10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan Preparation	Section 2.4.2 Page 2-5
x	x	Section 2.6, Section 6.1	10631(h)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) - if any - with water use projections from that source.	System Supplies	Section 2.4.1 Page 2-4
x	x	Section 2.6	10631(h)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	N/A
x	x	Section 3.1	10631(a)	Describe the water supplier service area.	System Description	Section 3.2 Page 3-1 to 3-2
x	x	Section 3.3	10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3 Page 3-7
x	x	Section 3.4	10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Section 3.4.1 Page 3-7
x	x	Section 3.4.2	10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Section 3.4.2 Page 3-8 to 3-9
x	x	Sections 3.4 and 5.4	10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Section 3.4.1 Page 3-7
x	x	Section 3.5	10631(a)	Describe the land uses within the service area.	System Description	Section 3.5 Page 3-9 to 3-12
x	x	Section 4.2	10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2 Page 4-1 to 4-2
x	x	Section 4.2.4	10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Section 4.2.4 Page 4-3 to 4-4
x	x	Section 4.2.6	10631(d)(4)(A)	In projected water use, include estimates of water savings from adopted codes, plans and other policies or laws.	System Water Use	Section 4.2.6 Page 4-6 to 4-7
x	x	Section 4.2.6	10631(d)(4)(B)	Provide citations of codes, standards, ordinances, or plans used to make water use projections.	System Water Use	Section 4.2.6 Page 4-6 to 4-7
x	optional	Section 4.3.2.4	10631(d)(3)(A)	Report the distribution system water loss for each of the 5 years preceding the plan update.	System Water Use	Section 4.2.4 Page 4-3 to 4-4
x	optional	Section 4.4	10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.3 Page 4-10 to 4-11
x	x	Section 4.5	10635(b)	Demands under climate change considerations must be included as part of the drought risk assessment.	System Water Use	Section 4.4 Page 4-11
x	x	Chapter 5	10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 Page 5-1 to 5-4
x	x	Chapter 5	10608.24(a)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Section 5.4 Page 5-3 to 5-4
x	x	Section 5.1	10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	N/A
x	x	Section 5.2	10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	N/A
x	x	Section 5.5	10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.1 Page 5-1
x	x	Section 5.5 and Appendix E	10608.4	Retail suppliers shall report on their compliance in meeting their water use targets. The data shall be reported using a standardized form in the SBX7-7 2020 Compliance Form.	Baselines and Targets	Section 5.4 Page 5-3 to 5-4 Appendix E
x	x	Sections 6.1 and 6.2	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought.	System Supplies	Section 6.1 Page 6-2 to 6-15
x	x	Sections 6.1	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought, including changes in supply due to climate change.	System Supplies	Section 6.1.10 Page 6-14
x	x	Section 6.1	10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System Supplies	Section 6.1.9.1 Page 6-13
x	x	Section 6.1.1	10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Section 6.1.8 Page 6-12
x	x	Section 6.2.8	10631(b)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030, 2035, 2040 and optionally 2045.	System Supplies	Section 6.1.9.2 Page 6-13 to 6-14
x	x	Section 6.2	10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.1.2 Page 6-2
x	x	Section 6.2.2	10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.1.2.1 Page 6-2 to 6-3
x	x	Section 6.2.2	10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Section 6.1.2.2 Page 6-3 and 6-4
x	x	Section 6.2.2	10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.1.2.2 Page 6-3
x	x	Section 6.2.2.1	10631(b)(4)(B)	For unadjudicated basins, indicate whether or not the department has identified the basin as a high or medium priority. Describe efforts by the supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	System Supplies	Section 6.1.2.1 Page 6-2 to 6-3
x	x	Section 6.2.2.4	10631(b)(4)(C)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years.	System Supplies	Section 6.1.2.3 Page 6-4
x	x	Section 6.2.2	10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Section 6.1.9.2 Page 6-13 to 6-14
x	x	Section 6.2.7	10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.1.7 Page 6-11
x	x	Section 6.2.5	10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.1.5 Page 6-5 to 6-11
x	x	Section 6.2.5	10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.1.5.4 Page 6-8 to 6-9
x	x	Section 6.2.5	10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.1.5.4 Page 6-9 to 6-11
x	x	Section 6.2.5	10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.1.5.4 Page 6-9 to 6-11
x	x	Section 6.2.5	10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.1.5.5 Page 6-11
x	x	Section 6.2.5	10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.1.5.5 Page 6-11
x	x	Section 6.2.6	10631(g)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.1.6 Page 6-11
x	x	Section 6.2.5	10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area with quantified amount of collection and treatment and the disposal methods.	System Supplies (Recycled Water)	Section 6.1.5.2 Page 6-7 to 6-8
x	x	Section 6.2.8, Section 6.3.7	10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and for a period of drought lasting 5 consecutive water years.	System Supplies	Section 6.1.8 Page 6-12 to 6-13
x	x	Section 6.4 and Appendix O	10631.2(a)	The UWMP must include energy information, as stated in the code, that a supplier can readily obtain.	System Supplies, Energy Intensity	Section 6.2 Page 6-15

x	x	Section 7.2	10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1.1.3 Page 7-2
x	x	Section 7.2.4	10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.1.4 Page 7-7
x	x	Section 7.3	10635(a)	Service Reliability Assessment: Assess the water supply reliability during normal, dry, and a drought lasting five consecutive water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.1 Page 7-1 to 7-7
x	x	Section 7.3	10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water Supply Reliability Assessment	Section 7.2 Page 7-7 to 7-10
x	x	Section 7.3	10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts 5 consecutive years.	Water Supply Reliability Assessment	Section 7.2.1 Page 7-7
x	x	Section 7.3	10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water Supply Reliability Assessment	Section 7.2.2 Page 7-8
x	x	Section 7.3	10635(b)(3)	Include a comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.	Water Supply Reliability Assessment	Section 7.2.3 Page 7-8
x	x	Section 7.3	10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Section 7.2.3 Page 7-7
x	x	Chapter 8	10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Appendix H
x	x	Chapter 8	10632(a)(1)	Provide the analysis of water supply reliability (from Chapter 7 of Guidebook) in the WSCP	Water Shortage Contingency Planning	Appendix H, Section 2 Page 1 to 2
x	x	Section 8.10	10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the water shortage contingency plan to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water Shortage Contingency Planning	Appendix H, Section 12 Page 16 to 17
x	x	Section 8.2	10632(a)(2)(A)	Provide the written decision-making process and other methods that the supplier will use each year to determine its water reliability.	Water Shortage Contingency Planning	Appendix H, Section 3.1 Page 4
x	x	Section 8.2	10632(a)(2)(B)	Provide data and methodology to evaluate the supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water Shortage Contingency Planning	Appendix H, Section 3.2 Page 4 to 5
x	x	Section 8.3	10632(a)(3)(A)	Define six standard water shortage levels of 10, 20, 30, 40, 50 percent shortage and greater than 50 percent shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water Shortage Contingency Planning	Appendix H, Section 4 Page 6 to 7
x	x	Section 8.3	10632(a)(3)(B)	Suppliers with an existing water shortage contingency plan that uses different water shortage levels must cross reference their categories with the six standard categories.	Water Shortage Contingency Planning	Appendix H, Section 4 Page 6 to 7
x	x	Section 8.4	10632(a)(4)(A)	Suppliers with water shortage contingency plans that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water Shortage Contingency Planning	Appendix H, Section 5.1 Page 8 to 9
x	x	Section 8.4	10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Appendix H, Section 5.2 Page 9 to 10
x	x	Section 8.4	10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Appendix H, Section 5.3 Page 12
x	x	Section 8.4	10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions are appropriate to local conditions.	Water Shortage Contingency Planning	Appendix H, Section 5.4 Page 12 to 13
x	x	Section 8.4	10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water Shortage Contingency Planning	Appendix H, Section 5.2 Page 12
x	x	Section 8.4.6	10632.5	The plan shall include a seismic risk assessment and mitigation plan.	Water Shortage Contingency Plan	Appendix H, Section 6 Page 13
x	x	Section 8.5	10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water Shortage Contingency Planning	Appendix H, Section 7 Page 14
x	x	Section 8.5 and 8.6	10632(a)(5)(B) 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water Shortage Contingency Planning	Appendix H, Section 7 Page 14
x	x	Section 8.6	10632(a)(6)	Retail supplier must describe how it will ensure compliance with and enforce provisions of the WSCP.	Water Shortage Contingency Planning	Appendix H, Section 8 Page 14
x	x	Section 8.7	10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Appendix H, Section 9 Page 15
x	x	Section 8.7	10632(a)(7)(B)	Provide a statement that the supplier will declare a water shortage emergency Water Code Chapter 3.	Water Shortage Contingency Planning	Appendix H, Section 9 Page 15
x	x	Section 8.7	10632(a)(7)(C)	Provide a statement that the supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water Shortage Contingency Planning	Appendix H, Section 9 Page 15
x	x	Section 8.8	10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Appendix H, Section 10 Page 15 to 16
x	x	Section 8.8	10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Appendix H, Section 10 Page 15 to 16
x	x	Section 8.8	10632(a)(8)(C)	Retail suppliers must describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought	Water Shortage Contingency Planning	Appendix H, Section 10 Page 15 to 16
x	x	Section 8.9	10632(a)(9)	Retail suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water Shortage Contingency Planning	Appendix H, Section 11 Page 16
x	x	Section 8.11	10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water Shortage Contingency Planning	Appendix H, Section 12.1 Page 17
x	x	Sections 8.12 and 10.4	10635(c)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 30 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Appendix H, Section 12.2.7 Page 19
x	x	Section 8.12	10632(c)	Make available the Water Shortage Contingency Plan to customers and any city or county where it provides water within 30 after adopted the plan.	Water Shortage Contingency Planning	Appendix H, Section 12.2.9 Page 19
x	x	Sections 9.1 and 9.3	10631(e)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	N/A
x	x	Sections 9.2 and 9.3	10631(e)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Section 9-2.1 Page 9-4
x	x	Chapter 10	10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets (recommended to discuss compliance).	Plan Adoption, Submittal, and Implementation	Section 10.3 Page 10-3 to 10-4
x	x	Section 10.2.1	10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. Reported in Table 10-1.	Plan Adoption, Submittal, and Implementation	Section 10.2.1 Page 10-1 to 10-2
x	x	Section 10.4	10621(f)	Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.	Plan Adoption, Submittal, and Implementation	Section 10.4.1 Page 10-4
x	x	Sections 10.2.2, 10.3, and 10.5	10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan and contingency plan.	Plan Adoption, Submittal, and Implementation	Section 10 Page 10-1 to 10-6
x	x	Section 10.2.2	10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Section 10.3.1 Page 10-3
x	x	Section 10.3.2	10642	Provide supporting documentation that the plan and contingency plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.2 Page 10-3
x	x	Section 10.4	10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3 Page 10-4
x	x	Section 10.4	10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4 Page 10-4
x	x	Sections 10.4.1 and 10.4.2	10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Section 10.7.2 Page 10-6
x	x	Section 10.5	10645(a)	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5 Page 10-5
x	x	Section 10.5	10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its water shortage contingency plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5 Page 10-5
x	x	Section 10.6	10621(c)	If supplier is regulated by the Public Utilities Commission, include its plan and contingency plan as part of its general rate case filings.	Plan Adoption, Submittal, and Implementation	Section 10.6 Page 10-5
x	x	Section 10.7.2	10644(b)	If revised, submit a copy of the water shortage contingency plan to DWR within 30 days of adoption.	Plan Adoption, Submittal, and Implementation	Section 10.7.2 Page 10-6

Appendix C

Notice of Preparation and Outreach Documents

Appendix C will be added to the UWMP prior to submitting to the DWR.

Appendix D

Water Loss Audits



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association.

? Click to access definition
+ Click to add a comment

Water Audit Report for: City of Oakdale (5010014)
Reporting Year: 2016 1/2016 - 12/2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

Master Meter and Supply Error Adjustments

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+ ?	4	1,338.820	MG/Yr
Water imported:	+ ?	n/a		MG/Yr
Water exported:	+ ?	n/a		MG/Yr

Pcnt:	Value:		
+ ?	2	-5.00%	MG/Yr
+ ?			MG/Yr
+ ?			MG/Yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: 1,409.284 MG/Yr

AUTHORIZED CONSUMPTION

Billed metered:	+ ?	3	1,335.346	MG/Yr
Billed unmetered:	+ ?	n/a	0.000	MG/Yr
Unbilled metered:	+ ?	n/a		MG/Yr
Unbilled unmetered:	+ ?	5	3.523	MG/Yr

Click here: ?
for help using option buttons below

Pcnt:	Value:		
		3.523	MG/Yr

Use buttons to select percentage of water supplied
OR
value

AUTHORIZED CONSUMPTION: 1,338.869 MG/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

70.415 MG/Yr

Apparent Losses

Unauthorized consumption: + ? 3.523 MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+ ?	1	3.347	MG/Yr
Systematic data handling errors:	+ ?		3.338	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 10.208 MG/Yr

Pcnt:	Value:		
0.25%			MG/Yr

0.25%			MG/Yr
0.25%			MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 60.207 MG/Yr

WATER LOSSES: 70.415 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: 73.938 MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ?	1	75.0	miles
Number of <u>active AND inactive</u> service connections:	+ ?	3	7,749	
Service connection density:	?		103	conn./mile main

Are customer meters typically located at the curbside or property line? Yes

Average length of customer service line: + ? (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + ? 2 51.0 psi

COST DATA

Total annual cost of operating water system:	+ ?	10	\$2,420,604	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ?	4	\$2.83	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ?	2	\$584.54	\$/Million gallons

Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 41 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Billed metered

3: Customer metering inaccuracies

CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Oakdale PWS ID: 5010014
System Type: Potable Audit Period: Calendar 2016
Utility Representation: David Black
Validation Date: 7/14/2017 Call Time: 9:00am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 41 Data Validity Band (Level): Band II (26-50)
ILI: 2.06 Real Loss: 21.29 (gal/conn/day) Apparent Loss: 3.61 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 3.1

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Validator Information:

Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided

CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

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Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided



#	AWWA Water Audit Input	Code	Final DVG	Basis on Input Derivation	Basis on Data Validity Grade
1	Volume from Own Sources	VOS	4	<p>Supply meter profile: 7 wells... Wells 3, 4, 5, and 7 are in the 'atmospheric zone'. Wells 6 and 8 are in the 'pressure zone'. Well 9 is typically on standby for fire flows. Each well site has a flow meter that reports to SCADA, so pdf numbers from SCADA historian. Typically meters not manually read; random manual checks on SCADA output. Various size meters. Wells 6, 7, and 8 are magnetic flow meters, approximately 12-16". Wells 3 and 4 are turbine meters.</p> <p>VOS input derived from: SCADA reads from production meters as archived.</p> <p>Comments: Input derivation from supporting documents confirmed. Exclusion of non-potable volumes confirmed.</p>	<p>Percent of own supply metered: 100%</p> <p>Signal calibration frequency: None.</p> <p>Volumetric testing frequency: Annual. 3rd party comes into to flow test the wells. Portable magnetic meter put on discharge pipe, ramp well up to different RPM and flow test it; mainly a check to verify capacity of the wells. This procedure done for every well annually.</p> <p>Volumetric testing method: N/A.</p> <p>Percent of own supply volumetrically tested: 100%</p> <p>Comments: DVG limited to a 4 based on the description of the test performed. There were no test results available, however, Oakdale did recall each of the well meters under-registering.</p>
2	VOS Master Meter & Supply Error Adjustment	VOS MMSEA	2	<p>Input derivation: Based on previous test results, every meter was under-registration; as an example their meter would read 1,100 gpm but the test meter would read 1,200 gpm, an inaccuracy of roughly 8%, so applied a 5% under-registration.</p> <p>Net storage change included in MMSEA input: No.</p> <p>Comments: No additional comments.</p>	<p>Supply meter read frequency: Continuous.</p> <p>Supply meter read method: Automatic logging via SCADA telemetry.</p> <p>Frequency of data review for trends & anomalies: None.</p> <p>Storage levels monitored in real-time: Yes.</p> <p>Comments: No additional comments.</p>
3	Water Imported	WI	n/a	<p>Comments: No emergency connections exist.</p>	
4	WI Master Meter & Supply Error Adjustment	WI MMSEA	n/a		
5	Water Exported	WE	n/a	<p>Comments: No emergency connections exist.</p>	
6	WE Master Meter & Supply Error Adjustment	WE MMSEA	n/a		
7	Billed metered	BMAC	3	<p>Customer meter profile:</p> <p>Age profile: All manual reads until 2007, in 2007 started upgrades to ERTs to be read with reader in bulk; a lot of times meters replaced with meters that would receive an ERT; 7700 metered connections, approx.</p>	<p>Percent of customers metered: 100%. Only 1 connection is estimated – intermittent usage.</p> <p>Small meter testing policy: None.</p> <p>Number of small meters tested/year: n/a.</p>



#	AWWA Water Audit Input	Code	Final DVG	Basis on Input Derivation	Basis on Data Validity Grade
				<p>1,500 still manual reads which are all unknown install date; slowly working to convert those remaining meters. Average age is roughly 20 years old.</p> <p>Reading system: Mixture of AMR and manual (roughly 2/3 are AMR, remaining are manual).</p> <p>Read frequency: Monthly.</p> <p>Comments: Lag-time correction is not employed in input derivation. Input derivation from supporting documents confirmed. Exclusion of non-potable volumes confirmed.</p>	<p>Large meter testing policy: None.</p> <p>Number of large meters tested/year: n/a.</p> <p>Meter replacement policy: Upon failure only.</p> <p>Number of replacements/year: Unknown.</p> <p>Billing data auditing: None.</p> <p>Comments: No additional comments.</p>
8	Billed unmetered	BUAC	n/a	<p>Comments: The only customer that's unmetered is only an occasional user, so characterized here as n/a. Entry shown as 0.000 as a reminder that this account is currently in the process of being metered.</p>	
9	Unbilled metered	UMAC	n/a		
10	Unbilled unmetered	UUAC	5	<p>Profile: Operational flushing and fire department usage.</p> <p>Comments: Flushing activities greatly scaled back due to drought. Custom California default of 0.25%xWS utilized.</p>	<p>Comments: Default grade applied.</p>
11	Unauthorized consumption	UC	5	<p>Comments: Default input applied.</p>	<p>Comments: Default grade applied.</p>
12	Customer metering inaccuracies	CMI	1	<p>See BMAC comments regarding meter testing & replacement activities.</p> <p>Input derivation: Rudimentary estimate.</p> <p>Comments: The City does no customer meter testing or calibration, it is difficult or near impossible to determine what percentage to use for this value.</p>	<p>Characterization of meter testing: None.</p> <p>Characterization of meter replacement: Limited (upon failure only).</p> <p>Comments: No additional comments.</p>
13	Systematic data handling errors	SDHE	5	<p>Comments: Default input applied.</p>	<p>Comments: Default grade applied.</p>
14	Length of mains	Lm	1	<p>Input derivation: From tally within Rate Study prepared by Tuckfield & Associates for the 218 process.</p> <p>Hydrant leads included: Uncertain.</p> <p>Comments: No additional comments.</p>	<p>Mapping format: Paper.</p> <p>Asset management database: Not currently in place.</p> <p>Map updates & field validation: n/a. The 'maps' that exist in mostly in heads of staff rather than actually written down.</p> <p>Comments: No additional comments.</p>



#	AWWA Water Audit Input	Code	Final DVG	Basis on Input Derivation	Basis on Data Validity Grade
15	Number of service connections	Ns	3	<p>Input derivation: Standard report run from billing system.</p> <p>Basis for database query: Account ID - non-premise based.</p> <p>Comments: No additional comments.</p>	<p>CIS updates & field validation: None.</p> <p>Estimated error of total count within: 10%.</p> <p>Comments: No additional comments.</p>
16	Ave length of cust. service line	Lp	10	<p>Comments: Default input and grade applied, as customer meters are typically located at the property boundary given California climate.</p>	
17	Average operating pressure	AOP	2	<p>Number of zones, general profile: There are 2 pressure zones in town; one is called the 'atmospheric zone', and the other is called the 'pressure zone'. The 'atmospheric zone' pressure is determined by the height of water in the storage tank and the 'pressure zone' is simply determined by a pressure setting at each well site.</p> <p>Typical pressure range: The 'atmospheric zone' contains the oldest pipes and connections and can't stand higher pressure so its pressure is normally between 31 and 44 PSI. The 'pressure zone' is newer and better suited for higher pressure and is normally between 50 and 80 PSI. The average of these would be around 51 PSI.</p> <p>Input derivation: Rudimentary estimate.</p> <p>Comments: Each well site has a pressure reading. Also have 3 sewer lift stations that capture water pressure readings.</p>	<p>Extent of static pressure data collection: Not collected currently.</p> <p>Characterization of real-time pressure data collection: No real-time monitoring currently in place.</p> <p>Hydraulic model: In place and calibrated within the last 5 years.</p> <p>Comments: No additional comments.</p>
18	Total annual operating cost	TAOC	10	<p>Input derivation: From official financial reports.</p> <p>Comments: Confirmed costs limited to water only, and water debt service included.</p>	<p>Frequency of internal auditing: Annually.</p> <p>Frequency of third-party CPA auditing: Annually.</p> <p>Comments: This is taken from the Water and Wastewater Rate Study prepared by Tuckfield & Associates for the 218 process.</p>
19	Customer retail unit cost	CRUC	4	<p>Input derivation: Single rate class selected, with some rate classes excluded. Sewer charges are not based on water meter readings. Sewer revenues are not applicable.</p> <p>Comments: The current water rates consist of fixed and variable charges to residential and non-residential customers. All customers are charged a monthly fixed charge by meter size (\$16.97 for 1 to 6 ccf for 5/8 to 1 inch meters). Additionally, customers are charged for consumption based on a four-tier variable charge structure where rates are applied to blocks of</p>	<p>Characterization of calculation: Non-weighted average. Input calculations have not been reviewed by an M36 water loss expert.</p> <p>Comments: No additional comments.</p>



#	AWWA Water Audit Input	Code	Final DVG	Basis on Input Derivation	Basis on Data Validity Grade
				water by meter size. (\$0.86 for every CCF between 7-17 CCF, \$1.28 for every CCF between 18-27 CCF, \$1.70 for every CCF over 27 CCF for meters between 5/8 and 1 inch). So residential customers are charged \$16.97 flat rate whether they have usage or not, but they do not incur additional charges until they exceed 6CCF. So breaking down the per 1CCF is $6/\$16.97 = \2.83 .	
20	Variable production cost	VPC	2	<p>Supply profile: Own sources only.</p> <p>Primary costs included: N/a - input is estimated.</p> <p>Secondary costs included: None currently included.</p> <p>Comments: No additional comments.</p>	<p>Characterization of calculation: Primary costs only. Input calculations have not been reviewed by an M36 water loss expert.</p> <p>Comments: DVG based on estimated input.</p>



Key Audit Metrics

(~)	VALIDITY	Data Validity Score: 41	Data Validity Band (Level): Band II (26-50)
(#)	VOLUME	ILI: 2.06	Real Loss: 21.29 (gal/conn/day) Apparent Loss: 3.61 (gal/conn/day)
(\$)	VALUE	Annual Cost of Apparent Losses: \$38,620	Annual Cost of Real Losses: \$35,193

Infrastructure & Water Loss Management Practices:

Infrastructure age profile: 20-60 years old. Infrastructure replacement policy (current, historic): No specific policy, but plans in place for replacement. Just completed in 2016 over 2,000’ of water main replacement. Planning on 2,000’ this year. 2017-18 plan to install cross-town main to increase pressure in older power to town with low pressure.

Estimated main failures/year: 16 Estimated service failures/year: 32

Extent of proactive leakage management: Company recently (2017) came in to test for leakage through a portion of town.

Other water loss management comments: No additional comments.

Comments on Audit Metrics & Validity Improvements

The Infrastructure Leakage Index (ILI) of 2.06 describes a system that experiences leakage at 2.06 times the modeled technical minimum for its system characteristics.

The Data Validity Score falling within Band II (26-50) indicates that next steps should be generally focused on improving data reliability. Opportunities to improve the reliability of audit inputs and outputs include:

- Improved understanding of Supply Meter Master Meter Error: consider adopting or increasing the rigor of a source meter volumetric testing and calibration program, informed by the guidance provided in AWWA Manual M36 – Appendix A.
- Improved estimation of CMI: consider a customer meter testing program which tests a sample of random meters whose stratification (by size, age, or other characteristics) represents the entire customer meter stock.
- Customized estimate of Unbilled Unmetered Authorized Consumption: consider producing itemized, agency-specific estimates of unbilled unmetered (operational) uses, rather than using the default. Ensure leakage estimates are excluded.
- Temporal alignment of Billed Metered Authorized Consumption with Water Supplied: consider pro-rating the first and last months of the audit period to better align consumption with actual dates of use, and using read date as basis for reporting.

When the CA-NV AWWA Water Audit Validator (WAV) program comes online after this year, is the utility planning on having a staff member become certified to perform the Level 1 Validation for future audits? Yes.



CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Water System Name: City of Oakdale

Water System ID Number: 5010014

Water Audit Period: Calendar 2016

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

Ongoing projects to replace and upgrade water meters Citywide and replace aging water mains

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

Executive Name (Print)

Jeff Gravel

Executive Position

Public Services Dir.

Signature

[Handwritten Signature]

Date

9/26/17



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association.
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+ Click to add a comment

Water Audit Report for: City of Oakdale (5010014)
Reporting Year: **2017** 1/2017 - 12/2017

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

----- Enter grading in column 'E' and 'J' ----->

WATER SUPPLIED

Volume from own sources:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="5"/>	<input type="text" value="1,525.130"/>	MG/Yr
Water imported:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="n/a"/>	<input type="text" value=""/>	MG/Yr
Water exported:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="n/a"/>	<input type="text" value=""/>	MG/Yr

Master Meter and Supply Error Adjustments

Pcnt:	<input type="text" value="3"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Value:	<input type="text" value="-51.929"/>	MG/Yr
	<input type="button" value="+"/>	<input type="button" value="?"/>					<input type="text" value=""/>	MG/Yr
	<input type="button" value="+"/>	<input type="button" value="?"/>					<input type="text" value=""/>	MG/Yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: **1,577.059** MG/Yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="5"/>	<input type="text" value="1,375.897"/>	MG/Yr
Billed unmetered:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="n/a"/>	<input type="text" value=""/>	MG/Yr
Unbilled metered:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="9"/>	<input type="text" value="54.362"/>	MG/Yr
Unbilled unmetered:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="5"/>	<input type="text" value="3.943"/>	MG/Yr

Click here: for help using option buttons below

Pcnt:	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Value:	<input type="text" value="3.943"/>	MG/Yr
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Use buttons to select percentage of water supplied OR value

AUTHORIZED CONSUMPTION: **1,434.202** MG/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

142.857 MG/Yr

Apparent Losses

Unauthorized consumption: MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="3"/>	<input type="text" value="29.189"/>	MG/Yr
Systematic data handling errors:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value=""/>	<input type="text" value="3.440"/>	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: **36.571** MG/Yr

Pcnt:	<input type="text" value="0.25%"/>	<input checked="" type="radio"/>	<input type="radio"/>	Value:	<input type="text" value=""/>	MG/Yr
-------	------------------------------------	----------------------------------	-----------------------	--------	-------------------------------	-------

	<input type="text" value="2.00%"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="text" value=""/>	MG/Yr
	<input type="text" value="0.25%"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="text" value=""/>	MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **106.286** MG/Yr

WATER LOSSES: **142.857** MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: **201.162** MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="5"/>	<input type="text" value="75.0"/>	miles
Number of <u>active</u> AND <u>inactive</u> service connections:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="9"/>	<input type="text" value="8,297"/>	
Service connection density:	<input type="button" value="?"/>	<input type="text" value=""/>	<input type="text" value="111"/>	conn./mile main	

Are customer meters typically located at the curbside or property line?

Average length of customer service line: (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: psi

COST DATA

Total annual cost of operating water system:	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="10"/>	<input type="text" value="\$5,107,183"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="9"/>	<input type="text" value="\$1.80"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="button" value="+"/>	<input type="button" value="?"/>	<input type="text" value="3"/>	<input type="text" value="\$272.66"/>	\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 58 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Customer metering inaccuracies

3: Variable production cost (applied to Real Losses)

Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 8/17/2018

Water Supplier

Supplier Name: City of Oakdale

Supplier Participants: Cody Bridgewater

Key Audit Metrics

Data Validity Score: 58

ILI: 3.5

Real Loss: 35.1 gal / conn / day

Apparent Loss: 12.1 gal / conn / day

Non-Revenue Water as Percent of Cost of Operating System: 2.6%

Validator

Validator: Kim Manago,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

If not, rejected recommendations are included here.

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Oakdale

Water Supplier Public Water System ID: 5010014

Water Audit Period: 2017

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

Well Efficiency Testing

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Cody Bridgewater

Executive Position: Public Works Superintendent

Signature:



Date: September 6, 2018



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association.
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Water Audit Report for: City of Oakdale (5010014)
Reporting Year: 2018 1/2018 - 12/2018

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

<----- Enter grading in column 'E' and 'J' ----->

WATER SUPPLIED

Volume from own sources:	+ ?	9	1,617.460	MG/Yr
Water imported:	+ ?	n/a	0.000	MG/Yr
Water exported:	+ ?	n/a	0.000	MG/Yr

Master Meter and Supply Error Adjustments

Pcnt:	Value:	MG/Yr
+ ? 3	6.390	MG/Yr
+ ?		MG/Yr
+ ?		MG/Yr

WATER SUPPLIED: **1,611.070** MG/Yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Billed metered:	+ ?	5	1,353.550	MG/Yr
Billed unmetered:	+ ?	n/a	0.000	MG/Yr
Unbilled metered:	+ ?	10	59.814	MG/Yr
Unbilled unmetered:	+ ?	5	20.138	MG/Yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: **1,433.502** MG/Yr

Click here: ?
for help using option buttons below

Pcnt: 1.25% Value: MG/Yr

Use buttons to select percentage of water supplied OR value

WATER LOSSES (Water Supplied - Authorized Consumption)

177.568 MG/Yr

Apparent Losses

Unauthorized consumption: + ? **4.028** MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+ ?	3	28.844	MG/Yr
Systematic data handling errors:	+ ?		3.384	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: **36.256** MG/Yr

Pcnt: 0.25% Value: MG/Yr

2.00% MG/Yr
0.25% MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: ? **141.312** MG/Yr

WATER LOSSES: **177.568** MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: ? **257.520** MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ?	5	75.0	miles
Number of <u>active AND inactive</u> service connections:	+ ?	9	8,297	
Service connection density:	?		111	conn./mile main

Are customer meters typically located at the curbstop or property line? Yes

Average length of customer service line: + ? (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + ? 4 51.0 psi

COST DATA

Total annual cost of operating water system:	+ ?	10	\$5,065,000	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ?	9	\$2.07	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ?	5	\$279.32	\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 74 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Customer metering inaccuracies
- 2: Billed metered
- 3: Variable production cost (applied to Real Losses)



Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 9/10/2018

Water Supplier

Supplier Name: City of Oakdale

Supplier Participants:
Cody Bridgewater

Key Audit Metrics

Data Validity Score:	74	
ILI:	4.60	
Real Loss:	46.66	gal / conn / day
Apparent Loss:	11.97	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	3.2%	

Validator

Validator: Kevin Burgers,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from
the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Oakdale

Water Supplier Public Water System ID: 5010014

Water Audit Period: Calendar Year 2018

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

Replacement of manual read meters with radio read meters. Calibration and certification of all Well site flow meters.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Cody Bridgewater

Executive Position: Public Works Superintendent

Signature:



Date: August 16, 2019



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association.
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Water Audit Report for:
Reporting Year:

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

<----- Enter grading in column 'E' and 'J' ----->

Master Meter and Supply Error Adjustments

WATER SUPPLIED

Volume from own sources:	<input type="button" value="+"/>	<input type="button" value="7"/>	<input type="text" value="1,458.660"/>	MG/Yr
Water imported:	<input type="button" value="+"/>	<input type="text" value="n/a"/>	<input type="text" value="0.000"/>	MG/Yr
Water exported:	<input type="button" value="+"/>	<input type="text" value="n/a"/>	<input type="text" value="0.000"/>	MG/Yr

Pcnt:	<input type="button" value="+"/>	<input type="button" value="3"/>	<input type="text" value=""/>	MG/Yr
Value:	<input type="button" value="+"/>	<input type="button" value="7"/>	<input type="text" value=""/>	MG/Yr
	<input type="button" value="+"/>	<input type="button" value="7"/>	<input type="text" value=""/>	MG/Yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: MG/Yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="button" value="+"/>	<input type="button" value="5"/>	<input type="text" value="1,449.575"/>	MG/Yr
Billed unmetered:	<input type="button" value="+"/>	<input type="text" value="n/a"/>	<input type="text" value="0.000"/>	MG/Yr
Unbilled metered:	<input type="button" value="+"/>	<input type="button" value="9"/>	<input type="text" value="60.726"/>	MG/Yr
Unbilled unmetered:	<input type="button" value="+"/>	<input type="button" value="5"/>	<input type="text" value="3.647"/>	MG/Yr

Click here:
for help using option buttons below

Pcnt:	<input type="text" value=""/>	Value:	<input type="text" value="3.647"/>	MG/Yr
-------	-------------------------------	--------	------------------------------------	-------

Use buttons to select percentage of water supplied
OR
value

AUTHORIZED CONSUMPTION: MG/Yr

Check input values; WATER SUPPLIED should be greater than AUTHORIZED CONSUMPTION

WATER LOSSES (Water Supplied - Authorized Consumption)

MG/Yr

Apparent Losses

Unauthorized consumption: MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	<input type="button" value="+"/>	<input type="button" value="3"/>	<input type="text" value="30.822"/>	MG/Yr
Systematic data handling errors:	<input type="button" value="+"/>	<input type="button" value="5"/>	<input type="text" value="3.624"/>	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: MG/Yr

Check input values; APPARENT LOSSES should be less than WATER LOSSES

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: MG/Yr

WATER LOSSES: MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	<input type="button" value="+"/>	<input type="button" value="5"/>	<input type="text" value="75.0"/>	miles
Number of <u>active AND inactive</u> service connections:	<input type="button" value="+"/>	<input type="button" value="9"/>	<input type="text" value="8,297"/>	
Service connection density:	<input type="button" value="?"/>		<input type="text" value="111"/>	conn./mile main

Are customer meters typically located at the curbstops or property line?

Average length of customer service line: (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: psi

COST DATA

Total annual cost of operating water system:	<input type="button" value="+"/>	<input type="button" value="10"/>	<input type="text" value="\$4,972,439"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="button" value="+"/>	<input type="button" value="9"/>	<input type="text" value="\$2.07"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="button" value="+"/>	<input type="button" value="5"/>	<input type="text" value="\$275.98"/>	\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 67 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Customer metering inaccuracies

3: Billed metered

Level 1 Validation Certificate CY2019

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 12/1/2020

Water Supplier

Supplier Name: City of Oakdale

Supplier Participants: Cody Bridgewater

Key Audit Metrics

Data Validity Score: 67

ILI: -3.04

Real Loss: -30.83 gal / conn / day

Apparent Loss: 12.58 gal / conn / day

Non-Revenue Water as Percent
of Cost of Operating System: 2.0%

Validator

Validator: Kim Manago,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from
the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 8/17/2018

Water Supplier

Supplier Name: City of Oakdale

Supplier Participants: Cody Bridgewater

Key Audit Metrics

Data Validity Score: 58

ILI: 3.5

Real Loss: 35.1 gal / conn / day

Apparent Loss: 12.1 gal / conn / day

Non-Revenue Water as Percent of Cost of Operating System: 2.6%

Validator

Validator: Kim Manago,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

If not, rejected recommendations are included here.

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Oakdale

Water Supplier Public Water System ID: 5010014

Water Audit Period: 2017

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

Well Efficiency Testing

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Cody Bridgewater

Executive Position: Public Works Superintendent

Signature:



Date: September 6, 2018



Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 9/10/2018

Water Supplier

Supplier Name: City of Oakdale

Supplier Participants:
Cody Bridgewater

Key Audit Metrics

Data Validity Score:	74	
ILI:	4.60	
Real Loss:	46.66	gal / conn / day
Apparent Loss:	11.97	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	3.2%	

Validator

Validator: Kevin Burgers,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from
the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Oakdale

Water Supplier Public Water System ID: 5010014

Water Audit Period: Calendar Year 2018

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

Replacement of manual read meters with radio read meters. Calibration and certification of all Well site flow meters.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Cody Bridgewater

Executive Position: Public Works Superintendent

Signature:



Date: August 16, 2019

Level 1 Validation Certificate CY2019

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 12/1/2020

Water Supplier

Supplier Name: City of Oakdale

Supplier Participants: Cody Bridgewater

Key Audit Metrics

Data Validity Score: 67

ILI: -3.04

Real Loss: -30.83 gal / conn / day

Apparent Loss: 12.58 gal / conn / day

Non-Revenue Water as Percent
of Cost of Operating System: 2.0%

Validator

Validator: Kim Manago,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from
the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Oakdale

Water Supplier Public Water System ID: CA5010014

Water Audit Period: 2019

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

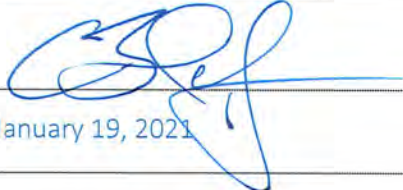
Click or tap here to enter text.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Cody Bridgewater

Executive Position: Public Works Superintendent

Signature: 

Date: January 19, 2021

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Oakdale

Water Supplier Public Water System ID: CA5010014

Water Audit Period: 2019

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

Click or tap here to enter text.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Cody Bridgewater

Executive Position: Public Works Superintendent

Signature: 

Date: January 19, 2021

Appendix E

SB X7-7 2015 Verification Form and 2020 Compliance Form

SB X7-7 VERIFICATION FORM

SB X7-7 Table 0: Units of Measure Used in UWMP* *(select one from the drop down list)*

Acre Feet

**The unit of measure must be consistent with Submittal Table 2-3*

NOTES:

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	4,100	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0%	See Note 1
	Number of years in baseline period ^{1,2}	10	Years
	Year beginning baseline period range	2001	
	Year ending baseline period range ³	2010	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range ⁴	2007	

¹ If the 2008 recycled water delivery is less than 10 percent of total water deliveries, then the 10-15year baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater of total deliveries, the 10-15 year baseline period is a continuous 10- to 15-year period.

² The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.

³ The ending year for the 10-15 year baseline period must be between December 31, 2004 and December 31, 2010.

⁴ The ending year for the 5 year baseline period must be between December 31, 2007 and December 31, 2010.

NOTES:

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population
(may check more than one)



1. Department of Finance (DOF) or American Community Survey (ACS)



2. Persons-per-Connection Method



3. DWR Population Tool



4. Other
DWR recommends pre-review

NOTES:

SB X7-7 Table 3: Service Area Population

Year	Population	
10 to 15 Year Baseline Population		
Year 1	2001	15,575
Year 2	2002	16,379
Year 3	2003	16,948
Year 4	2004	17,432
Year 5	2005	17,710
Year 6	2006	18,145
Year 7	2007	18,976
Year 8	2008	19,777
Year 9	2009	20,231
Year 10	2010	20,675
<i>Year 11</i>		
<i>Year 12</i>		
<i>Year 13</i>		
<i>Year 14</i>		
<i>Year 15</i>		
5 Year Baseline Population		
Year 1	2003	16,948
Year 2	2004	17,432
Year 3	2005	17,710
Year 4	2006	18,145
Year 5	2007	18,976
NOTES:		

Populations for 2001-2009 were adjusted based on D

SB X7-7 Table 4: Annual Gross Water Use *

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Acre Feet
		Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	Annual Gross Water Use
10 to 15 Year Baseline - Gross Water Use							
Year 1	2001	4,450			-	-	4,450
Year 2	2002	4,598			-	-	4,598
Year 3	2003	4,798			-	-	4,798
Year 4	2004	4,884			-	-	4,884
Year 5	2005	4,876			-	-	4,876
Year 6	2006	4,754			-	-	4,754
Year 7	2007	4,044			-	-	4,044
Year 8	2008	4,098			-	-	4,098
Year 9	2009	5,058			-	-	5,058
Year 10	2010	5,014			-	-	5,014
Year 11	0	-			-	-	-
Year 12	0	-			-	-	-
Year 13	0	-			-	-	-
Year 14	0	-			-	-	-
Year 15	0	-			-	-	-
10 - 15 year baseline average gross water use							4,658
5 Year Baseline - Gross Water Use							
Year 1	2003	4,798			-	-	4,798
Year 2	2004	4,884			-	-	4,884
Year 3	2005	4,876			-	-	4,876
Year 4	2006	4,754			-	-	4,754
Year 5	2007	4,044			-	-	4,044
5 year baseline average gross water use							4,671

* Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.

NOTES:

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source Groundwater

This water source is:

The supplier's own water source

A purchased or imported source

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System ¹	Meter Error Adjustment ² <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System
--------------------------------------------	--------------------------------------------------------	--------------------------------------------------------------------	--------------------------------------------------------

10 to 15 Year Baseline - Water into Distribution System

Year 1	2001	4,450	4,450
Year 2	2002	4,598	4,598
Year 3	2003	4,798	4,798
Year 4	2004	4,884	4,884
Year 5	2005	4,876	4,876
Year 6	2006	4,754	4,754
Year 7	2007	4,044	4,044
Year 8	2008	4,098	4,098
Year 9	2009	5,058	5,058
Year 10	2010	5,014	5,014
Year 11	0		-
Year 12	0		-
Year 13	0		-
Year 14	0		-
Year 15	0		-

5 Year Baseline - Water into Distribution System

Year 1	2003	4,798	4,798
Year 2	2004	4,884	4,884
Year 3	2005	4,876	4,876
Year 4	2006	4,754	4,754
Year 5	2007	4,044	4,044

¹ **Units of measure** (AF, MG, or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.

² **Meter Error Adjustment** - See guidance in Methodology 1, Step 3 of Methodologies Document

NOTES:

SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction (For use only by agencies that are deducting indirect recycled water)

Baseline Year <i>Fm SB X7-7 Table 3</i>	Surface Reservoir Augmentation					Groundwater Recharge			Total Deductible Volume of Indirect Recycled Water Entering the Distribution System
	Volume Discharged from Reservoir for Distribution System Delivery ¹	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss ¹	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility ^{1, 2}	Transmission/ Treatment Losses ¹	Recycled Volume Entering Distribution System from Groundwater Recharge	
10-15 Year Baseline - Indirect Recycled Water Use									
Year 1	2001			-	-			-	-
Year 2	2002			-	-			-	-
Year 3	2003			-	-			-	-
Year 4	2004			-	-			-	-
Year 5	2005			-	-			-	-
Year 6	2006			-	-			-	-
Year 7	2007			-	-			-	-
Year 8	2008			-	-			-	-
Year 9	2009			-	-			-	-
Year 10	2010			-	-			-	-
Year 11	0			-	-			-	-
Year 12	0			-	-			-	-
Year 13	0			-	-			-	-
Year 14	0			-	-			-	-
Year 15	0			-	-			-	-
5 Year Baseline - Indirect Recycled Water Use									
Year 1	2003			-	-			-	-
Year 2	2004			-	-			-	-
Year 3	2005			-	-			-	-
Year 4	2006			-	-			-	-
Year 5	2007			-	-			-	-
¹ Units of measure (AF, MG, or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3. ² Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.									
NOTES:									

SB X7-7 Table 4-C: Process Water Deduction Eligibility

(For use only by agencies that are deducting process water) Choose Only One

<input type="checkbox"/>	Criteria 1- Industrial water use is equal to or greater than 12% of gross water use. Complete SB X7-7 Table 4-C.1
<input type="checkbox"/>	Criteria 2 - Industrial water use is equal to or greater than 15 GPCD. Complete SB X7-7 Table 4-C.2
<input type="checkbox"/>	Criteria 3 - Non-industrial use is equal to or less than 120 GPCD. Complete SB X7-7 Table 4-C.3
<input type="checkbox"/>	Criteria 4 - Disadvantaged Community. Complete SB x7-7 Table 4-C.4

NOTES:

SB X7-7 Table 4-C.1: Process Water Deduction Eligibility

Criteria 1

Industrial water use is equal to or greater than 12% of gross water use

Baseline Year <i>Fm SB X7-7 Table 3</i>	Gross Water Use Without Process Water Deduction	Industrial Water Use *	Percent Industrial Water	Eligible for Exclusion Y/N
---------------------------------------------------	-------------------------------------------------	------------------------	--------------------------	----------------------------

10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	2001	4,450		0%	NO
Year 2	2002	4,598		0%	NO
Year 3	2003	4,798		0%	NO
Year 4	2004	4,884		0%	NO
Year 5	2005	4,876		0%	NO
Year 6	2006	4,754		0%	NO
Year 7	2007	4,044		0%	NO
Year 8	2008	4,098		0%	NO
Year 9	2009	5,058		0%	NO
Year 10	2010	5,014		0%	NO
<i>Year 11</i>	0	-			NO
<i>Year 12</i>	0	-			NO
<i>Year 13</i>	0	-			NO
<i>Year 14</i>	0	-			NO
<i>Year 15</i>	0	-			NO

5 Year Baseline - Process Water Deduction Eligibility

Year 1	2003	4,798		0%	NO
Year 2	2004	4,884		0%	NO
Year 3	2005	4,876		0%	NO
Year 4	2006	4,754		0%	NO
Year 5	2007	4,044		0%	NO

* **Units of Measure** (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.

NOTES:

SB X7-7 Table 4-C.2: Process Water Deduction Eligibility

Criteria 2

Industrial water use is equal to or greater than 15 GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Water Use *	Population	Industrial GPCD	Eligible for Exclusion Y/N
10 to 15 Year Baseline - Process Water Deduction Eligibility				
Year 1	2001		15,575	- NO
Year 2	2002		16,379	- NO
Year 3	2003		16,948	- NO
Year 4	2004		17,432	- NO
Year 5	2005		17,710	- NO
Year 6	2006		18,145	- NO
Year 7	2007		18,976	- NO
Year 8	2008		19,777	- NO
Year 9	2009		20,231	- NO
Year 10	2010		20,675	- NO
<i>Year 11</i>	0		-	NO
<i>Year 12</i>	0		-	NO
<i>Year 13</i>	0		-	NO
<i>Year 14</i>	0		-	NO
<i>Year 15</i>	0		-	NO
5 Year Baseline - Process Water Deduction Eligibility				
Year 1	2003		16,948	- NO
Year 2	2004		17,432	- NO
Year 3	2005		17,710	- NO
Year 4	2006		18,145	- NO
Year 5	2007		18,976	- NO
* Units of Measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.				
NOTES:				

SB X7-7 Table 4-C.3: Process Water Deduction Eligibility

Criteria 3

Non-industrial use is equal to or less than 120 GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>	Gross Water Use Without Process Water Deduction <i>Fm SB X7-7 Table 4</i>	Industrial Water Use *	Non-industrial Water Use	Population <i>Fm SB X7-7 Table 3</i>	Non-Industrial GPCD	Eligible for Exclusion Y/N
--------------------------------------------	------------------------------------------------------------------------------	------------------------	--------------------------	-----------------------------------------	---------------------	-------------------------------

10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	2001	4,450		4,450	15,575	255	NO
Year 2	2002	4,598		4,598	16,379	251	NO
Year 3	2003	4,798		4,798	16,948	253	NO
Year 4	2004	4,884		4,884	17,432	250	NO
Year 5	2005	4,876		4,876	17,710	246	NO
Year 6	2006	4,754		4,754	18,145	234	NO
Year 7	2007	4,044		4,044	18,976	190	NO
Year 8	2008	4,098		4,098	19,777	185	NO
Year 9	2009	5,058		5,058	20,231	223	NO
Year 10	2010	5,014		5,014	20,675	216	NO
<i>Year 11</i>	0	-		-	-		NO
<i>Year 12</i>	0	-		-	-		NO
<i>Year 13</i>	0	-		-	-		NO
<i>Year 14</i>	0	-		-	-		NO
<i>Year 15</i>	0	-		-	-		NO

5 Year Baseline - Process Water Deduction Eligibility

Year 1	2003	4,798		4,798	16,948	253	NO
Year 2	2004	4,884		4,884	17,432	250	NO
Year 3	2005	4,876		4,876	17,710	246	NO
Year 4	2006	4,754		4,754	18,145	234	NO
Year 5	2007	4,044		4,044	18,976	190	NO

* **Units of Measure** (AF, MG, or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.

NOTES:

SB X7-7 Table 4-C.4: Process Water Deduction Eligibility

Criteria 4

Disadvantaged Community. A “Disadvantaged Community” (DAC) is a community with a median household income less than 80 percent of the statewide average.

SELECT ONE

"Disadvantaged Community" status was determined using one of the methods listed below:

- 1. IRWM DAC Mapping tool**
<https://gis.water.ca.gov/app/dacs/>

If using the IRWM DAC Mapping Tool, include a screen shot from the tool showing that the service area is considered a DAC.

- 2. 2010 Median Income**

	California Median Household Income	Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N
2010	\$60,883	\$64,555	106%	NO

NOTES:

SB X7-7 Table 5: Baseline Gallons Per Capita Per Day (GPCD)

Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	2001	15,575	4,450	255
Year 2	2002	16,379	4,598	251
Year 3	2003	16,948	4,798	253
Year 4	2004	17,432	4,884	250
Year 5	2005	17,710	4,876	246
Year 6	2006	18,145	4,754	234
Year 7	2007	18,976	4,044	190
Year 8	2008	19,777	4,098	185
Year 9	2009	20,231	5,058	223
Year 10	2010	20,675	5,014	216
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	

10-15 Year Average Baseline GPCD **230**

5 Year Baseline GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2003	16,948	4,798	253
Year 2	2004	17,432	4,884	250
Year 3	2005	17,710	4,876	246
Year 4	2006	18,145	4,754	234
Year 5	2007	18,976	4,044	190

5 Year Average Baseline GPCD **235**

NOTES:

SB X7-7 Table 6: Baseline GPCD *Summary*
From Table SB X7-7 Table 5

10-15 Year Baseline GPCD	230
5 Year Baseline GPCD	235

NOTES:

SB X7-7 Table 7: 2020 Target Method*Select Only One*

Target Method		Supporting Tables
<input checked="" type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D
<input type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator <i>Located in the WUE Data Portal at wuedata.water.ca.gov Resources button</i>

NOTES:

SB X7-7 Table 7-A: Target Method 1

20% Reduction

10-15 Year Baseline GPCD	2020 Target GPCD
230	184

NOTES:

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target ¹	Calculated 2020 Target ²			Confirmed 2020 Target ⁴
		As calculated by supplier in this SB X7-7 Verification Form	Special Situations ³		
			Prorated 2020 Target	Population Weighted Average 2020 Target	
235	223	184			184

¹ **Maximum 2020 Target** is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 GPCD.

² **Calculated 2020 Target** is the target calculated by the Supplier based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target. Supplier may only enter one calculated target.

³ **Prorated targets and population weighted target** are allowed for special situations only. These situations are described in Appendix P, Section P.3

⁴ **Confirmed Target** is the lesser of the Calculated 2020 Target (C5, D5, or E5) or the Maximum 2020 Target (Cell B5)

NOTES:

SB X7-7 COMPLIANCE FORM

SB X7-7 Table 0: Units of Measure Used in 2020 UWMP*

(select one from the drop down list)

Acre Feet

**The unit of measure must be consistent throughout the UWMP, as reported in Submittal Table 2-3.*

NOTES:

Conversion Rate to Gallons:

325851

Conversion Rate to Gallons per Day:

892.7424658

SB X7-7 Table 2: Method for 2020 Population Estimate

Method Used to Determine 2020 Population
(may check more than one)

<input checked="" type="checkbox"/>	1. Department of Finance (DOF) or American Community Survey (ACS)
<input type="checkbox"/>	2. Persons-per-Connection Method
<input type="checkbox"/>	3. DWR Population Tool
<input type="checkbox"/>	4. Other DWR recommends pre-review

NOTES:

SB X7-7 Table 3: 2020 Service Area Population

2020 Compliance Year Population

2020	23,109
-------------	--------

NOTES:

SB X7-7 Table 4: 2020 Gross Water Use

Compliance Year 2020	2020 Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	2020 Deductions					2020 Gross Water Use
		Exported Water *	Change in Dist. System Storage* (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use*	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	
	5,216			-		-	5,216

* Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.

NOTES:

SB X7-7 Table 4-A: 2020 Volume Entering the Distribution System(s), Meter Error Adjustment

Complete one table for each source.

Name of Source		Groundwater	
This water source is (check one) :			
<input checked="" type="checkbox"/>	The supplier's own water source		
<input type="checkbox"/>	A purchased or imported source		
Compliance Year 2020	Volume Entering Distribution System ¹	Meter Error Adjustment ² <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System
	5,216	-	5,216
¹ Units of measure (AF, MG, or CCF) must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.			
Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document ² Meter			
NOTES			

SB X7-7 Table 4-C.1: 2020 Process Water Deduction Eligibility *(For use only by agencies that are deducting process water using Criteria 1)*

Criteria 1
Industrial water use is equal to or greater than 12% of gross water use

2020 Compliance Year	2020 Gross Water Use Without Process Water Deduction	2020 Industrial Water Use	Percent Industrial Water	Eligible for Exclusion Y/N
	5,216	90	2%	NO

NOTES:

SB X7-7 Table 4-C.2: 2020 Process Water Deduction Eligibility*(For**use only by agencies that are deducting process water using Criteria 2)***Criteria 2**

Industrial water use is equal to or greater than 15 GPCD

2020 Compliance Year	2020 Industrial Water Use	2020 Population	2020 Industrial GPCD	Eligible for Exclusion Y/N
	90	23,109	3	NO

NOTES:

SB X7-7 Table 4-C.3: 2020 Process Water Deduction Eligibility

(For use only

by agencies that are deducting process water using Criteria 3)

Criteria 3

Non-industrial use is equal to or less than 120 GPCD

2020 Compliance Year	2020 Gross Water Use Without Process Water Deduction <i>Fm SB X7-7 Table 4</i>	2020 Industrial Water Use	2020 Non-industrial Water Use	2020 Population <i>Fm SB X7-7 Table 3</i>	Non-Industrial GPCD	Eligible for Exclusion Y/N
	5,216	90	5,126	23,109	198	NO

NOTES:

SB X7-7 Table 4-C.4: 2020 Process Water Deduction Eligibility *(For use only by agencies that are deducting process water using Criteria 4)*

Criteria 4

Disadvantaged Community. A “Disadvantaged Community” (DAC) is a community with a median household income less than 80 percent of the statewide average.

SELECT ONE

"Disadvantaged Community" status was determined using one of the methods listed below:

1. IRWM DAC Mapping tool <https://gis.water.ca.gov/app/dacs/>

If using the IRWM DAC Mapping Tool, include a screen shot from the tool showing that the service area is considered a DAC.

2. 2020 Median Income

	California Median Household Income*		Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N
<input checked="" type="checkbox"/>	2020	\$75,235	\$64,555	86%	NO
*California median household income 2015 -2019 as reported in US Census Bureau QuickFacts.					

NOTES

SB X7-7 Table 5: 2020 Gallons Per Capita Per Day (GPCD)

2020 Gross Water <i>Fm SB X7-7 Table 4</i>	2020 Population <i>Fm</i> <i>SB X7-7 Table 3</i>	2020 GPCD
5,216	23,109	202

NOTES:

SB X7-7 Table 9: 2020 Compliance

Actual 2020 GPCD ¹	Optional Adjustments to 2020 GPCD					2020 Confirmed Target GPCD ^{1,2}	Did Supplier Achieve Targeted Reduction for 2020?
	Enter "0" if Adjustment Not Used			TOTAL Adjustments ¹	Adjusted 2020 GPCD ¹ <i>(Adjusted if applicable)</i>		
	Extraordinary Events ¹	Weather Normalization ¹	Economic Adjustment ¹				
202	-	-	-	-	202	180	NO

¹ All values are reported in GPCD

² **2020 Confirmed Target GPCD** is taken from the Supplier's SB X7-7 Verification Form Table SB X7-7, 7-F.

NOTES:

Appendix F
Energy Use Tables

Urban Water Supplier:

City of Oakdale

Water Delivery Product (If delivering more than one type of product use Table O-1C)

Retail Potable Deliveries

Table O-1B: Recommended Energy Reporting - Total Utility Approach

Enter Start Date for Reporting Period	1/1/2020	Urban Water Supplier Operational Control		
End Date	12/31/2020			
<input type="checkbox"/> Is upstream embedded in the values reported?		Sum of All Water Management Processes	Non-Consequential Hydropower	
<i>Water Volume Units Used</i>	AF	Total Utility	Hydropower	Net Utility
<i>Volume of Water Entering Process (volume unit)</i>		5216		5216
<i>Energy Consumed (kWh)</i>		1,528,451		1528451
<i>Energy Intensity (kWh/vol. converted to MG)</i>		899.2	0.0	899.2

Quantity of Self-Generated Renewable Energy

0 kWh

Data Quality (Estimate, Metered Data, Combination of Estimates and Metered Data)

Metered Data

Data Quality Narrative:

The volume of water is the total amount of groundwater pumped in 2020. The total amount of energy used in 2020 was provided by the City.

Narrative:

Energy is consumed during well pumping.

Urban Water Supplier:

City of Oakdale

Table O-2: Recommended Energy Reporting - Wastewater & Recycled Water						
Enter Start Date for Reporting Period		1/1/2020		Urban Water Supplier Operational Control		
End Date		12/31/2020				
Water Management Process						
<input type="checkbox"/> Is upstream embedded in the values reported?	Volume of Water Units Used	AF	Collection / Conveyance	Treatment	Discharge / Distribution	Total
			Volume of Wastewater Entering Process (volume units selected above)	1556	1556	
Wastewater Energy Consumed (kWh)	80,247	8032		88279		
Wastewater Energy Intensity (kWh/volume)	158.3	15.9	0.0	174.2		
Volume of Recycled Water Entering Process (volume units selected above)				0		
Recycled Water Energy Consumed (kWh)				0		
Recycled Water Energy Intensity (kWh/volume converted to MG)	0.0	0.0	0.0	0.0		

Quantity of Self-Generated Renewable Energy related to recycled water and wastewater operations

0 kWh

Data Quality (Estimate, Metered Data, Combination of Estimates and Metered Data)

Metered Data

Data Quality Narrative:

The volume of wastewater and the total amount of energy used in 2020 was provided by the City.

Narrative:

Energy is consumed during pumping and treatment at the wastewater treatment plant.

Appendix G

Consumer Confidence Reports

City of Oakdale Water Quality Report

2016



Maintaining Water Quality

The City continually works to maintain the quality of its water. One of these regular activities is water main flushing. City Water Operations staff periodically flush water mains to remove sediment and keep the distribution system pipes as clean as possible. Sometimes residents near the flushing experience temporary discoloration in their water. This discoloration does not diminish the safety of the water. If you experience discoloration in your water after crews have been flushing in your neighborhood, you can usually clear the discolored water from your water pipes by running water faucets for 2 to 3 minutes.



The Drought is Over! for Now

We want to thank everyone for their tremendous efforts conserving water during the recent drought years. This winter has helped with our water supply, but the next drought may be right around the corner. Limiting water use today allows the groundwater to replenish for use tomorrow. Because drought periods are a regular part of living in California, water conservation must be a part of our everyday life. So please continue to use water sparingly. For more tips on how to help, visit the City's Water Conservation website: www.oakdalegov.org.

What's New?

A New City Well! The City of Oakdale is completing construction of a new water supply well. The new well is located on Greger Street, west of Yosemite Avenue. It will replace some of the older Oakdale wells, and provide the community with a high-quality, reliable water supply for many years to come.

Oakdale's WaterInsight program!

Six times per year, you'll receive a personalized HomeWater Report by email, or by mail if you prefer. The report and a companion website (oakdale.waterinsight.com) will help you to:

- Understand your water use and how it compares to similar, nearby homes.
- Find easy and effective ways to save water and money, with step-by-step advice.
- Stay up to date on Oakdale water news and events.

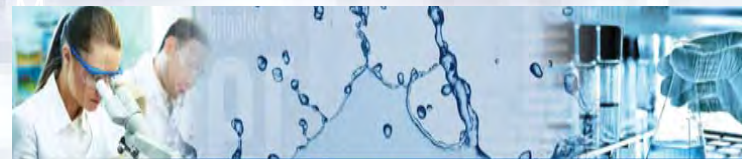
Drinking Water Violations

One of the most important responsibilities we have at the Water Division is keeping bacteria out of our drinking water. Bacteria are all around us, on most everything we touch, including our phones, our computers, our toothbrushes, and even on our skin. Each of us carry trillions of bacteria around, on and within our bodies. Most of these bacteria are harmless, and many are actually beneficial to our health. But there are some types of bacteria that can be harmful, and we call these *pathogens*. These are the type of bacteria we don't want to find in our drinking water. The bacteria we are most concerned with are called fecal bacteria, a type of bacteria commonly found in the intestines of warm blooded animals (like humans), since they can include pathogens.

As a part of its normal practice to protect public health, the City collects several samples from the water system every week to check for any signs of bacteria. There are no quick and easy tests just for pathogens, so we test for a large group of common, everyday bacteria called coliforms. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system.

In October, 2016, a single water sample indicated the presence of total coliform bacteria. Additional samples were taken and confirmed the results of the first test, but **none of the samples indicated the presence of any fecal bacteria**. City water crews took precautions by flushing the water system and adding small amounts of disinfectant (chlorine) to the water. The following month the same event occurred (presence of total coliform found in water, but no fecal bacteria). Again, City water crews flushed the water system and added a small amount of disinfectant to the water. Afterwards, additional testing indicated that no coliform bacteria remained in the system. In accordance with state and federal drinking water regulations, these events were communicated to the public through letters we sent to all our customers in late fall, 2016.

Because we found coliforms, we needed to look for potential problems in the water distribution system. State laws require that we conduct assessments of the water system to identify any potential problems, and to correct any problems that are found during an assessment. During the past year, one (1) *Level 1* and one (1) *Level 2 assessment* were required and completed for our water system in 2016. In addition, we were required to take corrective actions (flush, disinfect, and send out public notices, as discussed above) all of which we completed in accordance with State recommendations.



Drinking Water Consumer Confidence Report - 2016

What's In Your Water?

A summary of how the City of Oakdale is meeting or exceeding all EPA and State drinking water health standards.

The City of Oakdale is committed to providing its customers with a safe and reliable supply of high-quality water that meets all Federal and State drinking water requirements. Each year the City provides our customers with a summary of the water testing we performed the previous year in a Consumer Confidence Report. The main purpose is to inform you, our customer, if the water you drink is safe, and what we do to make sure it is.

We encourage our non-English speaking residents to speak with someone who can assist them in reading this report. *Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.*

Questions?

Phone: (209) 845-3600

Mailing Address: 455 S. Fifth Street
Oakdale, Ca 95368



Where Does My Water Come From?

The City of Oakdale gets all of its water from local groundwater. The City owns six (6) water wells located around the City that supply all the water we use for drinking and landscape irrigation. For a detailed description of the City's water system and plans for improvements, see the City's Water Master Plan (<http://www.oakdalegov.com/public-services-cuzk>).

Is My Water Safe?

Government regulations mandate that public water systems test their drinking water for numerous contaminants, including bacteria, lead, arsenic, pesticides, and many other chemicals. Like the food we eat, all water (including bottled water) will have trace amounts of contaminants, but this does not necessarily mean it is a health risk if you drink it. Government regulations have established acceptable amounts of contaminants that water can have and still be safe to drink, called *maximum contaminant levels* (MCLs). Based on independent laboratory testing, last year the City of Oakdale's water was found to be safe to drink with **no harmful levels of contaminants**. Last year we collected and tested more than 250 water samples for over 80 contaminants, and only two (2) were higher than the State allows (See "Drinking Water Violations").

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Water Resources Control Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline.

Normal sources of drinking water include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radio-active material, and can pick up substances resulting from the presence of animals or from human activity. *Source assessments* (reports that evaluate the potential for contaminants) have been conducted for each City well and can be obtained upon request.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants; naturally occurring or the result of oil and gas production and mining activities.

LEAD when present in elevated levels can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Oakdale is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline, or at <http://www.epa.gov/safewater/lead>.

NITRATE in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Definitions for abbreviations:

Maximum Contaminant Level (MCL) The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goal as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG) The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Public Health Goal (PHG) The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Primary Drinking Water Standard (PDWS) MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Action Level (AL) The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Level 1/Level 2 Assessments Detailed studies of the water system to identify potential problems and determine (if possible) why total coliform bacteria were found in Oakdale's water system (Level 1), and then more than once (Level 2).

umho/cm: micro-siemen per centimeter (conductivity)
 NA: Not Applicable
 ND: Non Detectable
 ppb: parts per billion or micrograms per liter (ug/L)
 ppm: parts per million or milligrams per liter (mg/L)

Water Quality Report

Water quality data for the period of January 1 - December 31, 2016

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM AND FECAL BACTERIA

Microbiological Contaminants	Highest No. of Detections (per month)	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	6	2	More than one sample per month with a detection that total coliform bacteria are present	0	Naturally present in the environment
Fecal Coliform or E. coli	0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or E. coli	0	Human and animal fecal waste

TABLE 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituents	Sample Date	Avg Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	2015-2016	12	10-14	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2015-2016	88	58-120	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring.

TABLE 3 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (and reporting units)	No. of Samples Collected (Date)	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	30 (2016)	<5	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.
Copper (ppm)	30 (2016)	0.07	0	1.3	0.3	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Avg. Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Arsenic (ppb)	2015-2016	<2	<2 - 3	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppb)	2015-2016	<100	<100 - 120	1000	2000	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Nitrate as Nitrogen (ppm)	2016	2.4	0.7 - 5.4	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Tetrachloroethylene-PCE (ppb)	2013-2015	0.5	<0.5 - 4.8	5	0.06	Discharge from factories, dry cleaners, and auto shops, Solvent for turbine oil used as lubrication for water well
Hexavalent Chromium (ppb)	2016	1.5	<1 - 2.8	NA	0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, and textile facilities

TABLE 5- DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Avg Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Total Dissolved Solids (ppm)	2015-2016	172	140 - 210	1000	N/A	Runoff/leaching from natural deposits
Specific Conductance (umho/cm)	2016	212	160 - 300	1600	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm)	2015-2016	5	3 - 6	500	N/A	Runoff/ leaching from natural influences; seawater influence
Sulfate (ppm)	2012-2015	5	3 - 7	500	N/A	Runoff/ leaching from natural deposits' industrial wastes

TABLE 6- DETECTION OF UREGULATED CONTAMINANT MONITORING RULE 3 CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Range of Detections	AL	Typical Source of Contaminant
Vanadium (ppb)	2014	9 - 12	50	The babies of some pregnant women who drink water containing vanadium in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.
Molybdenum (ppb)	2014	<1-1	NA	NA
Strontium (ppm)	2014	210 - 410	NA	NA

Want to get involved? The Oakdale City Council meets at 277 N. Second Avenue every 1st and 3rd Monday of every month at 7:00 p.m., and you are welcome to attend and express your ideas and concerns.

A high-speed photograph of water being poured from a glass pitcher into a clear glass. The water is captured mid-pour, creating a dynamic splash and ripples in the glass. The background is a soft, light blue gradient with faint circular patterns.

Presented By
City of Oakdale

ANNUAL
**WATER
QUALITY
REPORT**

WATER TESTING PERFORMED IN 2017

Quality First

Once again we are pleased to present our annual water quality report. As always, the City of Oakdale is committed to delivering the best-quality drinking water possible. To that end, we remain vigilant in meeting the challenges of new Federal and State regulations, source water protection, water conservation, and community outreach and education, while continuing to serve the needs of all of our water users. Thank you for allowing us the opportunity to serve you and your family.

We encourage you to share your thoughts with us on the information contained in this report. After all, well-informed customers are our best allies.

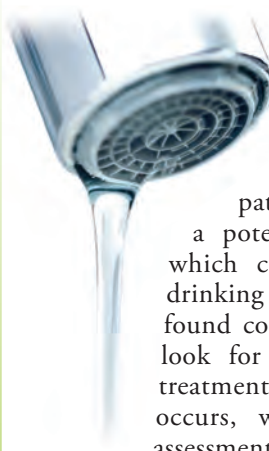
Where Does My Water Come From?

The City of Oakdale gets all of its water from local ground water. The City owns seven (7) water wells located around the City that supply all the water we use for drinking and landscape irrigation. For a detailed description of the City's water system and plans

for improvements, see the City's Water Master Plan (www.oakdalegov.com/public-services-cuzk).



Assessment Update



Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found

during these assessments.

In April of 2017, total coliform bacteria was detected in the drinking water distribution system. On May 11, 2017, the State issued a violation citation for the total coliform presence. In response, the public was notified, and a "Level 2 Assessment" was performed. Follow-up testing after the completion of the assessment confirmed that the problem had been resolved.

In addition, we were required to take the following corrective actions: public notification of the consumers served by the city about the bacteriological quality failure; begin continual chlorination of all the wells for disinfection purposes; actively flush the entire drinking water system to ensure complete migration of the chlorine disinfectant; and, increase the weekly number of bacteriological quality samplings. All corrective actions have been completed.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



Want to Get Involved?

The City Council meets at 277 N. Second Avenue every first and third Mondays of each month, beginning at 7:00 p.m. You are welcome to attend and express your ideas and concerns.



Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban storm-water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and which can also come from gas stations, urban storm-water runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Tip Top Tap

The most common signs that your faucet or sink is affecting the quality of your drinking water are discolored water, sink or faucet stains, a buildup of particles, unusual odors or tastes, and a reduced flow of water. The solutions to these problems may be in your hands.

Kitchen Sink and Drain

Hand washing, soap scum buildup, and the handling of raw meats and vegetables can contaminate your sink. Clogged drains can lead to unclean sinks and backed up water in which bacteria (i.e., pink- and black-colored slime growth) can grow and contaminate the sink area and faucet, causing a rotten egg odor. Disinfect and clean the sink and drain area regularly. Also, flush regularly with hot water.

Faucets, Screens, and Aerators

Chemicals and bacteria can splash and accumulate on the faucet screen and aerator, which are located on the tip of faucets, and can collect particles such as sediment and minerals, resulting in a decreased flow from the faucet. Clean and disinfect the aerators or screens on a regular basis.

Check with your plumber if you find particles in the faucet screen, as they could be pieces of plastic from the hot water heater dip tube. Faucet gaskets can break down and cause black, oily slime. If you find this slime, replace the faucet gasket with a higher-quality product. White scaling or hard deposits on faucets and showerheads may be caused by hard water or water with high levels of calcium carbonate. Clean these fixtures with vinegar or use water softening to reduce the calcium carbonate levels for the hot water system.

Water Filtration/Treatment Devices

A smell of rotten eggs can be a sign of bacteria on the filters or in the treatment system. The system can also become clogged over time so regular filter replacement is important. (Remember to replace your refrigerator filter!)

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please call the City of Oakdale at (209) 845-3600.



Source Water Assessment

A Source Water Assessment was conducted for the wells of the City of Oakdale water system in February 2001. The sources are considered most vulnerable to the following activities: sewer collection systems (sewer lines), dry cleaners, historic waste dumps, landfills, injection wells, gas stations, plastics and synthetics producers, and septic systems. For more information regarding the assessment summary, contact the City of Oakdale Public Works at (209) 845-3600.



Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/lead.



Information on the Internet

The U.S. EPA (<https://www.epa.gov>) and the Centers for Disease Control and Prevention (www.cdc.gov) web sites provide a substantial amount of information on many issues relating to water resources, water conservation, and public health. Also, the State Water Resources Control Board has a web site (<https://www.waterboards.ca.gov>) that provides complete and current information on water issues in California, including valuable information about our watershed.



Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. The information in the data tables shows only those substances that were detected between January 1 and December 31, 2017. Remember that detecting a substance does not necessarily mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels. The State recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

We participated in the 3rd stage of the EPA's Unregulated Contaminant Monitoring Rule (UCMR3) program by performing additional tests on our drinking water. UCMR3 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if EPA needs to introduce new regulatory standards to improve drinking water quality. Contact us at 209-845-3600 for more information on this program.

REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	2016	10	0.004	<2	<2–3	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm)	2016	1	2	<0.1	<0.1–<0.1	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chlorine (ppm)	2017	[4.0 (as Cl ₂)]	[4 (as Cl ₂)]	NA	<0.07–0.7	No	Drinking water disinfectant added for treatment
Fecal coliform and <i>E. coli</i> (# positive samples)	2017	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive		(0)	0	NA	Human and animal fecal waste
Hexavalent Chromium (ppb)	2016	NS ¹	0.02	2	1–3	No	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Nitrate [as nitrogen] (ppm)	2017	10	10	2	0.7–5	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Total Coliform Bacteria (positive samples)	2017	TT	NA	3	NA	Yes	Naturally present in the environment

Tap Water Samples Collected for Copper and Lead Analyses from Sample Sites throughout the Community

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	PHG (MCLG)	AMOUNT DETECTED (90TH% TILE)	SITES ABOVE AL/ TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2016	1.3	0.3	0.07	0/30	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	2016	15	0.2	<5	0/30	No	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits

SECONDARY SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	2016	500	NS	5	3–6	No	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µmho/cm)	2016	1,600	NS	212	160–300	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2016	500	NS	5	3–7	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2016	1,000	NS	172	140–210	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2016	5	NS	<0.05	<0.05–0.1	No	Soil runoff

UNREGULATED SUBSTANCES ²

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Hardness, Total [as CaCO ₃] (ppm)	2016	88	60–120	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring
Sodium (ppm)	2015-2016	12	10–14	Salt present in the water is generally naturally occurring

UNREGULATED CONTAMINANT MONITORING RULE - PART 3 (UCMR3) ²

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH
Molybdenum (ppb)	2014	NA	<1–1
Strontium (ppb)	2014	NA	210–410
Vanadium (ppb)	2014	50	9–12

¹ There is currently no MCL for hexavalent chromium. The previous MCL of 10 ppb was withdrawn on September 11, 2017.

² Unregulated contaminant monitoring helps U.S. EPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

Definitions

(micromhos per centimeter): A unit expressing the amount of electrical conductivity of a solution.

AL (Regulatory Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

NS: No standard.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.



ANNUAL WATER QUALITY REPORT

REPORTING YEAR 2018

Presented By
City of Oakdale

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

PWS ID#: CA5010014

Quality First

Once again we are pleased to present our annual water quality report. As always, the City of Oakdale is committed to delivering the best-quality drinking water possible. To that end, we remain vigilant in meeting the challenges of new and existing Federal and State regulations, source water protection, water conservation, and community outreach and education while continuing to serve the needs of all of our water users. Thank you for allowing us the opportunity to serve you and your family.

We encourage you to share your thoughts with us on the information contained in this report. After all, well-informed customers are our best allies.

Source Water Assessment

A Source Water Assessment was conducted for the wells of the City of Oakdale water system in February 2001. The sources are considered most vulnerable to the following activities: sewer collection systems (sewer lines), dry cleaners, historic waste dumps, landfills, injection wells, gas stations, plastics and synthetics producers, and septic systems. For more information regarding the assessment summary, contact City of Oakdale Public Works at (209) 845-3600.



Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as those with cancer undergoing chemotherapy, those who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



Where Does My Water Come From?

The City of Oakdale gets all of its water from local groundwater. The City owns seven (7) water wells located around the City that supply all the water we use for drinking and landscape irrigation. For a detailed description of the City's water system and plans for improvements, see the City's Water Master Plan (<http://www.oakdalegov.com/public-services-cuzk>).

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/lead.

Tap vs. Bottled

Thanks in part to aggressive marketing, the bottled water industry has successfully convinced us all that water purchased in bottles is a healthier alternative to tap water. However, according to a four-year study conducted by the Natural Resources Defense Council, bottled water is not necessarily cleaner or safer than most tap water. In fact, about 25 percent of bottled water is actually just bottled tap water (40 percent, according to government estimates).

The Food and Drug Administration is responsible for regulating bottled water, but these rules allow for less rigorous testing and purity standards than those required by the U.S. EPA for community tap water. For instance, the high mineral content of some bottled waters makes them unsuitable for babies and young children. Furthermore, the FDA completely exempts bottled water that's packaged and sold within the same state, which accounts for about 70 percent of all bottled water sold in the United States.

People spend 10,000 times more per gallon for bottled water than they typically do for tap water. If you get your recommended eight glasses a day from bottled water, you could spend up to \$1,400 annually. The same amount of tap water would cost about 49 cents. Even if you installed a filter device on your tap, your annual expenditure would be far less than what you'd pay for bottled water.

For a detailed discussion on the NRDC study results, check out their Web site at <https://goo.gl/Jxb6xG>.

Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Benefits of Chlorination

Disinfection, a chemical process used to control disease-causing microorganisms by killing or inactivating them, is unquestionably the most important step in drinking water treatment. By far the most common method of disinfection in North America is chlorination.

Before communities began routinely treating drinking water with chlorine (starting with Chicago and Jersey City in 1908), cholera, typhoid fever, dysentery, and hepatitis A killed thousands of U.S. residents annually. Drinking water chlorination and filtration have helped to virtually eliminate these diseases in the U.S. Significant strides in public health are directly linked to the adoption of drinking water chlorination. In fact, the filtration of drinking water plus the use of chlorine is probably the most significant public health advancement in human history.

How chlorination works:

Potent Germicide Reduction in the level of many disease-causing microorganisms in drinking water to almost immeasurable levels.

Taste and Odor Reduction of many disagreeable tastes and odors like foul-smelling algae secretions, sulfides, and odors from decaying vegetation.

Biological Growth Elimination of slime bacteria, molds, and algae that commonly grow in water supply reservoirs, on the walls of water mains, and in storage tanks.

Chemical Removal of hydrogen sulfide (which has a rotten egg odor), ammonia, and other nitrogenous compounds that have unpleasant tastes and hinder disinfection. It also helps to remove iron and manganese from raw water.

Want to get involved?

The City Council meets at 277 N. Second Avenue every 1st and 3rd Monday of each month, beginning at 7:00 p.m. You are welcome to attend and express your ideas and concerns.

We remain vigilant in delivering the best-quality drinking water

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please call the Chief Water Operator at the City of Oakdale at (209) 845-3600.

Table Talk

Get the most out of the Testing Results data table with this simple suggestion. In less than a minute, you will know all there is to know about your water:

For each substance listed, compare the value in the Amount Detected column against the value in the MCL (or AL, SMCL) column. If the Amount Detected value is smaller, your water meets the health and safety standards set for the substance.

Other Table Information Worth Noting

Verify that there were no violations of the state and/or federal standards in the Violation column. If there was a violation, you will see a detailed description of the event in this report.

If there is an ND or a less-than symbol (<), that means that the substance was not detected (i.e., below the detectable limits of the testing equipment).

The Range column displays the lowest and highest sample readings. If there is an NA showing, that means only a single sample was taken to test for the substance (assuming there is a reported value in the Amount Detected column).

If there is sufficient evidence to indicate from where the substance originates, it will be listed under Typical Source.



UCMR4 Sampling

We participated in the 4th stage of the U.S. EPA's Unregulated Contaminant Monitoring Rule (UCMR4) program by performing additional tests on our drinking water. UCMR4 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if the EPA needs to introduce new regulatory standards to improve drinking water quality. Contact us at (209) 845-3600 for more information on this program.



Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. The information in the data tables shows only those substances that were detected between January 1 and December 31, 2018. Remember that detecting a substance does not necessarily mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.

The State recommends monitoring for certain substances less often than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

REGULATED SUBSTANCES							
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	2016	10	0.004	<2	<2–3	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Chlorine (ppm)	2018	[4.0 (as Cl ₂)]	[4 (as Cl ₂)]	NA	<0.05–0.6	No	Drinking water disinfectant added for treatment
Hexavalent Chromium (ppb)	2016	NS ¹	0.02	2	1–3	No	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Nitrate [as nitrogen] (ppm)	2018	10	10	3	0.7–6	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Total Coliform Bacteria [Federal Revised Total Coliform Rule] (Positive samples)	2018	TT	NA	0	NA	No	Naturally present in the environment
Tap water samples were collected for lead and copper analyses from sample sites throughout the community.							
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	PHG (MCLG)	AMOUNT DETECTED (90TH %ILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2016	1.3	0.3	0.07	0/30	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	2016	15	0.2	<5	0/30	No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
SECONDARY SUBSTANCES							
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	2018	500	NS	4	3–6	No	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µmho/cm)	2018	1,600	NS	201	160–300	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2018	500	NS	4	2–7	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2018	1,000	NS	204	150–240	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2018	5	NS	<0.05	<0.05–0.1	No	Soil runoff

UNREGULATED SUBSTANCES ²

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Hardness, Total [as CaCO₃] (ppm)	2018	75	57–120	Sum of polyvalent cations present in the water, generally, magnesium and calcium; usually naturally occurring
Sodium (ppm)	2016–2018	12	10–14	Salt present in the water; generally, naturally occurring
Trichloropropane [1,2,3-TCP] (ppb)	2018	<0.005	<0.005–0.006	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as a cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; by-product during the production of other compounds and pesticides

OTHER UNREGULATED SUBSTANCES ²

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH
Bromide (ppb)	2018	NA	28–71
Molybdenum (ppb)	2014	NA	<1–1
Strontium (ppb)	2014	NA	210–410
Vanadium (ppb)	2014	50	9–12

¹There is currently no MCL for hexavalent chromium. The previous MCL of 10 ppb was withdrawn on September 11, 2017.

²Unregulated contaminant monitoring helps the U.S. EPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

AL (Regulatory Action Level): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

µmho/cm (micromhos per centimeter): A unit expressing the amount of electrical conductivity of a solution.

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

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NA: Not applicable

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NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

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TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

ANNUAL WATER QUALITY REPORT

REPORTING YEAR 2019

Presented By
City of Oakdale

Our Mission Continues

We are once again pleased to present our annual water quality report covering all testing performed between January 1 and December 31, 2019. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best-quality drinking water to you. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education, while continuing to serve the needs of all our water users.

Please remember that we are always available should you ever have any questions or concerns about your water.

Where Does My Water Come From?

The City of Oakdale gets all of its water from local groundwater. The City owns eight water wells located around the City that supply all the water we use for drinking and landscape irrigation. For a detailed description of the City's water system and plans for improvements, see the City's Water Master Plan (www.oakdalegov.com/public-services-cuzk).

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



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The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban storm-water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and which can also come from gas stations, urban storm-water runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Want to Get Involved?

The City Council meets at 277 N. Second Avenue every first and third Monday of each month, beginning at 7:00 p.m. You are welcome to attend and express your ideas and concerns.

QUESTIONS?

For more information about this report, or for any questions related to your drinking water, please call the City of Oakdale at (209) 845-3600.

FOG (fats, oils, and grease)

You may not be aware of it, but every time you pour fat, oil, or grease (FOG) down your sink (e.g., bacon grease), you are contributing to a costly problem in the sewer collection system. FOG coats the inner walls of the plumbing in your house as well as the walls of underground piping throughout the community. Over time, these greasy materials build up and form blockages in pipes, which can lead to wastewater backing up into parks, yards, streets, and storm drains. These backups allow FOG to contaminate local waters, including drinking water. Exposure to untreated wastewater is a public health hazard. FOG discharged into septic systems and drain fields can also cause malfunctions, resulting in more frequent tank pump-outs and other expenses.

Communities spend billions of dollars every year to unplug or replace grease-blocked pipes, repair pump stations, and clean up costly and illegal wastewater spills. Here are some tips that you and your family can follow to help maintain a well-run system now and in the future:

NEVER:

- Pour fats, oil, or grease down the house or storm drains.
- Dispose of food scraps by flushing them.
- Use the toilet as a waste basket.

ALWAYS:

- Scrape and collect fat, oil, and grease into a waste container such as an empty coffee can, and dispose of it with your garbage.
- Place food scraps in waste containers or garbage bags for disposal with solid wastes.
- Place a wastebasket in each bathroom for solid wastes like disposable diapers, creams and lotions, and personal hygiene products, including nonbiodegradable wipes.

Source Water Assessment

A Source Water Assessment was conducted for the wells of the City of Oakdale water system in February 2001. The sources are considered most vulnerable to the following activities: sewer collection systems (sewer lines), dry cleaners, historic waste dumps, landfills, injection wells, gas stations, plastics and synthetics producers, and septic systems. For more information regarding the assessment summary, contact the City of Oakdale Public Works at (209) 845-3600.

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at www.epa.gov/safewater/lead.

Tap versus Bottled

Thanks in part to aggressive marketing, the bottled water industry has successfully convinced us all that water purchased in bottles is a healthier alternative to tap water. However, according to a four-year study conducted by the Natural Resources Defense Council, bottled

water is not necessarily cleaner or safer than most tap water. In fact, about 25 percent of bottled water is actually just bottled tap water (40 percent according to government estimates).

The Food and Drug Administration is responsible for regulating bottled water, but these rules allow for less rigorous testing and purity standards than those required by the U.S. EPA for community tap water. For instance, the high mineral content of some bottled waters makes them unsuitable for babies and young children. Further, the FDA completely exempts bottled water that is packaged and sold within the same state, which accounts for about 70 percent of all bottled water sold in the United States.

People spend 10,000 times more per gallon for bottled water than they typically do for tap water. If you get your recommended eight glasses a day from bottled water, you could spend up to \$1,400 annually. The same amount of tap water would cost about 49 cents. Even if you installed a filter device on your tap, your annual expenditure would be far less than what you would pay for bottled water.

For a detailed discussion on the NRDC study results, check out their website at <https://goo.gl/Jxb6xG>.



Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. And, the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.

The State recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

We participated in the 4th stage of the U.S. EPA's Unregulated Contaminant Monitoring Rule (UCMR4) program by performing additional tests on our drinking water. UCMR4 sampling benefits the environment and public health by providing the U.S. EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if U.S. EPA needs to introduce new regulatory standards to improve drinking water quality. Unregulated contaminant monitoring data are available to the public, so please feel free to contact us if you are interested in obtaining that information. If you would like more information on the U.S. EPA's Unregulated Contaminants Monitoring Rule, please call the Safe Drinking Water Hotline at (800) 426-4791.

REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	2019	10	0.004	<2	<2–2	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm)	2019	1	2	<0.1	<0.1–0.1	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chlorine (ppm)	2019	[4.0 (as Cl ₂)]	[4 (as Cl ₂)]	NA	0.1–0.8	No	Drinking water disinfectant added for treatment
<i>E. coli</i> [federal Revised Total Coliform Rule]¹ (# positive samples)	2019	See footnote 1	(0)	NA	NA	No	Human and animal fecal waste
Fecal Coliform and <i>E. coli</i> [state Total Coliform Rule]² (# positive samples)	2019	See footnote 2	[0]	0	NA	No	Human and animal fecal waste
Gross Alpha Particle Activity (pCi/L)	2019	15	(0)	<3	<3–6	No	Erosion of natural deposits
Nitrate [as nitrogen] (ppm)	2019	10	10	2	0.4–6	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
TTHMs [Total Trihalomethanes]	2019	80	NA	NA	<1–3	No	By-product of drinking water disinfection
Total Coliform Bacteria [federal Revised Total Coliform Rule] (positive samples)	2019	TT	NA	0	NA	No	Naturally present in the environment

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

AL (Regulatory Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

pCi/L (picocuries per liter): A measure of radioactivity.

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

µmho/cm (micromhos per centimeter): A unit expressing the amount of electrical conductivity of a solution.

Tap Water Samples Collected for Copper and Lead Analyses from Sample Sites throughout the Community

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	PHG (MCLG)	AMOUNT DETECTED (90TH %ILE)	SITES ABOVE AL/ TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2019	1.3	0.3	0.09	0/30	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	2019	15	0.2	<5	0/30	No	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits

SECONDARY SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	2019	500	NS	9	3–29	No	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µmho/cm)	2019	1,600	NS	270	190–400	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2019	500	NS	7	2–23	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2019	1,000	NS	195	150–270	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2019	5	NS	0.10	<0.05–0.3	No	Soil runoff

UNREGULATED SUBSTANCES³

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Hardness, Total [as CaCO ₃] (ppm)	2019	99	57–150	Sum of polyvalent cations present in the water, generally Magnesium and Calcium, and are usually naturally occurring
Sodium (ppm)	2018-2019	17	11–23	Salt present in the water is generally naturally occurring
Trichloropropane [1,2,3-TCP] (ppb)	2019	<0.005	<0.005–0.007	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as a cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; by-product during the production of other compounds and pesticides

OTHER UNREGULATED SUBSTANCES³

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH
Bromide (ppb)	2018	NA	28–71
Molybdenum (ppb)	2014	NA	<1–1
Strontium (ppb)	2014	NA	210–410
Vanadium (ppb)	2014	50	9–12

¹ Routine and repeat samples are total coliform-positive and either *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample, or system fails to analyze total coliform-positive repeat sample for *E. coli*.

² A routine sample and a repeat sample detect total coliform, and either sample also detects fecal coliform or *E. coli*.

³ Unregulated contaminant monitoring helps U.S. EPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.





ANNUAL WATER QUALITY REPORT

REPORTING YEAR 2020

Presented By
City of Oakdale



Quality First

Once again, we are pleased to present our annual water quality report covering all testing performed between January 1 and December 31, 2020. As in years past, we are committed to delivering the best-quality drinking water possible. To that end, we remain vigilant in meeting the challenges of new regulations, source water protection, water conservation, and community outreach and education, while continuing to serve the needs of all our water users. Thank you for allowing us the opportunity to serve you and your family.

We encourage you to share your thoughts with us on the information contained in this report. After all, well-informed customers are our best allies.

Where Does My Water Come From?

The City of Oakdale gets all of its water from local groundwater. The city owns eight water wells located around the City that supply all the water we use for drinking and landscape irrigation. For a detailed description of the city's water system and plans for improvements, see the city's Water Master Plan (www.oakdalegov.com/public-services-cuzk).

Source Water Assessment

A Source Water Assessment was conducted for the wells of the City of Oakdale water system in February 2001. The sources are considered most vulnerable to the following activities: sewer collection systems (sewer lines), dry cleaners, historic waste dumps, landfills, injection wells, gas stations, plastics and synthetics producers, and septic systems. For more information regarding the assessment summary, contact the City of Oakdale Public Works at (209) 845-3600.

“

We remain vigilant in delivering the best-quality drinking water

”

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at www.epa.gov/safewater/lead.

Want to Get Involved?

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QUESTIONS?

For more information about this report, or for any questions related to your drinking water, please call the City of Oakdale at (209) 845-3600.



Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

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Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. And, the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.

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<i>E. coli</i> [federal Revised Total Coliform Rule]¹ (# positive samples)	2019	see footnote*	(0)	NA	NA	No	Human and animal fecal waste
Fecal Coliform and <i>E. coli</i> [state Total Coliform Rule]² (# positive samples)	2020	See footnote	[0]	0	NA	No	Human and animal fecal waste
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µmho/cm (micromhos per centimeter): A unit expressing the amount of electrical conductivity of a solution.

Appendix H

Water Shortage Contingency Plan

City of Oakdale

Water Shortage Contingency Plan

DRAFT

OCTOBER 2021

Prepared for:

CITY OF OAKDALE
PUBLIC SERVICES DEPARTMENT
455 S. Fifth Avenue
Oakdale, CA 95361

Prepared by:

BLACK WATER CONSULTING ENGINEERS, INC.
602 Lyell Drive
Modesto, CA 95356
(209) 322-1820

BLACKWATER
CONSULTING ENGINEERS, INC.

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LIST OF ACRONYMS AND ABBREVIATIONS

Annual Assessment	Annual Water Supply and Demand Assessment
AWSAR	Annual Water Shortage Assessment Report
City	City of Oakdale
CWC	California Water Code
DCP	Drought Contingency Plan
DWR	California Department of Water Resources
gpcd	gallons per capita per day
gpm	gallons per minute
LHMP	Local Hazard Mitigation Plan
MC	Municipal Code
OID	Oakdale Irrigation District
PW	Public Works
Rate Study	Water and Wastewater Rate Study
SCADA	Supervisory Control and Data Acquisition
SB	Senate Bill
UWMP	Urban Water Management Plan
WSCP	Water Shortage Contingency Plan

1 Introduction

In response to the severe drought of 2012-2016, legislation was adopted in 2018 mandating that the Urban Water Management Plan (UWMP) include a Water Shortage Contingency Plan (WSCP) that provides a detailed proposal for assessing water supply availability and response actions to water shortage conditions. Although required to be included with the 2020 UWMP, the WSCP is a stand-alone document and can be amended on its own.

The WSCP is required to include:

- Key attributes of the water supply reliability analysis conducted pursuant to California Water Code (CWC) Section 10632. [CWC Section 10632(a)(1)]
- Six standard water shortage levels corresponding to progressive ranges of up to 10-, 20-, 30-, 40-, and 50-percent shortages and greater than 50-percent shortage. [CWC Section 10632(a)(3)(A)]
- Locally appropriate “shortage response actions” for each shortage level, with a corresponding estimate of the extent the action will address the gap between supplies and demands. [CWC Section 10632(a)(4)]
- Procedures for conducting an Annual Water Supply and Demand Assessment (Annual Assessment) with prescribed elements. Under CWC 10632.1, urban water suppliers are required to submit by July 1 of each year, beginning in the year following adoption of the 2020 UWMP, an Annual Water Shortage Assessment Report (AWSAR) to the California Department of Water Resources (DWR). [CWC Section 10632(a)(2)]
- Communication protocols and procedures to inform customers, the public, and government entities of any current or predicted water shortages and associated response actions. [CWC Section 10632(a)(5)]
- Monitoring and reporting procedures to assure appropriate data is collected to monitor customer compliance and to respond to any state reporting requirements. [CWC Section 10632(a)(9)]
- A re-evaluation and improvement process to assess the functionality of the WSCP and to make appropriate adjustments as warranted. [CWC Section 10632(a)(10)]

2 Water Supply Reliability Analysis

Water Code Section 10632(a)(1)

The analysis of water supply reliability conducted pursuant to Section 10635.

Pursuant to CWC Section 10632(a)(1), this section examines the (a) findings related to water system reliability conducted pursuant to CWC Section 10632, and (b) the key issues that may create a shortage condition based on the City of Oakdale’s (City) water asset portfolio. These topics are described in Chapters 6 and 7 of the 2020 UWMP, but are also summarized below, recognizing that the WSCP is a stand-alone document.

The City's sole source of drinking water is from the Modesto groundwater subbasin underlying the community. The City water system has eight (8) groundwater production wells and one (1) standby well

with a total estimated well production capacity of 12,118 gallons per minute (gpm). The Modesto groundwater subbasin is a high priority basin.

The City's 2020 UWMP evaluates the long-term (20-year) and near-term (5-year) supply reliability of the City's water system, including consideration for a normal year, single dry year, and a 5-year dry period. Constraints on the water supply reliability for the City are primarily water quantity, water quality, and climate change. The 2020 UWMP estimates that the reliability of the City's water supply is sufficient to meet long-term and near-term demands based on:

1. The continued implementation of water conservation measures.
2. Positive impacts from State requirements for sustainable groundwater management.
3. The addition of a surface water supply source through agreements with the Oakdale Irrigation District (OID) for wholesale water supplies starting in 2030.

3 Annual Water Supply and Demand Assessment Procedures

Water Code Section 10632(a)(2)

The procedures used in conducting an annual water supply and demand assessment that include, at a minimum, both of the following:

(A) The written decision-making process that an urban water supplier will use each year to determine its water supply reliability.

(B) The key data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year, including all of the following:

(i) Current year unconstrained demand, considering weather, growth, and other influencing factors, such as policies to manage current supplies to meet demand objectives in future years, as applicable.

(ii) Current year available supply, considering hydrological and regulatory conditions in the current year and one dry year. The annual supply and demand assessment may consider more than one dry year solely at the discretion of the urban water supplier.

(iii) Existing infrastructure capabilities and plausible constraints.

(iv) A defined set of locally applicable evaluation criteria that are consistently relied upon for each annual water supply and demand assessment.

(v) A description and quantification of each source of water supply.

Water Code Section 10632.1

An urban water supplier shall conduct an annual water supply and demand assessment pursuant to subdivision (a) of Section 10632 and, on or before July 1 of each year, submit an annual water shortage assessment report to the department with information for anticipated shortage, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the supplier's water shortage contingency plan. An urban water supplier that relies on imported water from the State Water Project or the Bureau of Reclamation shall submit its annual water supply and demand assessment within 14 days of receiving its final allocations, or by July 1 of each year, whichever is later.

Beginning in 2022, CWC Section 10632.1 requires the City to conduct an Annual Assessment on or before July 1 of each year and submit an AWSAR by July 1 of every year. The purpose of the Annual Assessment and AWSAR is to forecast near-term water supply conditions (for the current year) and ensure appropriate shortage response actions are triggered in a timely manner. This section of the WSCP details the procedures used to prepare the Annual Assessment. The intent of the procedures is to provide a description of annual timing and steps to complete the document. The Annual Assessment will be a part of the AWSAR.

The Annual Assessment will include the following processes and/or information:

1. Data and Methodologies
2. Evaluation Criteria
3. Description of Water System
4. Unconstrained Customer Demand
5. Infrastructure Considerations
6. Other Factors
7. Water Supply and Demand Evaluation

The information to be provided in each of the sections is described in this chapter. Based on the Annual Assessment, the AWSAR will include recommendations for triggered shortage response actions, consistent with the WSCP.

3.1 Decision-Making Process

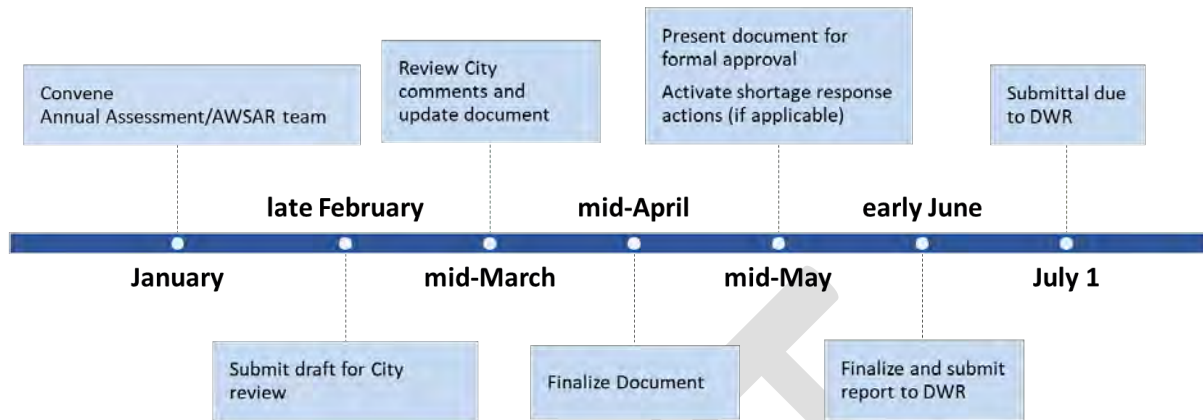
The City Department of Public Works (PW) will be responsible for preparing, obtaining formal approval, and submitting the AWSAR to the DWR. Potential key responsibilities for preparation of the Annual Assessment and AWSAR are listed in **Table 3-1**. Early in the process, the key team members will be selected and assigned responsibilities to ensure accurate and timely completion of the documents. Each AWSAR should include a summary of the key members involved and their roles and responsibilities.

Table 3-1 Annual Assessment Potential Key Responsibilities

#	Activity
1	Convene Annual Assessment and AWSAR team
2	Information collection and review (see Section 3.2, Key Data Inputs and Methodologies)
3	Prepare draft AWSAR
4	Finalize AWSAR
5	Submit AWSAR to DWR

An example timeline for the decision-making process is provided in **Figure 3-1**. Actual dates for each activity may vary, however the Annual Assessment is required to be formally approved and submitted to DWR by July 1 each year, starting in 2022.

Figure 3-1 Example Annual Assessment and AWSAR Timeline



3.2 Key Data Inputs and Methodologies

The following sections describe the key data inputs and methodologies which may be used to evaluate the water system reliability for the current year, while considering that the year to follow will be a dry year. To be consistent with the 2020 UWMP, the current year is defined as the calendar year (January 1 – December 31) for the year in which the document is prepared and the year to follow is defined as the subsequent calendar year. For example, the 2022 AWSAR would evaluate the water system reliability for January 1 – December 31, 2022, with consideration that January 1 – December 31, 2023 is a dry year.

Key data inputs may include, but are not required to include, the following:

- Summary of active water supply sources and their capacities.
- Monthly water production data for the previous calendar year.
- Available weather data for the previous calendar year and current year.
- Population data for the previous calendar year and current year.
- Growth projections in terms of land use and/or population for the current year.
- Recently completed documents and studies related to the water system and water supply sources.
- Recent regulatory documents.
- Water quality data for the previous calendar year.
- Water system improvements completed in the previous calendar year and planned for the next two years.
- Information on issues encountered in water system for the previous calendar year. Issues may include exceeding contaminant limits, breaks in pipeline, and decreased well production.
- Current and projected hydrological conditions.
- Other data which affects the water system.

Data for additional years prior to the current year may be analyzed as part of the assessment. The data will be used to develop projections for available water supply and unconstrained customer demands for the current calendar year, considering a dry subsequent year. To assess the adequacy of the available water supply, customer demands for average conditions should be calculated at a minimum. The criteria

used in the calculations should be described and be consistent with the most recently prepared City documents and regulatory requirements.

3.3 Evaluation Criteria

The Annual Assessment will compare the projected water supply and the unconstrained average customer demand. If unconstrained average customer demands are higher than the projected water supply, shortage response actions corresponding to the projected WSCP shortage level and Water Conservation Ordinance will be activated.

3.4 Water System

This section of the Annual Assessment should describe the water system, including the water supply facilities and distribution and storage facilities. Information on water quality and historical issues should be included.

3.5 Unconstrained Customer Demand

Unconstrained customer demand for the current year will be developed in this section. The methodology for the calculations should be described in detail. References for the sources and assumptions used should be provided. Unconstrained customer demands for subsequent years may be calculated and included.

Various methods could be used to calculate unconstrained customer demand. The method should be consistent with previous City documents, including the 2020 UWMP. If an alternative method is used, reasons for the change in approach shall be provided. The most common methods will either involve the use of population projections and a per capita water demand or water demand factors for various types of land uses and estimates for developed areas, by land use type.

3.6 Infrastructure Considerations

This section is to include an evaluation of how the infrastructure capabilities and constraints may affect the City's ability to deliver supplies to meet customer demands in the coming year. Anticipated capital projects that may influence capabilities, such as repairs that may constrain capabilities (e.g., planned treatment plant upgrades) or new projects that may add capacity (e.g., a new groundwater well or system intertie) should be described.

3.7 Other Factors

Other factors that can influence or disrupt the water supply, along with unique local considerations should be described in this portion of the Annual Assessment. These factors may include recent regulatory requirements, documents and studies related to the water system and water supply sources, and weather conditions.

3.8 Evaluation of Water Supply and Demands

This section of the assessment will summarize the projected available water supply for the current year based on the information provided in previous sections of the Annual Assessment. The evaluation criteria will be applied to determine if the available water supply is sufficient to meet unconstrained customer demands.

4 Six Standard Water Shortage Levels

Water Code Section 10632(a)(3)

(A) Six standard water shortage levels corresponding to progressive ranges of up to 10, 20, 30, 40, and 50 percent shortages and greater than 50 percent shortage. Urban water suppliers shall define these shortage levels based on the suppliers' water supply conditions, including percentage reductions in water supply, changes in groundwater levels, changes in surface elevation or level of subsidence, or other changes in hydrological or other local conditions indicative of the water supply available for use. Shortage levels shall also apply to catastrophic interruption of water supplies, including, but not limited to, a regional power outage, an earthquake, and other potential emergency events.

(B) An urban water supplier with an existing water shortage contingency plan that uses different water shortage levels may comply with the requirement in subparagraph (A) by developing and including a cross-reference relating its existing categories to the six standard water shortage levels.

CWC Section 10632(a)(3) requires water suppliers to define six shortage levels based on the supplier's water supply conditions, including percentage reductions in water supply, changes in groundwater levels, changes in surface elevation or level of subsidence, or other changes in hydrological or other local conditions indicative of the water supply available for use. **Table 4-1 (DWR Table 8-1)** lists the six WSCP levels for the City. These six levels replaced the previous four levels of water supply restrictions listed in the 2015 UWMP to correspond with the changes to the CWC.

Table 4-1 (DWR Table 8-1) WSCP Levels

Submittal Table 8-1: Water Shortage Contingency Plan Levels		
Shortage Level	Percent Shortage Range	Shortage Response Actions (Narrative description)
1	Up to 10%	Public outreach campaign.
2	Up to 20%	Increase public outreach, further reduction in outdoor water use, double water violation fines. Water served upon request at restaurants. Timely leak repair requirements.
3	Up to 30%	Increase landscape irrigation limits.
4	Up to 40%	Aggressive water conservation on all public facilities, construction water from non-potable sources only, no private washing of cars or boats, no street cleaning, Triple water violation fines. Increase landscape irrigation limits.
5	Up to 50%	In addition to Shortage Level 4, enact conservation measures necessary to achieve reductions. Increase landscape irrigation limits.
6	>50%	Commercial lodging establishments and decorative water feature limitations. Initial filling of a new swimming pool is allowed with a permit. Prohibit all landscape irrigation.

NOTES:

5 Shortage Response Actions

Water Code Section 10632 (a)(4)

Shortage response actions that align with the defined shortage levels and include, at a minimum, all of the following:

(A) Locally appropriate supply augmentation actions.

(B) Locally appropriate demand reduction actions to adequately respond to shortages.

(C) Locally appropriate operational changes.

(D) Additional, mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions and appropriate to the local conditions.

(E) For each action, an estimate of the extent to which the gap between supplies and demand will be reduced by implementation of the action.

CWC Section 10632(a)(4) requires shortage response actions that align with the shortage levels defined in **Table 4-1 (DWR Table 8-1)** and include locally appropriate supply augmentation actions, demand reduction actions, operational changes, and additional mandatory prohibitions against specific water use practices. An estimate of the extent to which the gap between supplies and demand will be reduced by implementation of the actions must be provided.

Per the City's 2015 UWMP, the City has adopted a Drought Contingency Plan (2015 DCP) in the event an extended drought has an adverse impact on the local groundwater table, or during a catastrophic supply interruption. The 2015 DCP consists of four (4) stages, progressively requiring greater reductions in water use. The water conservation measures listed in the 2015 DCP did not meet the 20% reduction requirement of the Water Conservation Act of 2009 (Senate Bill (SB) X7-7). Additional measures to reduce outdoor irrigation were added to the City's Water Conservation Program. The regulations associated with the City's water conservation ordinance have been updated, with the most recent update occurring in 2021 to correspond with the six WSCP shortage levels. Refer to **Appendix A** for the updated water conservation ordinance.

5.1 Supply Augmentation Actions

The City's supply augmentation actions are focused on long-term strategies for increasing reliability by utilizing and procuring other sources of water. **Table 5-1 (DWR Table 8-3)** lists these long-term strategies. Because these are long-term strategies which have yet to be implemented, they are considered to have no effect on reducing a short-term shortage gap. Short-term shortage gaps will primarily be satisfied by demand reduction actions described in the next section.

Table 5-1 (DWR Table 8-3) Supply Augmentation and Other Actions

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
1-6	Transfers	0%	The City's Water Master Plan recommends implementation of surface water project. Timing of project will be re-evaluated as part of the update of the Water Master Plan being conducted within the next year.
1-6	Other Actions (describe)	0%	The City's Water Master Plan recommends the construction of an additional well.
NOTES:			

5.2 Demand Reduction Actions

Increasing demand reduction actions will be enforced with increasing WSCP levels. **Table 5-2 (DWR Table 8-2)** summarizes demand reduction actions and the WSCP shortage level at which the action will be mandated. The demand reduction actions column was limited to a drop-down list provided by DWR. Additional explanation or reference information is listed to provide details specific to the City. Some demand reduction actions listed in the table correspond to operational changes which are described in Section 5.3.

Table 5-2 (DWR Table 8-2) Demand Reduction Actions

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions Drop down list <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? For Retail Suppliers Only Drop Down List
<i>Add additional rows as needed</i>				
1	Expand Public Information Campaign	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Initiate public outreach campaign to encourage water conservation.	No
1	Landscape - Limit landscape irrigation to specific times	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No Lawn/garden watering, or other outdoor use will be allowed between the hours of 12 noon to 7:00 pm every day.	Yes
1	Landscape - Limit landscape irrigation to specific days	23 gpcd	Three day watering schedule.	Yes
2	CII - Restaurants may only serve water upon request	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Service of water by any restaurant expect upon request of a patron.	Yes
2	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Limit washing of cars and boats to one day per week.	Yes
2	Provide Rebates on Plumbing Fixtures and Devices	7 gpcd	Rebate programs for WaterSense toilets, High-Efficiency washing machines, smart irrigation controllers, energy efficient dishwasher	No

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions Drop down list <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? For Retail Suppliers Only Drop Down List
2	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	3-6 gpcd	Indoor leaks will be repaired within 7 days of notification by the City.	Yes
3	Landscape - Limit landscape irrigation to specific days	23 gpcd	Two day watering schedule.	Yes
4	Other - Prohibit use of potable water for construction and dust control	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Construction water for soil compaction, backfill or dust control shall be from a non-potable source.	Yes
4	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No private washing of cars or boats.	Yes
4	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No water for street cleaning.	Yes
4	Other	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Enact conservation measures as needed to achieve reductions as mandated.	Yes
5	Landscape - Limit landscape irrigation to specific days	23 gpcd	One day watering schedule.	Yes
6	Landscape - Prohibit all landscape irrigation	23 gpcd		Yes

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions Drop down list <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? For Retail Suppliers Only Drop Down List
6	Water Features - Restrict water use for decorative water features, such as fountains	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	No use of water to clean, fill or maintain levels in decorative fountains.	Yes
6	CII - Lodging establishment must offer opt out of linen service	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Offers guests in hotels, motels, and other commercial lodging establishments the option of not laundering towels and linens daily.	Yes
6	Other water feature or swimming pool restriction	Supports other demand reduction actions. Less than 2 gpcd (1% of baseline water demand)	Initial filling of swimming pools or otherwise of the full capacity of a pool over 2,500 gallons is prohibited. Emptying and refilling all pools is prohibited.	Yes
NOTES: There shall be assessed to the water service customer's account a penalty fee in the sum of \$50 for a first violation within one year after being served with the Notice of Ordinance Violation. A second violation within said one year period shall result in a penalty fee of \$75; and upon a third such violation within the one-year period a penalty fee of \$100 shall be assessed. Any additional violations within the one-year period shall be assessed at \$200 each.				

Water use reduction associated with reducing landscape irrigation by one day was estimated by comparing the average water use for the three lowest months of each year with the annual average water use for the year on a per capita basis for 2016 – 2020, and assuming that outdoor water use was occurring four days per week. The overall difference between outdoor water use and baseline water use was divided by four to estimate outdoor water use per day. **Tables 5-3** and **5-4** summarize the calculations for estimating the impacts from the demand reduction actions.

Table 5-3 Historical Water Production Data

Month	# of days	Water Production (MG)				
		2016 ^a	2017	2018 ^a	2019	2020
January	31	52	55	0	65	62
February	28	50	48	0	58	77
March	31	60	66	67	66	92
April	30	89	82	0	94	100
May	31	117	163	176	126	183
June	30	175	146	0	155	203
July	31	202	179	237	181	229
August	31	188	219	168	183	223
September	30	160	187	194	162	184
October	31	0	158	0	152	160
November	30	0	93	93	114	107
December	31	0	79	73	70	79
Total		1,093	1,476	1,009	1,428	1,700
Service Area Population ^b		22,118	22,517	22,776	23,033	23,109
Average water use, gpcd		-	180	-	170	202
Average water use, gpcd		184				
Baseline water use (lowest 3 months), MG		102	170	67	190	218
Baseline ^c , gpcd		-	84	-	91	105
Baseline water use, gpcd		93				
Estimated outdoor water use, gpcd		-	96	-	78	97
Average outdoor water use, gpcd		90				
^a Water production data was not available for some months during these years. Therefore, these years were not included in the average, baseline, and outdoor water use calculations. ^b Service area population is defined as the population served by the distribution system. 2016-2020 City of Oakdale population data is from the California Department of Finance, Table E-5. ^c Baseline, gpcd is the Baseline water use (lowest 3 months) divided by the Service Area Population.						

Table 5-4 Shortage Gap Estimates

#	Description	Value
(1)	Average outdoor water use (4-day watering schedule), gpcd	90
(2)	Reduction in Shortage Gap by one day reduction in watering schedule	23
Notes: (1) Average outdoor water use (4 day watering schedule) = Average outdoor water use from Table 5-3. (2) Reduction in Shortage Gap by one day reduction in watering schedule = (1) ÷ 4.		

5.3 Operational Changes

The demand reduction options listed in **Tables 5-1 and 5-2 (DWR Tables 8-3 and 8-2, respectively)** include several operational changes. The operational changes are:

- Expand public information campaign
- Offer water use surveys
- Reduce system water loss

5.4 Additional Mandatory Prohibitions

Article VI, Water Conservation Program, § 35-48 of the City’s Municipal Code (MC) includes the following mandatory prohibitions for all users:

- No lawn/garden watering, or other outdoor use will be allowed between the hours of 12 noon to 7:00 pm every day.
- Dwelling or establishments with odd numbered street addresses shall use outdoor water only on Mondays, Wednesdays, Fridays, and Sundays.
- Dwelling or establishments with even numbered street addresses shall use outdoor water only on Tuesdays, Thursdays, Saturdays, and Sundays.
- No watering lawns or gardens such that excess water leaves the property or area being watered.
- No watering outdoor landscaping while raining.
- No washing vehicles, equipment or boats, during restricted days or hours and/or using hoses without automatic shut-offs.
- No hosing down of concrete or asphalt curbs, gutters, sidewalks, driveways or slabs.
- Having leaky faucets or plumbing fixtures on the premises is prohibited.

6 Seismic Risk Assessment and Mitigation Plan

Water Code Section 10632.5

(a) In addition to the requirements of paragraph (3) of subdivision (a) of Section 10632, beginning January 1, 2020, the plan shall include a seismic risk assessment and mitigation plan to assess the vulnerability of each of the various facilities of a water system and mitigate those vulnerabilities.

(b) An urban water supplier shall update the seismic risk assessment and mitigation plan when updating its urban water management plan as required by Section 10621.

(c) An urban water supplier may comply with this section by submitting, pursuant to Section 10644, a copy of the most recent adopted local hazard mitigation plan or multihazard mitigation plan under the federal Disaster Mitigation Act of 2000 (Public Law 106-390) if the local hazard mitigation plan or multihazard mitigation plan addresses seismic risk.

A copy of the Stanislaus County Local Hazard Mitigation Plan (LHMP) is included in **Appendix B**. The plan addresses seismic risk and satisfies the requirement of CWC Section 10632.5(a).

7 Communication Protocols

Water Code Section 10632 (a)(5)

Communication protocols and procedures to inform customers, the public, interested parties, and local, regional, and state governments, regarding, at a minimum, all of the following:

(A) Any current or predicted shortages as determined by the annual water supply and demand assessment described pursuant to Section 10632.1.

(B) Any shortage response actions triggered or anticipated to be triggered by the annual water supply and demand assessment described pursuant to Section 10632.1.

(C) Any other relevant communications

In accordance with CWC 10632(a)(5), the City shall initiate communication procedures to inform customers, the public, interested parties, and local, regional, and state governments when the AWSAR predicts a current or predicted shortage and the shortage response actions that will be triggered or anticipated to be triggered.

According to the 2015 DCP, the City has implemented a “Water Insight” program, whereby residents can view their water use habits, compare their water use with their neighbors, and track how well their water conserving activities are working. This is a highly valuable tool that provides residents with the tools to understand how their efforts help conserve water and puts them in control of their water bills.

8 Compliance and Enforcement

Water Code Section 10632 (a)(6)

For an urban retail water supplier, customer compliance, enforcement, appeal, and exemption procedures for triggered shortage response actions as determined pursuant to Section 10632.2.

Customer compliance with the triggered shortage response actions will be enforced through a warning notice and penalties, as described in Article VI, Water Conservation Program, § 35-49 of the City’s MC. This section of the MC also includes details for an appeal process.

9 Legal Authorities

Water Code Section 10632 (a)(7)

(A) A description of the legal authorities that empower the urban water supplier to implement and enforce its shortage response actions specified in paragraph (4) that may include, but are not limited to, statutory authorities, ordinances, resolutions, and contract provisions.

(B) A statement that an urban water supplier shall declare a water shortage emergency in accordance with Chapter 3 (commencing with Section 350) of Division 1. [see below]

(C) A statement that an urban water supplier shall coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency, as defined in Section 8558 of the Government Code.

Water Code Section Division 1, Section 350

Declaration of water shortage emergency condition. The governing body of a distributor of a public water supply, whether publicly or privately owned and including a mutual water company, shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.

Article VI, Water Conservation Program, § 35-49 of the City's MC gives the City the authority to implement and enforce its shortage response actions. When the conditions deem it necessary, the City shall declare a water shortage emergency in accordance with Water Code Chapter 3 (commencing with Section 350) of Division 1 general provision regarding water shortage emergencies. Because the City is also the water supplier, City staff can coordinate the possible proclamation of a local emergency under California Government Code, California Emergency Services Act (Article 2, Section 8558).

10 Financial Consequences of WSCP

Water Code Section 10632(a)(8)

A description of the financial consequences of, and responses for, drought conditions, including, but not limited to, all of the following:

(A) A description of potential revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).

(B) A description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).

(C) A description of the cost of compliance with Chapter 3.3 (commencing with Section 365) of Division 1.

Revenues for the cost of operating the City water system are collected from customer water rates. A Water and Wastewater Rate Study (Rate Study) was prepared for the City on January 2017 [1]. The current water rates consist of fixed and variable charges to residential and non-residential customers. All customers are charged a monthly fixed charge by meter size and a variable charge based on consumption. When shortage response actions are activated, revenues will be reduced due to reduced consumption. However, the costs for operating the water system will not correspondingly decrease. There may also be additional costs associated with implementing the shortage response actions and enforcing compliance.

The City annually adopts a budget and mid-year budget for each fiscal year for the water fund. The budgets summarize the projected revenues and expenses for the City’s water production and distribution system for the upcoming fiscal year. The projections are updated in the mid-year budget. To mitigate reductions in revenue and increases in expenses associated with reduced consumption, the City may decide to use financial reserves, defer capital replacement projects or operations and maintenance activities, and/or re-evaluate the water rates.

11 Monitoring and Reporting

Water Code Section 10632(a)(9)

For an urban retail water supplier, monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance and to meet state reporting requirements.

The City’s water system has water meters on all production sources and customers. The City will use the production meters and customer usage meters to monitor customer compliance and meet state reporting requirements. Most of the City’s current water treatment and distribution systems are equipped with a Supervisory Control and Data Acquisition (SCADA) which allows for monitoring and effective management of the water system. Using several different monitoring techniques, including pressures, hydraulics, electrical, etc., the SCADA analyzes the system on a continuous basis and both reports result to a centralized location and respond to given logic-based protocols, programmed by the SCADA operators. These systems are an essential component of current day treatment and distribution.

12 Refining

Water Code Section 10632 (a)(10)

Reevaluation and improvement procedures for systematically monitoring and evaluating the functionality of the water shortage contingency plan in order to ensure shortage risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented as needed.

The Annual Assessment, including monitoring and reporting procedures, will provide data to determine if the water shortage mitigation strategies are adequate for reducing water demands. If the data indicates that the strategies are not adequate or can be reduced, the WSCP should be amended and be formally approved as described in Section 12.2.

12.1 Special Water Feature Distinction

Water Code Section 10632 (b)

For purposes of developing the water shortage contingency plan pursuant to subdivision (a), an urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.

The WSCP considers water features that are not pools or spas differently from pools and spas. Non-pool or non-spa water features, also referred to as “decorative water features” may use or be able to use recycled water, whereas pools and spas must use potable water for health and safety considerations.

12.2 Plan Adoption, Submittal and Availability

12.2.1 Notice to the Public

Water Code Section 10642

...Prior to adopting either [the plan or water shortage contingency plan], the urban water supplier shall make both of the plan and the water shortage contingency plan available for public inspection and shall hold a public hearing or hearings thereon. Prior to any of these hearings, notice of the time and place of the hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code [see below]. The urban water supplier shall provide notice of the time and place of a hearing to any city or county within which the supplier provides water supplies.

Government Code section 6066

Publication of notice pursuant to this section shall be once a week for two successive weeks. Two publications in a newspaper published once a week or oftener, with at least five days intervening between the respective publication dates not counting such publication dates, are sufficient. The period of notice commences upon the first day of publication and terminates at the end of the fourteenth day, including therein the first day.

The City is committed to encouraging the active involvement of diverse social, cultural, and economic elements of its citizenry. **On XXXX, 2021 and XXXX 2021, the City placed a notice in the local newspaper stating that its WSCP has been prepared and that a public hearing would be conducted to take testimony from members of the community.** A copy of this notification is included in **Appendix C**. The Draft 2020 WSCP was made available for public inspection at the City Public Works Department, located at 455 S 5th Avenue. In addition, the City also posted a copy of the public review Draft WSCP on its website (www.oakdalegov.com). The notice of public hearing to the public is included in **Appendix C**.

12.2.2 Public Hearing and Adoption

Water Code Section 10642

...Prior to adopting either, the [plan or water shortage contingency plan], the urban water supplier shall make both the plan and the water shortage contingency plan available for public inspection and shall hold a public hearing or hearings thereon.

Water Code Section 10608.26

(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

- (1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.*
- (2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.*
- (3) Adopt a method, pursuant to subdivision (b) of Section 10608.20 for determining its urban water use target.*

The City has encouraged community and public interest involvement in the WSCP using mailings, public meetings, and web-based communication.

12.2.3 Public Hearing

A public hearing was held on XXXXXX, 2021 at the City Council Chamber. The hearing provided an opportunity for the City's customers, residents, and employees to learn and ask questions about the current and future water supply of the City.

12.2.4 Adoption

Water Code Section 10642

...After the hearing or hearings, the plan or water shortage contingency plan shall be adopted as prepared or as modified after the hearing.

This WSCP was adopted by the City Council on XXXXX, 2021. City Resolution is included in **Appendix D**.

12.2.5 Plan Submittal

A copy of the WSCP will be submitted to DWR upon adoption by the City Council. The adopted WSCP will be submitted electronically to DWR using the WUEdata Portal submittal tool.

12.2.6 Submitting WSCP to Cities and Counties

The 2020 UWMP which includes the WSCP will be submitted in electronic format to Stanislaus County within 30 days of adoption.

12.2.7 Public Availability

Water Code Section 10632 (a)(c)

The urban water supplier shall make available the water shortage contingency plan prepared pursuant to this article to its customers and any city or county within which it provides water supplies no later than 30 days after adoption of the water shortage contingency plan.

Water Code Section 10645

(a) Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

(b) Not later than 30 days after filing a copy of its water shortage contingency plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

Within 30 days of submitting the WSCP to DWR, the adopted WSCP will be available for public review during normal business hours at the City Public Works Department. The City will also post a copy of the adopted WSCP on its website.

12.2.8 Notification to Public Utilities Commission

The City is not regulated by the California Public Utilities Commission.

12.2.9 Amending an Adopted Water Shortage Contingency Plan

Water Code Section 10644 (b)

If an urban water supplier revises its water shortage contingency plan, the supplier shall submit to the department a copy of its water shortage contingency plan prepared...no later than 30 days after adoption, in accordance with protocols for submission and using electronic reporting tools developed by the department.

If the City revises the WSCP, copies of amendments or changes to the plans will be submitted electronically to the DWR through the WUEdata Portal within 30 days of its adoption.

13 References

- [1] City of Oakdale Water and Wastewater Rate Study, Tuckfield & Associates, January 2017.
- [2] Oakdale 2030 General Plan, Environmental Science Association (ESA), Adopted August 8, 2013.

Appendix A

Water Conservation Ordinance

DRAFT

Article VI

Water Conservation Program

§ 35-47. Purpose. [Ord. No. 982.]

The purpose of this article is to provide a comprehensive water conservation program through limitations on water usage and through public education. Landscaping systems shall be properly designed, installed, maintained, and operated to prevent the wasting of water. The use of drought tolerant landscaping shall be encouraged. Serving water in restaurants only upon customer request shall be encouraged.

§ 35-48. Rules and Regulations. [Ord. No. 982.]

These provisions shall apply to all persons using water in the City regardless of whether any person using water shall have a contract for water service with the City. In addition to all other provisions and requirements of this chapter, the City may from time to time by resolution, establish additional rules and regulations concerning the operation of the municipal water system, the use of water, and water conservation.

§ 35-4~~9~~8. Water waste not permitted. [Ord. No. 982.]

Water service customers shall not be permitted to waste water.

(a) Acts constituting water waste shall include, but shall not be limited to, any of the following acts:

- (1) Failure to comply with the following schedule when watering lawns, plants, or garden, or using outdoor water for other purposes:
 - a. No lawn/garden watering, or other outdoor use will be allowed between the hours of ten a.m. to seven p.m. every day.
 - b. Dwellings or establishments with odd numbered street addresses shall use outdoor water only on Mondays, Wednesdays, Fridays and Sundays.
 - c. Dwellings or establishments with even numbered street addresses shall use outdoor water only on Tuesdays, Thursdays, Saturdays and Sundays.
- (2) Watering lawns or gardens such that excess water leaves the property or area being watered;
- (3) Watering outdoor landscaping while raining;
- (4) Washing vehicles, equipment or boats, during restricted days or hours; and/or using hoses without automatic shut-offs;
- (5) Hosing down of concrete or asphalt curbs, gutters, sidewalks, driveways or slabs;
- (6) Having leaky faucets or plumbing fixtures on the premises.
- (7) Serve and refill water in restaurants and other food service establishments only upon request.
- (8) Offer guests in hotels, motels, and other commercial lodging establishments the option of not laundering towels and linens daily.

§ 35-5049. Administration of program—Penalties. [Ord. No. 982.]

- (a) Should the department of public works determine that any water service customer, or person using the water services with the consent of the customer, has committed acts which constitute the wasting of water as provided herein, the water service customer shall be served, either personally, by mail, or by posting at the residence or business premises of the customer, with a Notice of Ordinance Violation stating the acts or conduct which constitute the wasting of water, and notifying the customer of the penalty fees assessed for further violations.
- (b) Should a water service customer, or person using the water services with the consent of the customer, violate the provisions of this article regarding water wasting, after being served with two Notices of Ordinance Violation, then such water service customer shall be served with a Notice of Intention to Impose a Fee for Water Wasting. Said notice shall:
 - (1) Identify the date, time and circumstances of the violation.
 - (2) State the amount of the fee to be imposed.
 - (3) Advise the customer of his appeal rights as provided herein.
- (c) The Notice of Intention to Impose a Fee for Water Wasting shall be served in the same manner as the Notice of Ordinance Violation as provided herein.
- (d) There shall be assessed to the water service customer's account a penalty fee in the sum of fifty dollars for a first violation within one year after being served with the Notice of Ordinance Violation. A second violation within said one year period shall result in a penalty fee of seventy-five dollars; and upon a third such violation within the one-year period a penalty fee of one hundred dollars shall be assessed. Any additional violations within the one-year period shall be assessed at two hundred dollars each.
- (e) A water service customer shall have the right to appeal either the Notice of Ordinance Violation or the imposition of any penalty fee assessed to his account for water wasting. The appeal hearing shall be held before the director of public works or his designee, who shall make the final administrative determination regarding the matter. The customer shall be allowed to present such witnesses and evidence as he may desire and may be represented by an attorney or other representative of his choosing. The city may be represented by the city attorney or his designee.
- (f) The water service customer must request an appeal hearing in writing within fifteen days from the date of service by the Notice of Ordinance Violation; or in the case of the imposition of a penalty fee, within fifteen days of the service of the Notice of Intention to Impose a Fee for Water Wasting. The request for hearing shall be addressed to the director of public works and shall be deemed served only when received by the city. Failure to properly serve the request for hearing within the fifteen-day period shall be deemed a waiver of the right to appeal the matter and the penalty fee will be assessed against the customer's account.
- (g) The hearing officer shall give written notice by mail to the water service customer of the date and time of the appeal hearing, which hearing shall be held not sooner than ten days from receipt of the request for hearing and not longer than thirty days. The decision of the hearing officer shall be final. If the violation is upheld, the penalty fee shall be assessed to the customer's account.
- (h) Any water service customer without a water meter who has been assessed three or more penalty fees within a one-year period may be required to install a water meter upon the premises and the customer shall be required to pay the reasonable cost of the water meter and its installation.
- (i) Failure of any water service customer to pay the penalty fees imposed as provided herein or to pay for the cost of a water meter and its installation as required shall be grounds to discontinue water service until compliance is obtained.

- (j) The city council does hereby designate the water supervisor, any maintenance worker assigned to the water division of the Oakdale Public Works Department, and any water conservation officers appointed by the director of public works as the persons authorized to investigate violations and to serve any notices required by the provisions of this Article VI.

Appendix B

Stanislaus County Local Hazard Mitigation Plan

DRAFT

Stanislaus County, California



Local Hazard Mitigation Plan

Updated 2017



BOARD OF SUPERVISORS

Vito Chiesa, Chairman

Kristin Olsen

Terry Withrow

Dick Monteith

Jim DeMartini

Submitted by
Chief Executive Officer
Stan Risen

Stanislaus County
Office of Emergency Services
Local Hazard Mitigation Plan
July 2017

For more information please contact:

Dale Skiles

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SECTION ONE

Introduction

SECTION ONE - INTRODUCTION

PURPOSE

In the State of California and around the world, natural disasters occur frequently. The time and money needed to recover from these events can strain or deplete local resources. The purpose of hazard mitigation planning is to identify policies, actions, and strategies that will help to reduce risk and prevent future losses. Hazard mitigation is best realized when community leaders, businesses, citizens, and other stakeholders join together to undertake a process of learning about hazards that can affect their area and use this knowledge to prioritize needs and develop a strategy for reducing damage. Hazard mitigation is most effective when it is based on a comprehensive long-term plan that is developed prior to a disaster occurring.

HAZARD MITIGATION PLANNING

The Federal Emergency Management Agency (FEMA) has determined that there is a critical link between Hazard Mitigation Planning and sustainability. This means if Stanislaus County has the foresight to plan ahead to reduce the impacts of hazards, we will be better able to prevent injury, loss of life and damage to our homes, businesses, and neighborhoods. The County can use the threat of disaster as a catalyst to act and develop a plan so we can recover more quickly following a disaster.

Stanislaus County has committed itself to reducing long-term risk to our citizens and damage to property from the effects of natural hazards. By planning, preparing, and adopting a Hazard Mitigation Plan, the County is taking a proactive approach to reduce or eliminate the impacts of hazards before they occur.

FEMA defines Hazard Mitigation as any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards. The County's plan will serve as a tool for learning from disasters that have already occurred, so we can deal with them more effectively and efficiently with less expenditure than in the past.

Direct benefits include:

- Reduced loss of life;
- Reduced loss of property and essential services;
- Reduced economic hardship;
- Reduced reconstruction costs;
- Increased cooperation and communication within the community through the planning process; and
- Expedited post-disaster funding.

Indirect benefits include:

- Disaster resilience;
- Environmental quality;
- Economic vitality; and
- Improved quality of life.

PLANNING REQUIREMENTS

Section 322, Mitigation Planning, of the Robert T. Stafford Disaster Relief and Emergency Assistance Act ("the Stafford Act"), enacted by Section 104 of the Disaster Mitigation Act of 2000 ("DMA 2000"), provides revitalized approaches to mitigation planning. Section 322 continues the requirement for a State mitigation plan as a condition of disaster assistance, and establishes a new requirement for local mitigation plans. In order to apply for Federal aid for technical assistance and post-disaster funding, local jurisdictions must comply with DMA 2000 and its implementing regulations (44 CFR Part 201.6).

Under the 2008 44 CFR update, requirements have changed governing mitigation planning provisions for local mitigation plans published under 44 CFR §201.6. Local mitigation plans now qualify communities for the Federal mitigation grant programs including:

DISASTER FUNDED GRANTS:

- Hazard Mitigation Grant Program (HMGP)
- Hazard Mitigation Assistance Grants:
- Pre-Disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)
- Severe Repetitive Loss (SRL)
- Repetitive Flood Claim (RFC)

PLAN UPDATE

The Stanislaus County Local Hazard Mitigation Plan identifies risks posed by disasters, and identifies ways to minimize damage from those disasters. The plan is a comprehensive resource document that serves many purposes, including: enhancing public awareness and understanding, creating a decision tool for management, promoting compliance with State and Federal program requirements, enhancing local policies for hazard mitigation capability, and providing inter-jurisdictional coordination.

The Stanislaus County plan, initially approved by FEMA on January 12, 2006, and updated and approved by FEMA on July 20, 2011, must be updated every five years. This Plan Update will demonstrate the County's commitment to reducing risk and will serve as a guide for decision makers as they commit resources to minimize the effects of natural hazards. By proactively mitigating the possible effects of a disaster and/or emergency, the County continues to work toward the goal of reducing risk to human life and property and ensuring the priorities of a safe and healthy community.

Federal emergency management agencies only provide disaster relief funds to local governments that have shown positive steps to prevent loss and damage from disasters by adopting a Hazard Mitigation Plan. Planning now, ensures that the County will be covered later, in the event that disaster strikes.

Each section of the County's Local Hazard Mitigation Plan was reviewed and revised as appropriate to reflect changes in development, updated property values, and progress in local mitigation efforts. It will be resubmitted for approval to the California Governor's Office of Emergency Services (Cal OES) and FEMA. If FEMA determines the plan is "approvable pending adoption," the County will then proceed with the adoption process by the Board of Supervisors as required in the prerequisites. Adoption legitimizes the plan and authorizes responsible agencies to execute their responsibilities. The plan, upon adoption, shall include documentation of adoption in the form of a Board Resolution and Board Agenda item and minutes.

PLAN COMPONENTS

The basic elements involved in our Hazard Mitigation Plan include:

Prerequisite - This section addresses the formal adoption of the plan by each governing body to demonstrate the commitment of the community and elected officials to the County's goal of becoming disaster-resistant.

Community Profile - This section provides the history and background of the County, including population trends and the demographic and economic conditions that have shaped the area.

Planning Process - This section identifies the planning process, the Planning Team members, the meetings held as part of the planning process, documents the outreach efforts, and the review and incorporation of existing plans, reports, and other appropriate information.

Risk Assessment - This section describes the process through which the Planning Team and our local partners identified, screened, and selected the hazards to be profiled. The hazard analysis includes the description, location, extent, and probability of future events for each hazard.

Mitigation Plan/Strategy - The mitigation strategy section provides a plan for reducing the potential losses identified in the vulnerability analysis. Mitigation goals and potential actions to minimize the risks and losses associated with each hazard will be described along with a strategy for implementation.

SECTION ONE

Plan Maintenance - This section describes the method and schedule for monitoring, evaluating and updating the plan to ensure that the LHMP remains an active and applicable document.

SUMMARY

This plan is designed to identify specific actions to reduce loss of life and property from the following five hazards: earthquake, landslide, dam failure, flood, and wildfire. It is not intended to establish procedures to respond to disasters or replace an existing Emergency Operations Plan. The goal of hazard mitigation is to decrease the need for response as opposed to outlining a plan for responding to a disaster.

Natural disasters cannot be prevented from occurring. However, it is the intent of this LHMP to steadily lessen the impacts associated with future hazard events.

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SECTION TWO

Prerequisites

SECTION TWO - PREREQUISITES

STANISLAUS COUNTY BOARD OF SUPERVISORS



ADOPTION BY LOCAL GOVERNING BODY

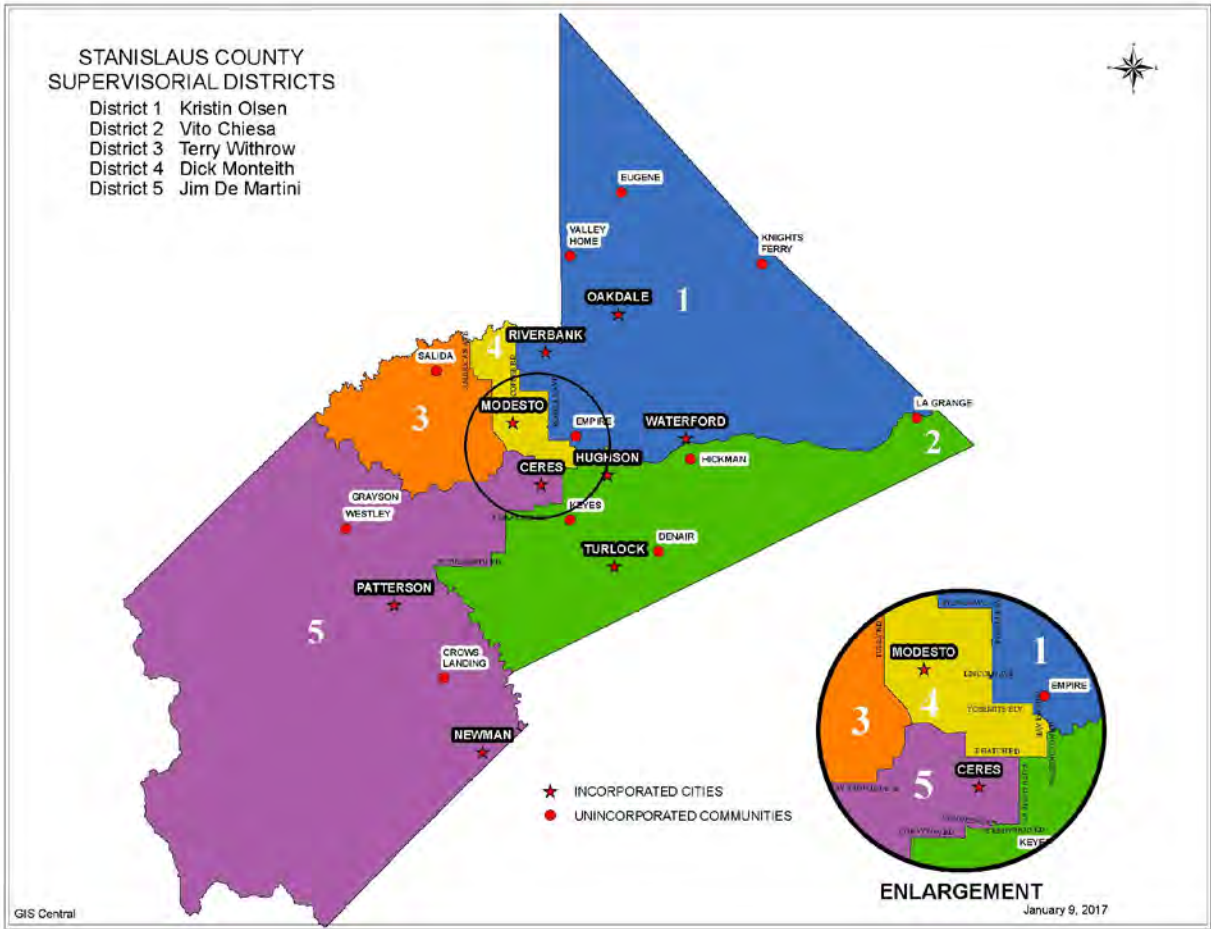
The Federal Emergency Management Agency's (FEMA) 44 Code of Regulations (CFR) Part 201.6(c) (5) requires that the Local Hazard Mitigation Plan is formally adopted by the governing body of the jurisdiction requesting approval of the plan. The Plan shall include documentation of plan adoption, usually in the form of a resolution.

"Approval Pending Adoption" is a recommended and potentially time-saving process by which the County submits the final draft of the LHMP to the California Governor's Office of Emergency Services (Cal OES), and the Federal Emergency Management Agency (FEMA) for a review *prior* to formal jurisdictional adoption. If the County's plan meets all the plan requirements, the plan will then be returned with an approvable pending adoption status. When the approval pending adoption plan is adopted by the jurisdiction, and FEMA has received the documentation of adoption, it will then be formally approved through a signed FEMA approval letter.

The County intends to follow this recommended process and, as such, will wait to receive an "Approval Pending Adoption" before taking the plan to the Board of Supervisors for adoption.

If the plan is not adopted, the County is not eligible to apply for and/or receive project grants under the following hazard mitigation assistance programs:

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)
- Severe Repetitive Loss (SRL)
- Repetitive Flood Claim (RFC)



PLAN UPDATE

The County is required to review and revise its plan, and resubmit it for approval within five (5) years in order to continue to be eligible for mitigation project grant funding. The County understands that a plan update is not an annex to the previously approved plan, but stands on its own as a complete and current plan, that has been reviewed and updated in all aspects.

PLAN EXPIRATION DATE

The County's most recent plan update was approved on July 20, 2011, and expired on July 20, 2016.

PLAN ADOPTION

Adoption of the LHMP by the Stanislaus County Board of Supervisors on _____ Resolution Number _____ demonstrates the County's commitment to fulfilling the mitigation goals and objectives as outlined in the plan. Adoption legitimizes the plan and authorizes responsible agencies to execute their responsibilities.



SECTION THREE

**Community
Profile**

SECTION THREE - COMMUNITY PROFILE

GENERAL INFORMATION

Stanislaus County is located in the heart of California's Central Valley, (see Figure -1) within 90 minutes of the San Francisco Bay Area, the Silicon Valley, Sacramento, the Sierra Nevada Mountains, including Yosemite National Park, and California's Central Coast. It is also within a five-hour drive of Los Angeles. Two of California's major north-south routes (Interstate 5 and Highway 99) intersect the area making the County one of the dominant logistics center locations on the west coast.

It is bordered on the north by San Joaquin County, the east by Mariposa, Tuolumne, and Calaveras Counties, the south by Merced County, and the west by Alameda and Santa Clara Counties. Established in 1854, Stanislaus County's total land area is 1,494 square miles. The County seat is the City of Modesto, located near the center of the County.



The mild Mediterranean climate makes Stanislaus County one of the best agricultural areas in the world, positioning it as a global center for agribusiness. The County averages approximately twelve inches of rainfall each year and experiences a full spectrum of the seasons. Temperatures range from an average low of 38 degrees Fahrenheit in the winter, to an average high of 85 degrees Fahrenheit during the spring and fall, and to average highs in the 90's during the summer months.

SECTION THREE

Temperature Averages and Average Rainfall for Stanislaus County (Source U.S. Climate Data)

Average High/Low Temperature	Average Rainfall
January 55°/40° F (13°/4.5° C)	January 2.6 inches
August 94°/62° F (34.2°/16.8°C)	August .05 inches
Annual 76°/52.2° F (24.4°/10.6° C)	Annual 13.2 inches

RIVERS

There are four major rivers in Stanislaus County. Three, the Stanislaus, Calaveras, and Tuolumne Rivers, run east to west, with the Calaveras River crossing just the tip of the northeast County border. The fourth, the San Joaquin River, runs southeast to northwest. Dry Creek also runs east to west, and then merges with the Tuolumne River in Modesto. There are no flow control systems on Dry Creek. Rainfall and runoff in the eastern portion of the County directly affect this creek. The County also has three major reservoirs; Modesto, Woodward, and Turlock.

TRANSPORTATION

According to the California Department of Transportation, in 2014 Stanislaus County had 181 miles of State Highways, 2,940 miles of public roads, and 382 bridges. There were 265,347 registered automobiles, 11,958 registered motorcycles, and 102,349 registered trucks. Bus inventory was 73. The County had 317,718 licensed drivers and 79.6% commuted by car alone.

HIGHWAYS/ROADS/BRIDGES

State Highways 99, 108/120, 33, 132, and Interstate 5 are major transportation routes through the County. Highways 99, 33 and I-5 run north – south and Highways 108/120 and 132 run east – west. These major highway/freeway routes would be highly utilized by both County residents and tourists as possible evacuation routes.

Public roadways and bridges within Stanislaus County are owned and maintained by the California Department of Transportation, Stanislaus County Public Works Department and the nine city Public Works Departments. A high potential exists for road closures due to flooding or earthquakes. Parts of the County may become isolated for a period of time when these conditions exist. While most secondary roads are paved, there are still a number of unpaved public roads within the County.

AIRPORTS

One joint County/City of Modesto operated airport is located in Stanislaus County. The Modesto City-County-Harry Sham Field Airport's runways are 5904' and 3464' respectively. The airport operates 24 hours daily, although the tower is closed at night. It is capable of multiple engine propeller aircraft or jet aircraft, as large as a 737-400. There are an additional four airports in Stanislaus County; Oakdale Municipal Airport (2400 foot east-west runway), Turlock Municipal Airport (2985 foot north-south runway), Patterson Airport (2500 foot north-south runway) and the Crows Landing Naval Air Station. Both the Patterson Airport and the Crows Landing Naval Air Station are not functional Airports. In Patterson, the runway and tarmac are leased by a private company and a landing area is used for medical helicopters.

RAILROADS

The Union Pacific (UP) and Burlington Northern Santa Fe (BNSF) Railroads are the freight lines serving Stanislaus County. Both have tracks running north – south in the County. Amtrak passenger service is provided on the BNSF track with a passenger station located in eastern Modesto. Sierra Railroad serves between Tuolumne County and the City of Oakdale in Stanislaus County. Also, the Modesto and Empire Traction Company (M&ET), a short line freight railroad, provides interconnection services between UP and BNSF Railroads, as well as serving the industrial hub of the County. M&ET operates 5 miles of yard main track and 39 miles of spurs and sidetracks.

SECTION THREE

MEDICAL FACILITIES

Stanislaus County is home to Doctors Medical Center, Emanuel Medical Center, Memorial Medical Center, Kaiser-Permanente Hospital, Oak Valley Hospital, and Stanislaus Surgical Hospital. All but the Stanislaus Surgical Hospital provide Basic Emergency Services. Only Doctor’s Medical Center and Memorial Hospital provide Level II Trauma Services.

The County also has approximately 20 licensed Nursing and Rehabilitation Care Centers that can coordinate with hospitals to alleviate surge during an incident. In addition, Stanislaus County Health Services Agencies has medical offices in Ceres, Hughson, Modesto, and Turlock, and provides a variety of medical services throughout the County.

Hospital	Number of Licensed Beds	ER Services	Trauma Services
Doctor’s Medical Center, Modesto	394	Basic Emergency	Level II
Emanuel Medical Center, Turlock	209	Basic Emergency	None
Kaiser Hospital, Modesto	140	Basic Emergency	None
Memorial Hospital, Modesto	423	Basic Emergency	Level II
Oak Valley Hospital, Oakdale	35	Basic Emergency	None
Stanislaus Surgical Hospital, Modesto	23	None	None

Source: California Office of Statewide Health Planning and Development Healthcare Atlas

ARTS, ENTERTAINMENT AND RECREATION

Stanislaus County offers a variety of arts, entertainment and recreation opportunities. The County is home to a vibrant arts community with the world class Gallo Center for the Arts, a symphony orchestra, and abundant visual and performing arts. Notable places of interest include the McHenry Mansion, McHenry Museum, the State Theater in Modesto, the Carnegie Arts Center in Turlock, and the Assyrian Cultural Center in Ceres.

For sports enthusiasts, John Thurman Field, located in the City of Modesto, is home to the Modesto Nuts, a minor league Class A baseball team that serves as a farm team of the Colorado Rockies.

Stanislaus County maintains five regional parks, twelve neighborhood parks, ten community parks, two Off-Highway Vehicle parks, five fishing access points along rivers and lakes, and one swimming pool. Day use and camping is available at Frank Raines Regional Park, and camping, boating and other recreational activities are available at the Modesto Reservoir Regional Park and Woodward Reservoir Regional Park.

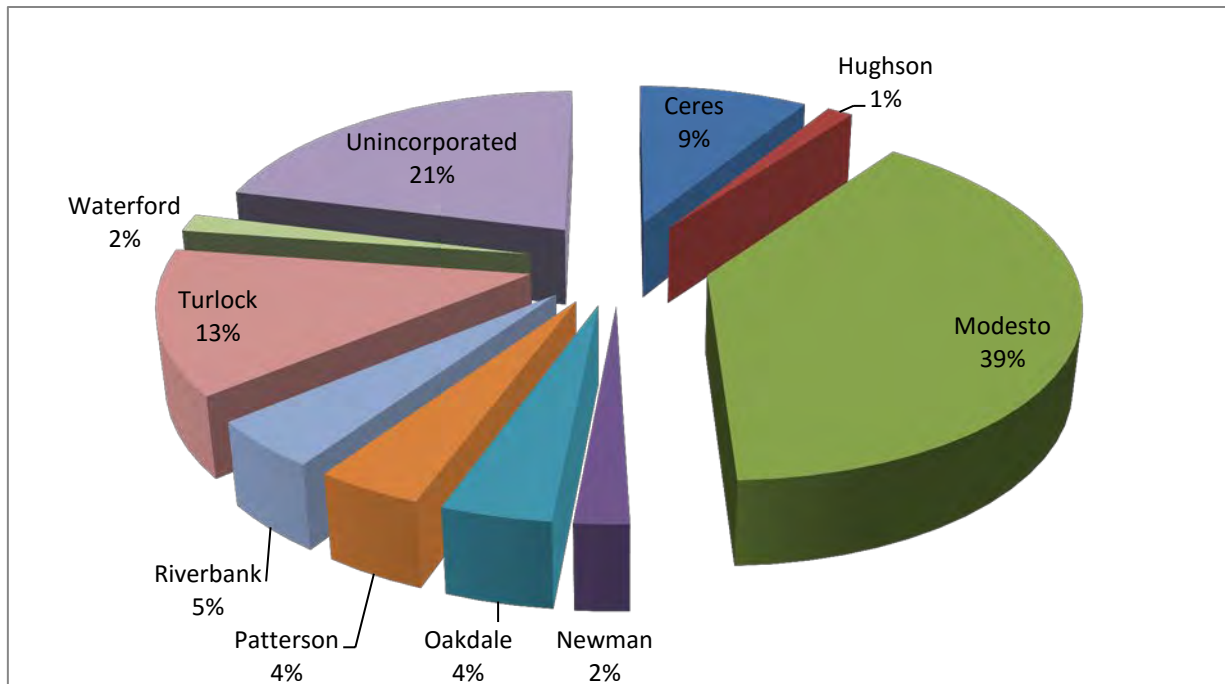
COUNTY POPULATION

Stanislaus County has nine municipalities: the Cities of Ceres, Hughson, Modesto, Newman, Oakdale, Patterson, Riverbank, Turlock, and Waterford. Additionally, there are thirteen unincorporated communities within the County and substantial areas of State and Federally controlled lands such as parks, wildlife areas and other public lands. Modesto has the largest population within the County. The

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United States Office of Management and Budget has designated Stanislaus County as the Modesto, CA Metropolitan Statistical Area. The United States Census Bureau ranked the Modesto, CA Metropolitan Statistical Area as the 103rd most populous metropolitan statistical area of the United States as of July 2012.

Stanislaus County Estimated Population 2015



Source: California Department of Finance and US Census

Estimated Population Increase 2010 – 2015

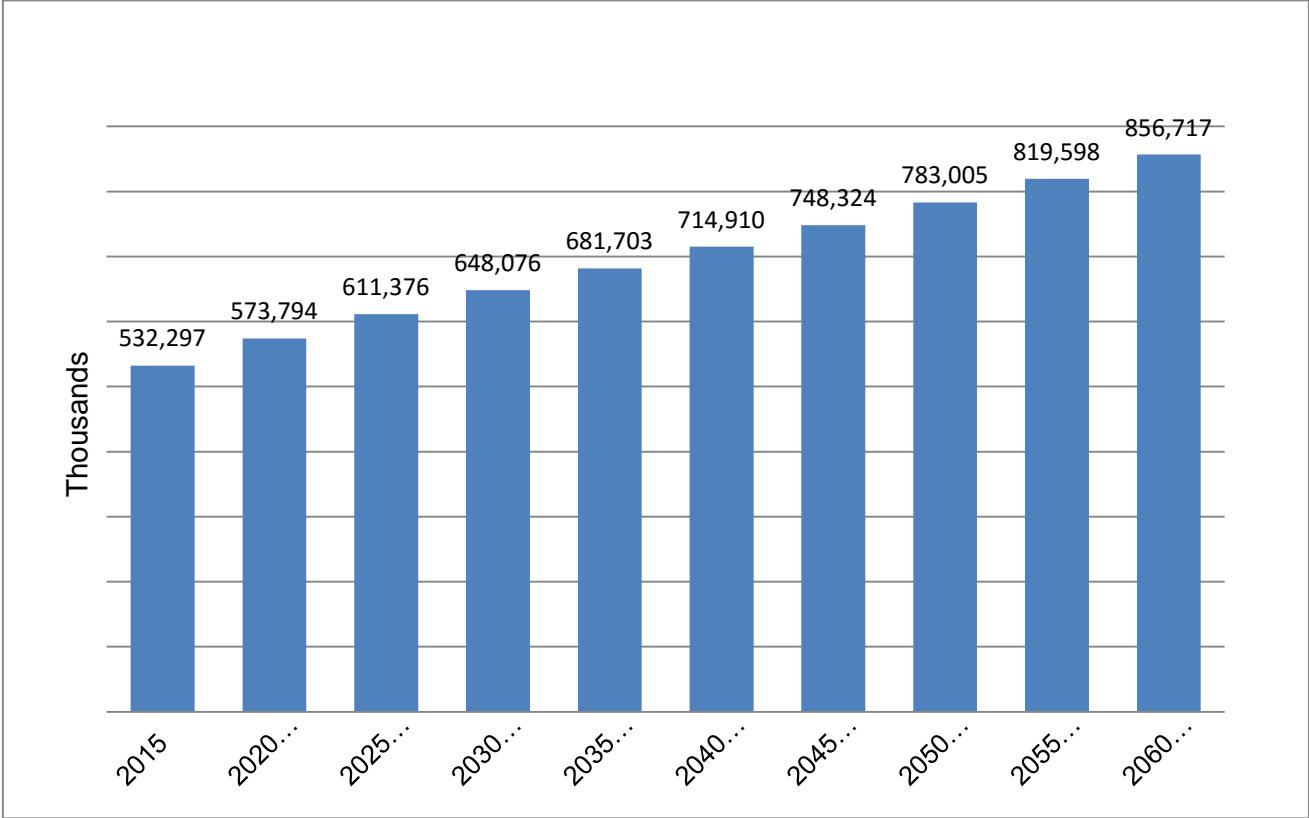
County/City	2010 Census	2015 Estimate Pop.	% Increase
Stanislaus	514,453	532,297	3.5%
Ceres	45,417	46,989	3.5%
Hughson	6,640	7,222	8.7%
Modesto	201,165	209,185	3.9%
Newman	10,224	10,753	5.1%
Oakdale	20,675	21,773	5.3%
Patterson	20,413	21,094	3.3%
Riverbank	22,678	23,485	3.5%
Turlock	68,549	71,043	3.6%
Waterford	8,456	8,686	2.7%
Unincorporated	110,236	112,066	1.6%

Source: California Department of Finance and US Census

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According to the State of California Department of Finance Demographic Research Unit, as of January 2015, the estimated total population for Stanislaus County was 532,297. The State of California Department of Finance projects the population for Stanislaus County in 2060 to be 856,717. This represents a 61% increase in population.

**Stanislaus County
Projected Population Growth**



Source: California Department of Finance

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Stanislaus County Population Characteristics – 2010-2015 U.S. Census

Population	Number	Percent
Total Population	538,388	100%
Sex and Age		
Male	266,503	49.5%
Female	271,885	50.5%
Median Age (years)	32.9	
18 and under	146,979	27.3%
65 years and older	65,144	12.1%
Disabled	69,078	13.4%
Total Households		
	168,090	
Persons per household	3.07	
Median household income	\$49,573	
Persons in poverty, percent	93,115	18.1%
Language other than English spoken at home	208,352	40.5%
Education		
High School graduate or higher, percent	397,156	77.2%
Bachelor's degree or higher	84,369	16.4%
Stanislaus County School Enrollment (K-12)	106,126	19.7%

The median resident age for Stanislaus County residents is 32.9. Approximately 11.7% of the population is over the age of 65. The disability status of the civilian non-institutionalized population is 13.4%. Of the 13.4%, 4.2% are under 18 years, 11.1% are 18-64 years, and 47.6% are 65 years and older.

For the total population five years and older, 59.5% speak English only in the home and 40.5% speak a language other than English.

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2014 American Community Survey – Race and Hispanic/Latino

Estimated Population	531,997	100%
Hispanic or Latino	234,452	44.1%
White	234,649	44.1%
Black	12,171	2.3%
American Indian and Alaska Native	3,130	.6%
Asian	28,694	5.4%
Native Hawaiian and Other Pacific Islander	3,416	.6%
Some Other Race	1,479	.3%
Two or more races	14,006	2.6%

The 2014 American Community Survey provide by the California Department of Finance shows that the total population of Stanislaus County is comprised of 44.1% Hispanic or Latino, 44.1% White, 2.3 % Black, .6% American Indian and Alaska Native, .6% Native Hawaiian and Other Pacific Islander, .3% some other race, and .6% two or more races.

Household Income

The estimated median household income for Stanislaus County for 2014 was \$49,573 compared to \$61,933 for the State of California.

EDUCATION

An estimated 77.2% of Stanislaus County residents over 25 are high school graduates or above, with 16.4% having a Bachelor's degree or higher.

Post-Secondary Education

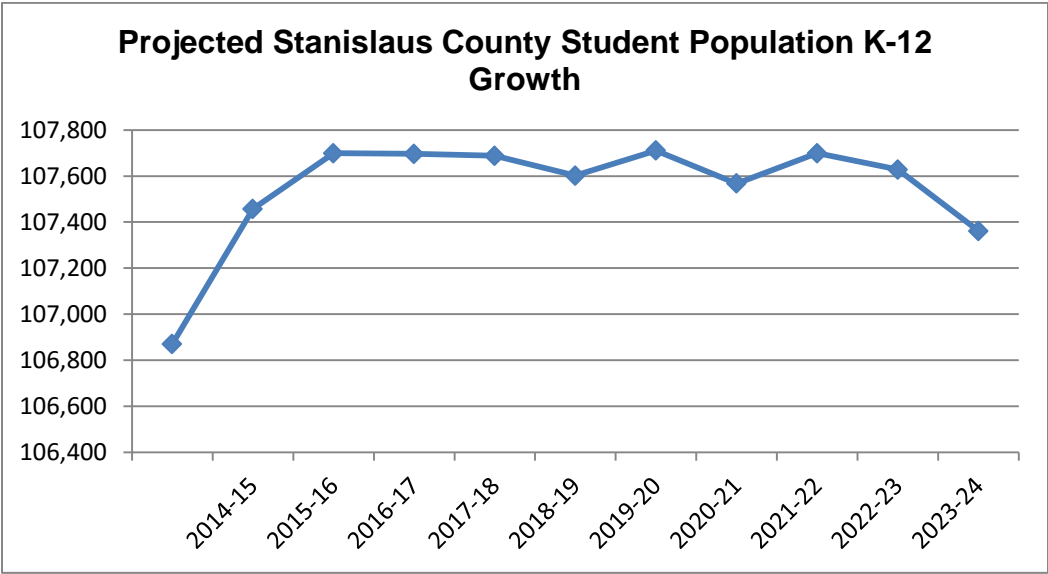
California State University, Stanislaus - Stanislaus County is home to California State University, Stanislaus (CSUS). The 228-acre campus located in the City of Turlock, along with the Stockton Center, serves a diverse student body of more than 9,000.

Modesto Junior College - Modesto Junior College offers two main campuses on the east and west side of Highway 99. The east campus comprises 58.3 acres, and the west campus comprises 167.1 acres which includes six large scale agricultural units. The college has a current enrollment of 19,262 students, including more than 8,000 students in the Community Education Program.

Stanislaus Public School Enrollment

The California Department of Finance and Stanislaus County Office of Education (SCOE) lists 106,126 students enrolled in K-12, or 20% of the County population, for the 2014/2015 School Year. Projections through 2024/2025 show that number increasing by less than 1000 students. SCOE is a partner agency with the Stanislaus Operational Area Council and participates in quarterly meetings.

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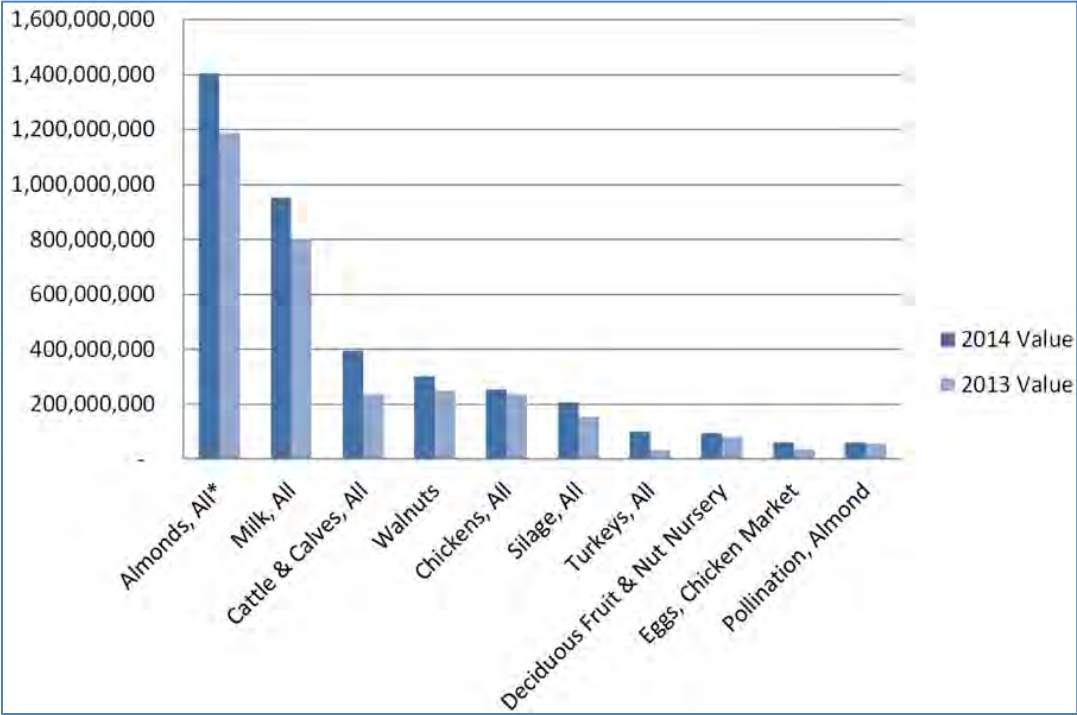


Source: Stanislaus County Office of Education and California Department of Finance

ECONOMY

Stanislaus County’s productive soils, long growing seasons, and extensive transportation network combine to make a successful farm and business region.

Agriculture is the County’s core industry with the value of agricultural commodities produced in 2014 valued at \$4,397,286,000. This represents a 20% increase from the 2013 gross production value and is primarily attributed to a significant raise in the value of almond meats, cattle and calves, milk production, turkeys, silage, and walnuts. However, 13,000 fewer acres were harvested than in 2013 due to forced fallowing brought on by a fourth year of drought conditions. Most of the acres fallowed were vegetable and silage crops on the west side of the County.



Source: Stanislaus County Agricultural Crop Report 2014.

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The Stanislaus Business Alliance, a local organization, oversees both economic development and workforce training activities in Stanislaus County. They maintain current statistics and other reports relevant to conducting business in the County. According to the Alliance, manufacturing continues to be an important employer in Stanislaus County. The top ten major manufacturing employers in 2016 are listed in the following chart.

Major Manufacturing Employers – 2016

Employer	Description	Employees*
E & J Gallo	Winery	3,300
Seneca Foods	Fruit Products	2,275
Del Monte Foods	Fruit Products	2,200
Stanislaus Food Products	Tomato Products	1,850
Foster Farms	Poultry Processor	1,500
ConAgra	Tomato & Bean Products	1,050
Bronco Wine	Winery	834
Silgan Containers	Metal Food Containers	750
Frito-Lay	Snack Food Products	684
Racor	Filtration Products	444

**Reflects peak seasonal levels where applicable. Source: Stanislaus Business Alliance*

The top ten private employers in Stanislaus County in the non-manufacturing field for 2016 are listed in the following chart.

Major Non-Manufacturing Private Employers – 2016

Employer	Description	Employees*
Memorial Medical Center	Healthcare	2,600
Doctors Medical Center	Healthcare	2,467
Save Mart Supermarkets	Retail Supermarket	1,661
Duarte Nursery	Plant Nursery	1,500
Emanuel Medical Center	Healthcare	1,250
Sutter Gould Medical Foundation	Healthcare	1,200
MedAmerica Billing Services	Medical Billing	900
Kaiser Permanente	Healthcare	800
Amazon	Fulfillment	750
Oak Valley Hospital District	Healthcare	750

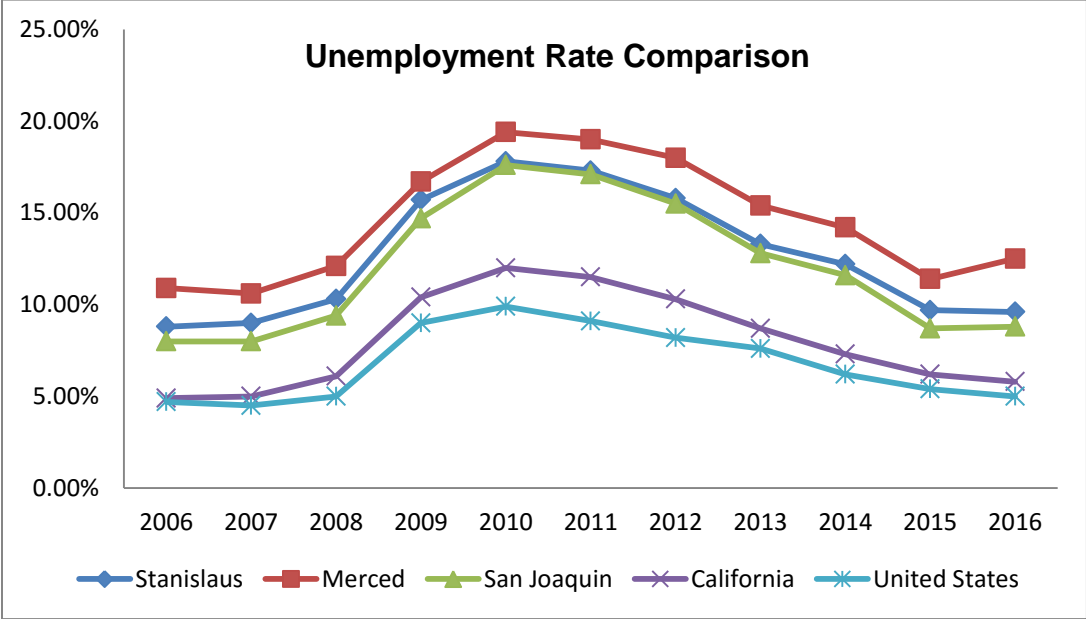
**Reflects peak seasonal levels where applicable. Source: Stanislaus Economic Development and Workforce Alliance*

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According to the California Employment Development Department, the unemployment rate in Stanislaus County was 9.6 percent in March 2016, up from a revised 9.3 percent in February 2015, and below the year-ago estimate of 10.7 percent for the nation during the same period.

UNEMPLOYMENT RATE COMPARISON

The County's unemployment rate rose to 17.8% in 2010, the highest figure recorded in 10 years, up from 15.7% in 2009, and a low of 8.8% in 2006, according to the California Employment Development Department and the United States Department of Labor. Since 2010, unemployment rates have dropped to 9.6% in 2016. This number is still significantly higher than the State percentage of 5.8% and the United States average of 5%. Unemployment rates can affect the number of commuters who must travel outside the County for work.



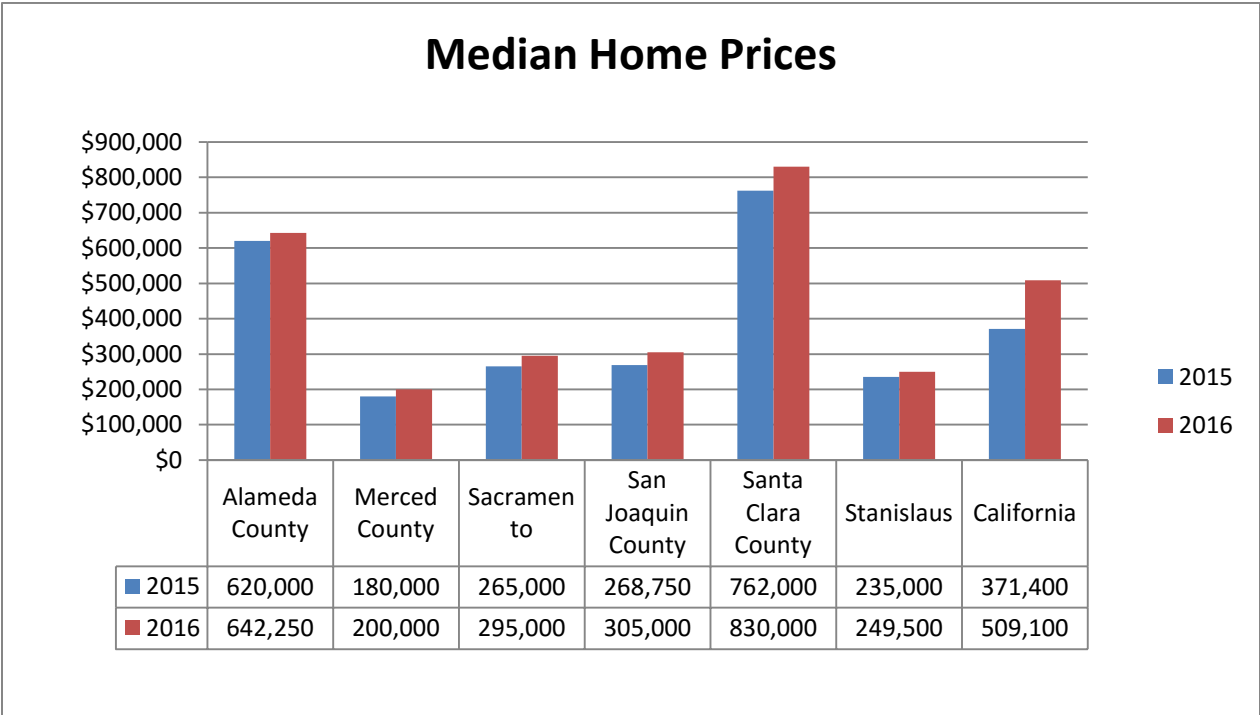
Source: California Employment Development Department, United State Department of Labor

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HOUSING

Home values in California experienced a dramatic decrease during the Great Recession from 2007 to 2009. The median home price in Stanislaus County peaked at \$256,000 in December 2005 and fell to \$129,000 by March 2012. In 2015, median home values in Stanislaus County had reached \$235,000, and by 2016, they had increased by 6.2% to \$249,500. Although median home prices in Stanislaus County have increased, the County still lags behind four of the five comparison counties and the State. Santa Clara County had the largest increase with an 8.9% increase in median home values between 2015 and 2016.

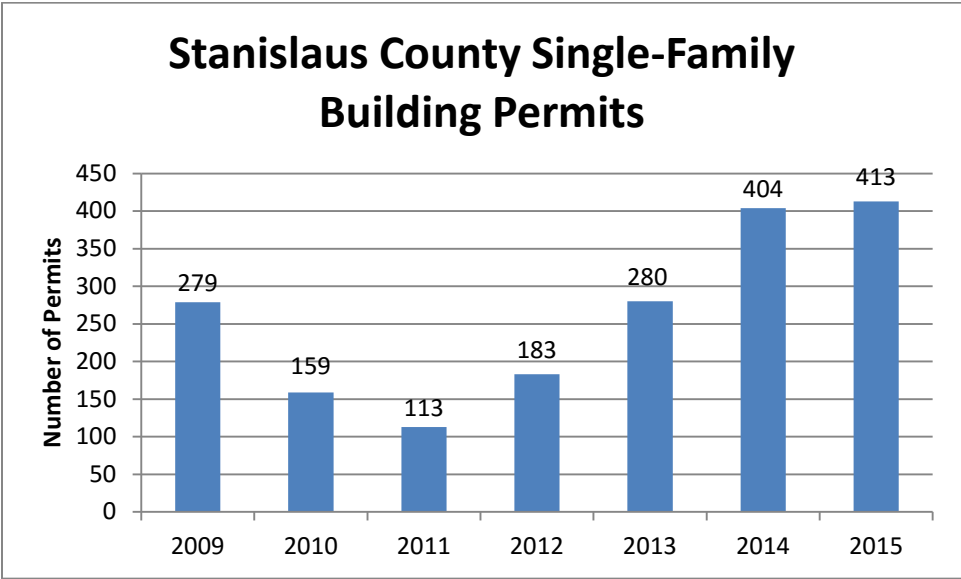
Within the unincorporated area of Stanislaus County there has been no significant development since the previous plan was adopted in 2011. The exception to this is the planned community on the western side of the County called Diablo Grande. Limited building has resumed within this area. Other building within the County has occurred within the cities.



Source: Corelogic.com

SINGLE-FAMILY BUILDING PERMITS

Stanislaus County tracks issued single-family residential construction permits as a way of monitoring the home construction, building materials and construction employment sector. After reaching a low of 113 in 2011, issued permits have experienced a steady increase to 413 permits issued in 2015.



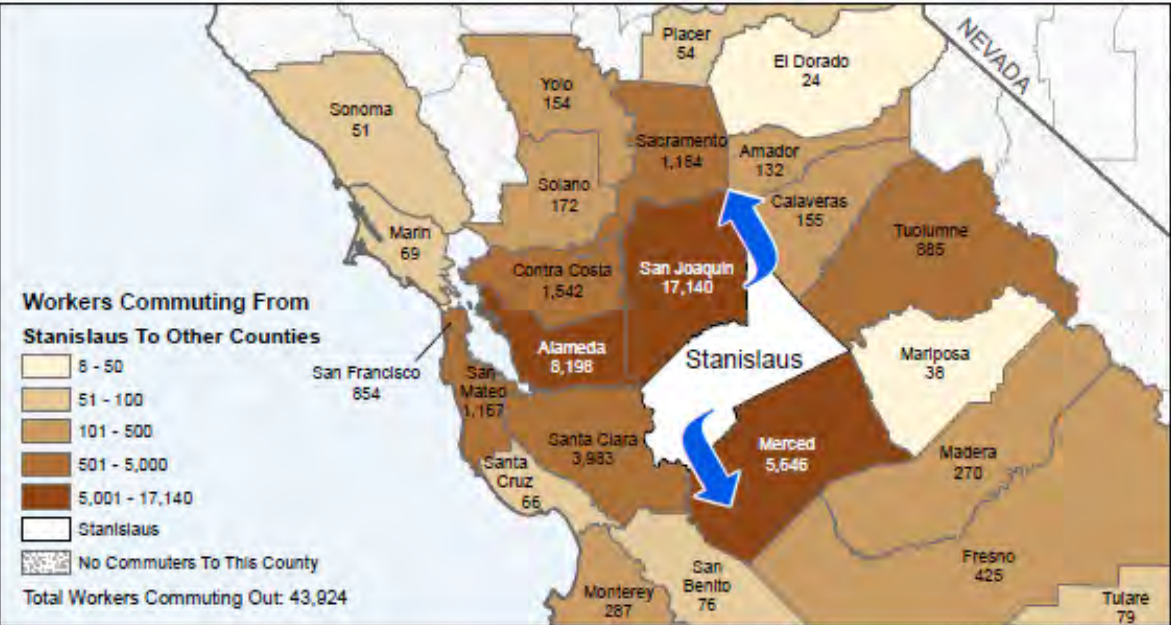
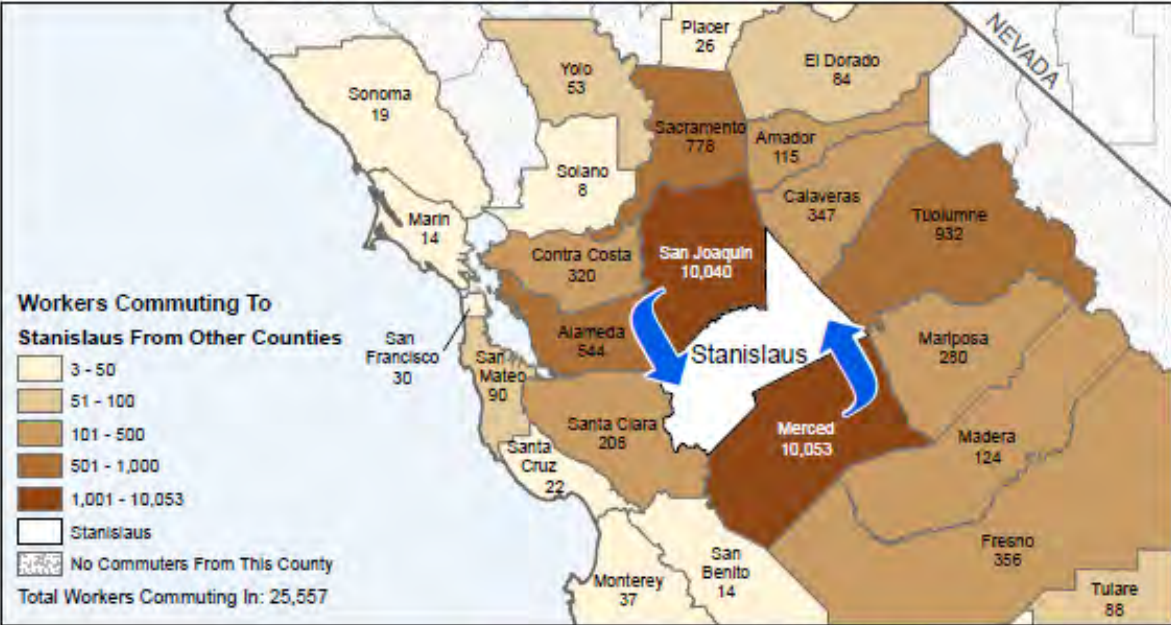
Source: United States Census Bureau

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COMMUTERS

Based on a January 2013 report by the U.S. Census Bureau, the State of California Employment Development Department estimates that 25,557 workers commuted to work from other counties to Stanislaus County and 43,924 workers commuted from Stanislaus County to other Counties. The total number of workers estimated to live and work in Stanislaus County is 157,079.

Stanislaus County to County Commuting Estimates



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Planning Process

SECTION FOUR - PLANNING PROCESS

This section identifies the planning process, the Planning Team members, the meetings held as part of the planning process, documents the outreach efforts, and the review and incorporation of existing plans, reports, and other appropriate information.

A comprehensive description of the planning process in this document informs citizens and other readers about the plan's development and serves as a record of how decisions were reached. A detailed summary of the participation demonstrated by each jurisdiction is presented under Supporting Documentation at the end of this section.

At the Kickoff Meeting on March 31, 2016, the Office of Emergency Services convened an internal meeting with Planning Team members. The Planning Team members include representatives who are leads in the development of the Stanislaus County General Plan, the Capital Improvement Plan and the Emergency Operations Plan. Their involvement in the plan development ensures the integration of the mitigation plan with other local plans. The following is list of Planning Team members, including their roles in the planning process.

PLANNING TEAM MEMBERS

ROLE	NAME	DEPARTMENT
Assistant Director of Emergency Services/Fire Warden <ul style="list-style-type: none"> Authority on mitigation planning, hazard response, and community issues. 	Dale Skiles	Office of Emergency Services
Deputy Director of Emergency Services/Fire Warden <ul style="list-style-type: none"> Project Leader Flood and Dam Inundation Risk Assessment and Mitigation Strategy 	Eric Holly	Office of Emergency Services
Project Manager/Plan Author to July <ul style="list-style-type: none"> Initiate and managed the plan update through June, 2016; Involved participating jurisdictions and stakeholders and represented the Chief Executive Office; and Developed text and orchestrates actual production of plan document. 	Paul Gibson	SBT / Office of Emergency Services
Project Manager/Plan Author – July forward <ul style="list-style-type: none"> Assumed responsibility for completing the plan and managed the final development Responsible for final submittal and approval of the LHMP Project Lead for Plan Project Lead for Earthquake Risk Analysis and Mitigation Strategy 	Deborah Thrasher	Office of Emergency Services
Project Assistant <ul style="list-style-type: none"> Provides project management assistance to the Project Manager/Plan Author; and Planning Team. 	Peter Ishaya	Chief Executive Office / Office of Emergency Services

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ROLE	NAME	DEPARTMENT
Emergency Management <ul style="list-style-type: none"> Assists in coordinating emergency services for OES and Operational Area. Project Lead for Landslide Hazard Risk Analysis and Mitigation Strategy 	Melba Hibbard	Office of Emergency Services
Plan Development/Hazard Knowledge <ul style="list-style-type: none"> Edited and finalized plan document for adoption; Historical data of past events; and Knowledge of Emergency Operations Plan for the County and nine cities. 	Chris Holmer	Office of Emergency Services
Fire Marshal <ul style="list-style-type: none"> Responsible for Federal, State and local code interpretations; and Code variance, pre-engineering analysis, new business development, and fire code development for the County. Wildfire Hazard Expert 	Jerry McDaniel/ Randy Crook	Office of Emergency Services
Planner <ul style="list-style-type: none"> Plan development, land use, future development, and safety element of the General Plan. 	Angela Freitas, Director	Planning & Community Development
Planner <ul style="list-style-type: none"> Plan development, land use, future development, and safety element of the General Plan. 	Kristin Doud	Planning & Community Development
Chief Building Official <ul style="list-style-type: none"> Building code enforcement, land use, and mitigation goal and strategy contact. 	Denny Ferreira	Planning & Community Development
Public Works <ul style="list-style-type: none"> Expert on County infrastructure. This includes inventory and valuation information for public infrastructure for each of the five identified hazards. The inventory is comprehensive and includes: roads, traffic signals, drainage facilities, lighting facilities, bridges, and airports; and GIS mapping is now done through the Public Works Department, but will soon be handled by the Strategic Business Technology department. 	Randy Avants	Public Works
Public Works/GIS Manager <ul style="list-style-type: none"> GIS implementation and mapping. 	Peou Khiek	Public Works / SBT
Public Works/GIS Application Specialist <ul style="list-style-type: none"> GIS map creation, research, data collection, data verification, and hazard analysis. 	Aron Harris	Public Works / SBT

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ROLE	NAME	DEPARTMENT
Assessor <ul style="list-style-type: none"> Determines property values of parcels in County; and Shares database and resources to aid in determining property values for risk assessment and integration with GIS mapping of hazards. 	Don Gaekle	Assessor's Office
Assessor <ul style="list-style-type: none"> Information Technology Specialist; Shares database and resources to aid in determining property values for risk assessment and integration with GIS mapping of hazards; Information Technology Specialist 	Clarence Willmon	Assessor's Office
Capital Projects <ul style="list-style-type: none"> Provides inventory of current and future County facilities for integration into GIS mapping. Provides link to Capital Projects and Capital Improvement Plan 	Tim Fedorchak	Chief Executive Office
Senior Application Specialist <ul style="list-style-type: none"> IT expert; and coordinating efforts between SBT and Planning Team members. 	Debra Siebrecht	Strategic Business Technology
Risk Management <ul style="list-style-type: none"> Provides a list of the insured value of each County owned facility. 	Kevin Watson	Risk Management Division / Chief Executive Office

LHMP KICK-OFF MEETING

On March 16, 2016, the Project Assistant sent an e-mail to the Planning Team members across multiple County departments, inviting them to participate in the Kick-Off Meeting for the LHMP Update. These County personnel were assigned to execute specific roles for the update.

On March 31, 2016, fifteen individuals participated in the Kick-Off Meeting held at 1010 10th Street Modesto, California, Room 2008. The Assistant Director of Emergency Services explained the importance of participating in the plan update and presented an overview of the process with a discussion explaining the plan requirements. The Project Manager and Assistant Director of Emergency Services reviewed the FEMA Planning Guide requirements and discussed the importance of accurately completing the planning process. The Project Manager provided training on the desired organization of the plan document and reviewed the requirements of the Prerequisites, Planning Process, and Risk Assessment sections of the plan. Training on the Mitigation Strategy and Plan Maintenance sections of the plan were identified to be discussed at the next meeting.

PUBLIC INVOLVEMENT IN THE PLAN DEVELOPMENT PROCESS/DECLARATION OF INTENT TO PARTICIPATE WITH STANISLAUS COUNTY

On April 12, 2016, the Project Assistant sent an email notification to local jurisdictions and participating agencies inviting them to participate in the Public/Participating Agency Meeting to be held at Salida Library. Over 190 individuals were contacted from various jurisdictions within the County. A press release

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was submitted by David Jones, Stanislaus County Director of Communications and Legislative Affairs. Mr. Jones also informed the media about the public notification. The press release can be found here: <http://www.stancounty.com/news-room/news-releases/news-2016/pdf/press-release-20160411-oes.pdf>.



CHIEF EXECUTIVE OFFICE
Office of Emergency Services/
Fire Warden

Dale Skiles
Fire Warden
Assistant Director of OES

3705 Oakdale Rd, Modesto, CA 95357
Phone: 209.552.3600 Fax 209.552.2512

PRESS RELEASE

For Immediate Release
April 8, 2016

Contact: Paul Gibson
(209) 552-3600

PUBLIC MEETING:

Stanislaus County Multi-Jurisdictional Hazard Mitigation Plan Update

The Office of Emergency Services will hold a public meeting on **April 28th, 2016 from 1:00 p.m. to 3:00 p.m. at the Salida Library**. You are invited to attend. The purpose of the meeting is to provide a project overview and gather input from citizens regarding natural, human-caused and other hazards in Stanislaus County and the risk to critical facilities and vulnerable areas in our County.

Natural disasters, such as earthquake and flooding are real threats to citizens, property, businesses and government operations. In California, wildfires are a perennial concern. Stanislaus County would hope to hear from you about the types and natures of hazards that we all face, and your thoughts about how to minimize or curb their impacts.

Details:

Stanislaus County Hazard Mitigation Plan Update Public Meeting
Time & Date: 1:00-3:00PM, Thursday, April 28, 2016
Location: Nick W. Blom Salida Regional Library
4835 Sisk Rd, Salida, CA 95368

About the Hazard Mitigation Plan

The plan, when approved, will guide Stanislaus County toward greater disaster resistance as part of on-going efforts to create a more sustainable community. An approved plan will also qualify the County for certain kinds of Federal mitigation project funding. This plan will be a blueprint for reducing or eliminating long-term property damage and saving lives from the effects of future natural and man-made disasters in the community. This detailed plan update will address a variety of potential hazards that could affect some or all of the County's residents.

Hazard mitigation plans must be implemented on an ongoing basis, and updated every five years to ensure that they remain applicable representations of local risk and locally-preferred risk reduction strategies. More information about the project is maintained on the County's website at <http://stanoes.com/mjhmp.shtm>.

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Each jurisdiction was asked to formally declare if they were going to participate with Stanislaus County. This information was used to determine participation so the Project Manager could schedule meetings and share resources.

JURISDICTIONS INVITED	PARTNERS INVITED
Mayors/City Managers	18 partners
School Districts	27 partners
Community Service Districts	8 partners
Fire Protection Districts	15 partners
Fire Services	7 partners
Police Services	5 partners
Hospital Districts	3 partners
Irrigation Districts	6 partners
Sanitary Districts	2 partners
Cemetery districts	3 partners
Drainage Districts	2 partners
Flood Control Districts	2 partners
Mosquito Abatement Districts	2 partners
Reclamation Districts	2 partners
Resource Conservation Districts	2 partners
Water Districts	7 partners

On April 4, 2016, the Office of Emergency Services convened an internal meeting with the hazard team leads to discuss the plan update process and schedule, set the agenda for the public/participating agency meeting, review tasks to be accomplished, and assign hazard team leads their individual responsibilities for each hazard identified in the plan update.

On April, 6, 2016, the Project Manager and the Project Assistant met with the GIS Team to discuss data gathering and GIS mapping for the plan update. An update strategy was assigned to the GIS Team to assist them in completing and delivering high-quality GIS maps for the 2016 Local Hazard Mitigation Plan.

On April 13, 2016, a teleconference call was scheduled with CalOES representative, Victoria LaMar-Haas to discuss the update strategy, process, and planning with Planning Team members. Other topics discussed during this meeting included review tools and guides that may be used in the plan update. The following individuals participated in the conference call: Peter Ishaya, Paul Gibson, Kevin Watson, Don Gaekle, Debbie Siebrecht, Melba Hibbard, Marvin Afable, Jerry McDaniel, Randy Avants, Eric Holly, Dennis Cordova, and Francine Gutierrez.

On April 28, 2016, the Office of Emergency held the Public/PA Meeting at the Nick W. Blom Salida Regional Library, located at 4835 Sisk Road, Salida, California 95368. The Assistant Director of

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Emergency Services explained the importance of participating in the plan update and presented an overview of the process with a discussion explaining the plan requirements.

**Local Hazard Mitigation Plan
Public Participating Agency Meeting
April 28, 2016
Attendees**

NAME	POSITION	DEPARTMENT/ORGANIZATION
Melba Hibbard	OES Manager	Stanislaus County OES
Deborah Thrasher	OES Planner/Personal Services Contractor	Stanislaus County OES
Eric Holly	Deputy Fire Warden	Stanislaus County OES
Richard Murdock	Executive Director	Mountain-Valley Emergency Medical Services Agency
Matt Erickson	Public Works Director	City of Waterford
Adam Scheuber	Water Operations and Resources Manager	Del Puerto Water District
John Black	Director of District Security, Compliance and Emergency Preparedness	Yosemite Community College District
Erik Klevmyr	Fire Prevention Specialist II	Stanislaus County OES
Mike Borges	Chief of Police	Mike Borges
Paul Willette	Director of Ambulance Operations	Patterson District Ambulance
Mike Payton	Fire Division Chief	Modesto Fire Department
Jaime Towe	Chief Business Officer	Salida Union School District
Beronia Beniamine	Hazardous Materials Division Manager	Stanislaus County Department of Environmental Resources
Steve Jackson	Probation Manager	Adult Probation Department
Norma Torres-Manriquez	Administration Analyst II/Human Services Specialist	City of Riverbank
Teresa Fields	Facilities Analyst	Stanislaus County Office of Education
Dan Bernaciak	Deputy Agricultural Commissioner/Sealer	Stanislaus County Agricultural Commissioner

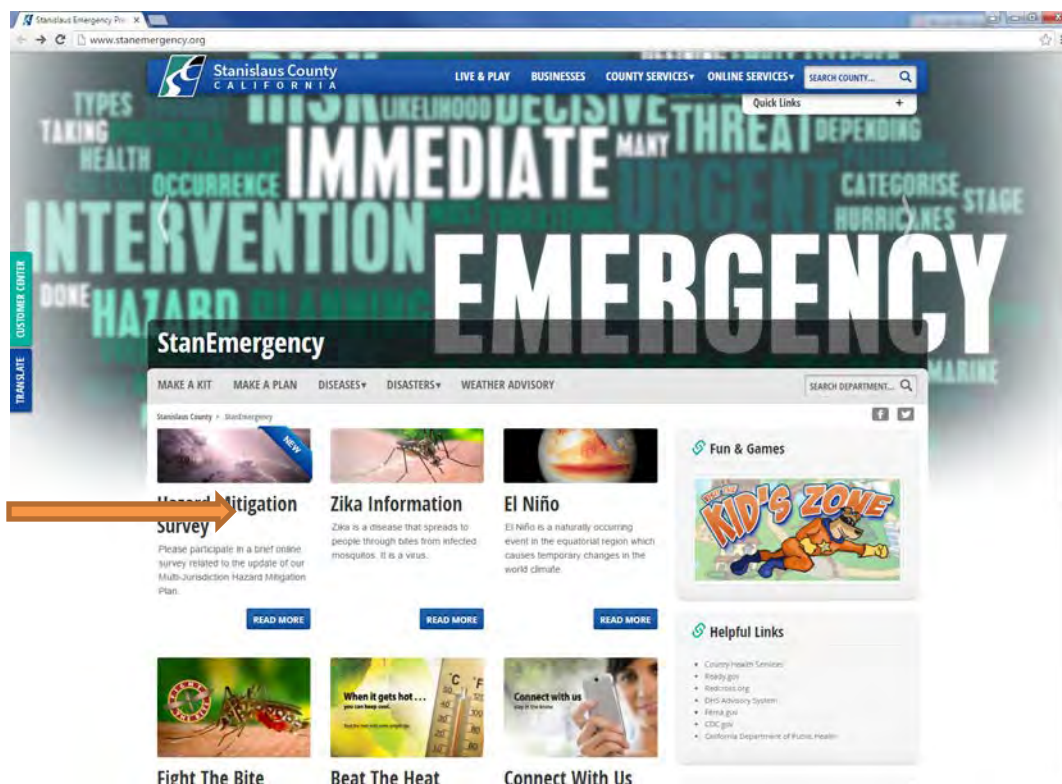
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NAME	POSITION	DEPARTMENT/ORGANIZATION
Jeff Gregory	Fire Chief	City of Patterson and West Stanislaus Fire Protection District
Darlene Barber-Martinez	City Council Member	City of Riverbank
Laura Rodriguez-Mascorro	Campus Continuity Coordinator	California State University Stanislaus
Jerry McDaniel	Personal Services Contractor	Stanislaus County OES
Paul Easter	Deputy Fire Marshal	City of Modesto Fire Department
Elsy Voltino	Emergency Services Coordinator	Cal OES
Don Gaekle	Assessor	Stanislaus County Assessor's Office
Jeff Rufo	Road Supervisor	Stanislaus County Public Works Department
James Ferrera	Manager II	Stanislaus County Health Services Agency
Ray Martin	Board Member	Oakdale Fire Protection District
Casi Persons	Confidential Assistant IV	Stanislaus County OES
Tim Spears	Fire Marshal	Stanislaus Consolidated Fire Protection District
John W. Barios	Board Member	Stanislaus Consolidated Fire Protection District
Kristin Doud	Associate Planner	Stanislaus County Planning and Community Development Department
Tom Price	Superintendent/Principal	Valley Home Unified School District
Danielle Denczek	District Manager	Salida and Oakdale Rural Fire Protection Districts
Mike Anderson	Veteran and Military Liaison	Congressman Jeff Denham's Office
Ed Miller	Director of Child Welfare	Modesto City Schools

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Participants provided feedback during the meeting through their completion and submittal of the Hazard Identification Questionnaire. Each entity was asked to review the hazards and state if they concurred with the determination and to provide information on: (a) any unique concerns; (b) any notable events since 2010, including the date, number of injuries, and types (and or dollar amounts) of damages to buildings, utilities, infrastructure and, especially, critical facilities; and (c) any areas of the County and/or specific facilities that they felt were particularly at risk, even if there are no historic occurrences.

There were fifteen surveys received and reviewed at the meeting. Seven respondents indicated no additional hazards should be included in the updated plan. The following hazards were mentioned at least once for inclusion in the current plan: chemical spills, climate change, cyber terrorism, drought, extreme heat and windstorms / tornados. Cyber terrorism was noted five times, the most of any new hazards. The survey specific to new hazards was also available on the internet via SurveyMonkey. One response was received with the responder indicating avalanche, chemical spill, climate change, cyberterrorism, drought and windstorms/tornadoes should be considered for inclusion in the plan update. The meetings participants had a lively discussion and reached consensus that the County would include the original five hazards identified in previous plans and not include new hazards at this time. The five hazards are earthquake, landslide, dam failure, flood, and wildfire. Climate change impacts will be discussed specific to each of these five hazards.



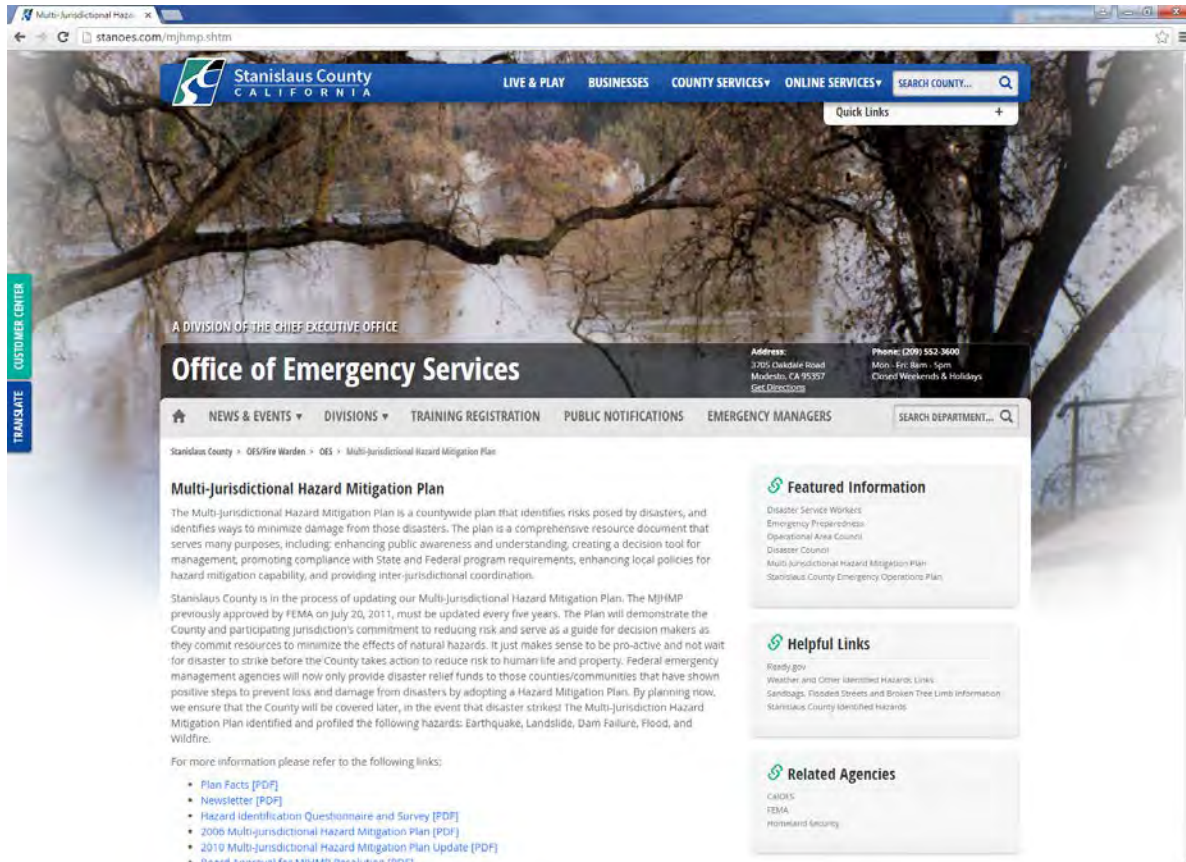
The meeting was the perfect opportunity to discuss the benefits of local mitigation planning. A local plan offers an opportunity to cooperate on mutual concerns, allows economies of scale, and avoids duplication of efforts.

The LHMP Update website <http://stanoes.com/LHMP.shtm> was shared at the meeting. Resource materials such as: Plan Facts, Hazard Identification Questionnaire and Survey were reviewed.

It is important to provide the general public with a means to not only learn about the Plan Update, but to voice concerns and to provide input throughout the planning process. The LHMP website served as a means to alert the public to the fact that the County was working to develop a Hazard Mitigation Plan Update and to provide the public with an opportunity to participate, ask questions, and submit comments and/or suggestions on the process through the SurveyMonkey link posted on the website. The website provided an opportunity to ensure that the participating jurisdictions were fully aware of the plan update and to make it easier for them to become involved and engaged during the planning process. The website will continue to be maintained on a regular basis to alert the public on the progress of the update

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and subsequent updates. The website also has a Contact Us link with the name and phone number of the Assistant Director of Emergency Services and Project Manager so individuals can reach out for information on how to become involved. The following screen shot shows the County's site.



PLAN FACTS

Plan Facts was created to increase public awareness of the hazard mitigation plan process by providing a simple one page handout that could be used to inform the public and community leaders and other stakeholders about the importance of hazard mitigation planning and the plan update. Hard copies were handed out at the Public/PA Meeting.

Stanislaus County Multi-Jurisdictional Hazard Mitigation Plan Facts



For more information contact:

- Dale Skiles, Assistant Director of Emergency Services (209) 552-3600
- Paul Gibson, Project Manager (209) 552-3868
- pgibson@stanoes.com
- Visit our website at: <http://www.stanoes.com/oes.shtm>
- Office of Emergency Services
3705 Oakdale Road, Modesto, California 95357
- Natural disasters can't be prevented, but their impacts can be reduced through hazard mitigation
- The County Multi-Jurisdictional Hazard Mitigation Plan is currently being updated. If you are interested in participating, please contact the Project Manager.
- Components of a MJHMP include: prerequisites, planning process, risk assessment, mitigation strategy, and plan maintenance.
- Don't miss out—join Stanislaus County as one of our multi-jurisdictional partners!



Protect Your Future...



What is Hazard Mitigation?

Natural hazards have the potential to cause property damage, loss of life, economic hardship, and threats to public health and safety. Hazard mitigation measures are essential to breaking the typical disaster cycle of damage, reconstruction, and repeated damage. Hazard Mitigation measures are the things you do today to be more protected in the future. They are measures taken before a disaster happens to reduce the impact that future disasters will have on people and property in the community. Mitigation reduces the risk of loss and creates a more disaster-resistant and sustainable community.

Purpose and Need for the Plan

Hazard mitigation plans are developed BEFORE a disaster strikes. The plans identify community policies, actions, and tools for long-term implementation to reduce risk and potential for future losses. Adopted, implemented, and maintained on an ongoing basis, these plans will lessen the impacts associated with hazard events in Stanislaus County. As of November 1, 2004 communities that do not have a FEMA approved hazard mitigation plan in place are no longer eligible for FEMA project grant monies under programs such as the Hazard Mitigation Grant Program, Flood Mitigation Assistance Program, Pre-Disaster Mitigation Grant Program, and Severe Repetitive Loss.

Participation

Jurisdictions located within Stanislaus County who wish to be recognized by FEMA as being compliant with DMA 2000 must either: (a) participate with the County in the multi-jurisdictional plan development process and formally adopt the final plan, or (b) prepare their own hazard mitigation plan. All jurisdictions in Stanislaus County are being invited to participate in the process. Active participation in the process is the only way a jurisdiction can be seen in FEMA's eyes as a "participating jurisdiction" that has met the requirements of DMA 2000 and is therefore eligible to apply for Federal funds for hazard mitigation projects. Participation includes attending meetings, providing feedback, reaching out to the public and other key stakeholders in the community, and adopting the final plan.

All jurisdictions received an email following the Public/PA Meeting with an update of what was discussed along with copies of the resource materials and link to the website. The initial meeting generated a lot of interest and subsequent one-on-one meetings with various jurisdictions wanting additional information on how to proceed.

In past years, the County coordinated the development of a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). After Stanislaus County Office of Emergency Services staff reviewed the previous hazard mitigation plans and the short timeline to complete the update, the County decided to focus on the development of a Local Hazard Mitigation Plan (LHMP). References to the MJHMP in other county plans should be considered synonymous with the term LHMP. The LHMP developed for the County may be used as a base plan by other local government within Stanislaus County to complete their specific plans. County OES staff will be available to assist with the development of mitigation plans by local agencies.

INVOLVEMENT OF OTHER STAKEHOLDERS IN THE PLAN DEVELOPMENT PROCESS

In order to meet Federal requirements, the plan development process must be open to stakeholders beyond planning group members and the general public. Opportunities must be available for other stakeholders such as businesses, neighboring communities, academia, and other relevant private and non-profit interests to become involved in the planning process. The Planning Team determined that the LHMP website, previously mentioned, would provide an opportunity for the public to be notified of the plan update.

GEOGRAPHICAL INFORMATION SYSTEM (GIS) PROJECT PLANNING

When the Risk Assessment for the Local Hazard Mitigation Plan was originally prepared in 2004, the County's Public Works Department was responsible for all GIS mapping. Between 2004 and June 2016, the GIS mapping function was transferred to Strategic Business Technology (SBT) Department. Since July 1, 2016, the GIS mapping function has returned to the Strategic Business Technology (SBT) Department as part of some organizational restructuring executed by the Chief Executive Office.

The Project Manager, who previously served as the County's former Chief Information Officer in the previous Local Hazard Mitigation Plan in 2011, scheduled a GIS internal meeting on April 6, 2016, to discuss the update process and schedule, plan review, data gathering, and GIS hazard mapping for the Plan update. In attendance were representatives from the County's Information Technology Department (Strategic Business Technology), Public Works – GIS, and the Assessor's Office. The GIS team proceeded to discuss the details of the GIS mapping requirements, such as including inventory and valuation information for public infrastructure for each of the five identified hazards: earthquake, landslide, dam failure, flood, and wildfire. Other related comprehensive inventory information that was discussed included: roads, traffic signals, drainage facilities, lighting facilities, bridges and airports.

Other data collection partners included: Kevin Watson from Risk Management who was contacted to provide a list of the insured value of each County owned facility, and Tim Fedorchak of Capital Projects, who was contacted to provide a list of the County-owned and occupied facilities. Assessor, Don Gaekle, was contacted by the GIS Manager to provide access to the Assessor's database for the LHMP update. The Assessor previously assisted the County in 2004 when the original Hazard Mitigation Plan was drafted.

Most of the inventory and risk data can be layered into the County's existing GIS system to provide nearly instant aggregation of asset values within specifically identified risk areas. This data will then be updated and made available in a live database to ensure that the information is current. A GIS-based solution provides an interactive tool that can be shared with emergency responders and policy-makers in addition to supplying the preventative hazard mitigation-planning tool for development analysis purposes. Use of the GIS system will also be expanded in the future to provide for automation of notification to responders for virtually any "emergency alert" situation such as evacuations. Other resources were used for data integration for hazard mapping, including CalOES tools such as MyHazards and MyPlan.

PUBLIC WORKS/GIS PROJECT PLANNING MEETINGS

The Project Manager and Project Assistant met with the GIS team on April 29, 2016 to describe the role, responsibilities and expectation of Public Works in the plan update. Also in attendance was Victoria LaMar-Haas from CalOES. Participants discussed what information was needed to prepare the GIS maps and how to obtain resources from State Cal OES and FEMA. In attendance were Aron Harris, Mike Baliel, Peter Ishaya, and Paul Gibson. Victoria LaMar-Haas presented on MyHazards and MyPlan tools for use in the plan update.

On July 8, the Project Lead met with the Director of the Strategic Business Technology (SBT) Department and the GIS Manager to review the progress on the GIS maps. SBT continued regular meetings to oversee the development of GIS components of the plan. GIS worked with the Project Lead to ensure accurate and up to date information.

GIS SCOPE OF WORK FOR EACH HAZARD INCLUDES:

- Identify Structures—buildings, infrastructure, critical facilities, structures that house elderly or disabled and transportation systems—both for present assets and those planned for the future.
- Address Repetitive Loss Properties—by type including residential, commercial, and institutional.
- Estimate Potential Losses. The development of the Local Hazard Mitigation (LHMP) will include an inventory of assets from each publicly governed jurisdiction, coordinated by Stanislaus County, and an assessment of hazard risks: earthquakes, flooding, dam failure, wildfires and landslides.
- The LHMP must include the five specified risks gauged at 22 levels. The asset inventory provided by the County Assessor's Office database includes individual parcels; various lands use codes, and various taxing agencies or districts.
- County property (building asset) inventory and valuation—for both present assets and those planned for the future. This inventory to be by APN number with Assessor's use code, government jurisdiction, and valuation data for all APN's.
- Update the separate GIS layers for present assets and those planned for the future, to allow for GIS queries and reports to distinguish between the two. When new facilities are completed, the corresponding feature will be moved from the "future assets" layer to the "current asset" layer.
- From Census data, the number of people that would be affected by each natural hazard.
- During an update to the risk assessment, local jurisdictions must consider current and expected future vulnerability to all hazards and integrate new hazard data such as flood studies. Local jurisdictions are asked to incorporate updated estimates of cost of living and replacement costs for vulnerable buildings and impacts of population growth or loss in vulnerable areas.
- The number of properties/assets by general use code, for privately owned properties, and the sum of the property values, and improvement values from the Assessor's database.
- The number of people impacted by the disaster.

STRATEGIC BUSINESS TECHNOLOGY (SBT)—GEOGRAPHICAL INFORMATION SYSTEM (GIS)

The GIS maps and reports developed for the Local Hazard Mitigation Plan were developed by the Stanislaus County Public Works Department. This system is not connected to, dependent on, or in any way related to the GIS system developed by California CAD Solutions for the Alliance project. The Alliance project was developed using the Autodesk MapGuide software—a browser based "inquiry only" type system with limited analysis and mapping capabilities. That project addressed the specific needs of the Alliance group, and runs on an entirely different server from any other County GIS system.

The GIS system used for the LHMP, is based on ESRI's ArcInfo software, and is capable of performing sophisticated GIS layer creation, analysis, and mapping tasks. ESRI's software is the County GIS standard, used by most, if not all other County departments actively involved in GIS—including SBT, the Emergency Operations Center, and 9-1-1.

RISK ASSESSMENT MEETING

All Planning Team members were invited to attend a Risk Assessment meeting held on May 3, 2016 and May 4, 2016 in Room 2008 of 1010 10th Street, Modesto, California. Planning Team members, along with hazard team leaders, consulted with various experts within the County, in order to develop a comprehensive risk assessment for each hazard identified in this plan update.

MITIGATION STRATEGY MEETING

On June 1, 2016, the Project Manager and Project Assistant convened a meeting with the Planning Team. The previous plan was reviewed and new mitigation goals and actions were discussed along with incorporating information from the Safety Element of the Stanislaus County General Plan.

The Planning Team was charged to review and further analyze the mitigation goals and strategies in order to set hazard mitigation goals, set objectives for mitigation actions, and review implementation strategy. Incorporating feedback and comments from all Planning Team members into the draft plan was helpful in updating the mitigation strategies for this plan update. The Planning Team then developed a mitigation strategy with goals and actions to increase the disaster resistance of the County, along with

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procedures for monitoring, evaluating, and updating the Plan to ensure that it remains a “living document.”

JOINT DISASTER COUNCIL/OPERATIONAL AREA COUNCIL MEETING

On May 26, 2016, Stan Risen, the Chief Executive Officer, who also serves as the Director of Emergency Services, and Dale Skiles, the Assistant Director of Emergency Services, presented the planning process for the 2016 Local Hazard Mitigation Plan. Participants included the nine incorporated cities within the County and partnering agencies.

FINAL REVIEW

On August 30, 2016, all members of the Planning Team received a draft copy of the hazard mitigation plan for review and feedback. The Planning Team was given a turnaround time in which to review the plan and provide comments to the Project Manager for incorporation into the final submission to CalOES and FEMA. Comments were received from Planning Team members representing GIS, Capital Projects, the Office of Emergency Services, Assessor, Public Works and Planning. Input included updated information specific to the flood and dam risks along with GIS data. The team also provided guidance on areas that needed additional editing.

The plan was submitted for local government and public review on September 15, 2016. The draft LHMP was posted on the Stanislaus County website and a comment form was included. The public comment period was also promoted via a press release and on Facebook and Twitter. Operational Area partners, including cities and districts, were sent emails with link to the website that included the draft plan and comment form. The public comment period closed on October 3, 2016 and no comments were received through the website. There were additional comments during this period from the Stanislaus County Planning Department and the Office of Emergency Services. The comments were specific to the General Plan references, the dam failure risk assessment and general edits for the plan. The comments were incorporated into the document. Below is the Press Release for the September 15, 2016 plan review.

SUPPLEMENTAL REVIEW

The State of California Office of Emergency Services reviewed the LHMP and contacted the Stanislaus County Office of Emergency Services with suggestions to enhance the plan. As a result members of the planning team met on January 12, 2017. Representatives present were from the Planning Department, Assessors Office, Public Works, Office of Emergency Services/Fire Warden and the Chief Executive Office. Items for discussion included the mitigation activities and the cost-benefit analysis. The updated plan was re-submitted to the State of California on February 2, 2017.



CHIEF EXECUTIVE OFFICE
Office of Emergency Services/
Fire Warden

Dale Skiles
Fire Warden
Assistant Director of OES

3705 Oakdale Rd. Modesto, CA 95357
Phone: 209.552.3600 Fax 209.552.2512

PRESS RELEASE

For Immediate Release
September 15, 2016

Contact: Dale Skiles
(209) 552-3600

PLAN REVIEW AND COMMENT PERIOD: Stanislaus County Local Hazard Mitigation Plan Update

Every five years the Federal Emergency Management Agency (FEMA) requires local government to update the Local Hazard Mitigation Plan (LHMP). The LHMP identifies risks posed by disasters and ways to minimize damage from those disasters. A FEMA approved plan allows Stanislaus County to qualify for federal hazard mitigation funding as well as recovery funds after a disaster. The last plan was approved by FEMA in 2011.

The Office of Emergency Services has coordinated the update of the Stanislaus County Local Hazard Mitigation Plan. The plan is available for review and comment on the County website at <http://www.stanoes.com/lhmp.shtml>

The plan will be open for comment until October 3, 2016. After comments are reviewed and the plan is updated, the County will submit the LHMP to the California Governor's Office of Emergency Services for review and comment. Once approved by the State, the plan will then be submitted to FEMA. After FEMA approves the plan, the LHMP will be submitted to the Stanislaus County Board of Supervisors for plan adoption.

Details:

Stanislaus County Local Hazard Mitigation Plan Update
Plan Location: <http://www.stanoes.com/lhmp.shtml>
Public Comment: September 15, 2016 through October 3, 2016

###

REVIEW AND INCORPORATION OF EXISTING PLANS

In the process of preparing this hazard mitigation plan, many other existing plans, studies, reports, and technical information were evaluated or used as guidance. The Planning Team for the development of the Local Hazard Mitigation Plan included representatives who are charged with developing the Stanislaus County General Plan, the Stanislaus County Capital Improvement Plan and the Stanislaus County Emergency Operations Plan. The team members work to ensure that local plans are integrated with the LHMP and also provide expertise for the integration of other local, state and federal plans, codes and regulations. The list below includes the sources that were referenced for the development of the Stanislaus County Local Hazard Mitigation Plan.

U.S. Government:

- Federal Emergency Management Agency (FEMA) to obtain current 100 and 500 year flood data;
- FEMA Technical Bulletin 11-01 Crawlspace Construction for Buildings located in Special Flood Hazard Areas National Flood Insurance Program Interim Guidance provides guidance on crawlspace construction.
- National Flood Insurance Program
- This program aims to reduce the impact of flooding on private and public structures by providing affordable insurance to property owners and by encouraging communities to adopt and enforce floodplain management regulations. These efforts help mitigate the effects of flooding on new and improved structures.
- National Incident Management System (NIMS)
- This system directs the creation of a comprehensive, national approach to incident management by federal, state, territorial, Tribal and local responders and across all functional disciplines.
- Federal Energy Regulatory Commission (FERC)
- FERC is an independent agency that regulates interstate transmission of electricity, natural gas, and oil. FERC also reviews proposals to build liquefied natural gas (LNG) terminals and interstate natural gas pipelines as well as licensing hydropower projects and providing regulations of dams.
- USGS to obtain seismic data;
- Census Bureau to obtain County census block data;

State of California:

- California Code of Regulations, Title 24, Part 9 (California Building Standards Code) (Fire Code)
- CCR Title 24 governs the design and construction of all building occupancies and associated facilities and equipment throughout California and is also known as building standards. It contains requirements for the structural, mechanical, electrical, and plumbing systems, and requires measures for energy conservation, green design, construction and maintenance, fire and life safety, and accessibility.
- Alquist-Priolo Earthquake Fault Zoning Act
- The Alquist-Priolo Earthquake Fault Zoning Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults.
- California Environmental Quality Act (CEQA)
- The California Environmental Quality Act (CEQA) is a California statute passed in 1970 shortly after the United States federal government passed the National Environmental Policy Act (NEPA), to institute statewide policy of environmental protection.
- California Public Resources Code (PRC) Section 4291 – Clearance Around Structures provides direction for persons owning, leasing, controlling, operating, or maintaining any building or structure in, upon, or adjoining any mountainous area of forest-covered lands, brush-covered lands, or grass-covered lands, or any lands which is covered with flammable material, to maintain clearance from structures and minimize the changes of a forest fire entering into populated areas.
- 2013 California Enhanced State Multi-Hazard Mitigation Plan – The State plan addresses hazards, mitigation capabilities, strategies and actions. The plan was reviewed for coordination with the local plan.
- California Department of Forestry and Fire Prevention to obtain current “Fire Hazard Severity Zones” and “Historical Burn Areas.”

Stanislaus County:

- **General Plan**
The Stanislaus County General Plan was adopted by the Board of Supervisors on August 23, 2016. The County proactively addresses hazards through the General Plan Safety Element and has many references to the MJHMP, which is synonymous with the LHMP. Representatives from the work group for the General Plan are also members of the LHMP planning team, ensuring that both plans are integrated. The recent General Plan update and the 2016 Hazard Mitigation Plan work together to achieve the goal of hazard risk reduction. Future updates of the General Plan will continue to be consistent with the LHMP.

The General Plan also includes the Housing Element chapter. The Housing Element is incorporated into the LHMP to identify development trends. The Housing Element was reviewed by the Planning Commission on November 11, 2015, February 18, 2016, and March 3, 2016. The Housing Element was formally approved and adopted by the Stanislaus County Board of Supervisors on April 5, 2016. No development project was proposed as part of the Housing Element Update.

- **Capital Improvement Plan**
Projects included in the Stanislaus County Capital Improvement Plan (CIP) include 44 approved/funded projects, 21 projects pending implementation and 64 future projects/master planned. The projects are evaluated to ensure consistency with the Stanislaus County General Plan. These projects will be individually reviewed in terms of conceptual plan, project schedule and funding plan by the Board of Supervisors before they are implemented. Included in the review by the Board of Supervisors are the concept, scope and cost of the project as well as the appropriate environmental reviews before a project is initiated.

The Stanislaus County Capital Improvement Plan, along with the Capital Project Program, supports the goal of the County to protect critical facilities and infrastructure. The Capital Projects Team is actively working to incorporate LHMP priorities in the CIP development to protect facilities and infrastructure important to the County Areas of repetitive loss are high priorities for mitigation funding as they can negatively affect County coffers.

- **Stanislaus County Emergency Operations Plan**
The Stanislaus County Emergency Operations Plan (EOP) establishes an emergency management organization and assigns functions and tasks consistent with California's Standardized Emergency Management System (SEMS) and the National Incident Management System (NIMS). It provides for the integration and coordination of planning efforts of multiple jurisdictions. This plan was developed utilizing the "whole community" planning process as outlined in FEMA's Comprehensive Preparedness Guide 101, and was reviewed and approved by representatives from each Stanislaus County department as well as members of the Operational Area Council and County/City Disaster Council. The content is based on guidance approved and provided by the State of California and FEMA. The EOP provides direction on how to respond to an emergency from the initial onset, through an extended response, and into the recovery process.

A key element of the update process for this hazard mitigation plan was the annual review of the EOP. The Hazard Mitigation Planning Team remained informed of major review findings of the EOP with the intent to integrate with key components of the hazard mitigation plan. Future updates to the EOP will coincide with the future updates of the Local Hazard Mitigation Plan.

- **Stanislaus County Code, Title 16 Buildings and Construction**
The Stanislaus County Code, Title 16 provides minimum standards to safeguard life, health, property, and the public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location, and maintenance of all buildings and structures within the unincorporated areas of the County.
 - **Chapter 16.50, Flood Damage Prevention**
The purpose of this Chapter is to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas through specific provisions.

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- Chapter 16.55, Fire Code
Addresses requirements, responsibilities, and provisions for the prevention of fires and the spreading of fires as it pertains to structures.
- Stanislaus County Multi-Jurisdictional Hazard Mitigation Plan Updated 2010 – The plan was reviewed to provide a basis for the current update.
- Assessor for parcel data including Use Codes; assessed categories; and values;
- Public Works for current infrastructure list (Bridges, Drainage, Street Lights, and Traffic Lights) and their geographic placement;
- SBT/GIS for numerous base map shape files such as cities, county, parcels, rivers, and roads;
- All relevant plans, codes, and ordinances currently in place such as building codes, zoning ordinances, subdivision ordinances, special purpose ordinances, site plan review requirements, growth management ordinances, economic development plans, and emergency response plans were reviewed.



SECTION FIVE

Risk Assessment

SECTION FIVE - RISK ASSESSMENT

INTRODUCTION

Stanislaus County has identified several hazards that are addressed in the County's previous update. These hazards were identified through a process that utilized input from the various local partners, work groups, Stanislaus County Emergency Operations Plan, the Safety Element of the General Plan, input from the Planning Director, Public Works Director, Public Health Director, Assistant Director of Emergency Services, City governments, researching past disaster proclamations and declarations in the County and public input. Hazards that are unlikely to occur, or for which the risk of damage is accepted as being very low, were eliminated from consideration after review by the Planning Team.

The County's Public Work's Department developed a Geographical Information System (GIS) database that will map the County's infrastructure, critical facilities, and land uses. Initial data from this study was also used to determine those hazards that present the greatest risk. As discussed in Section Four of this plan, stakeholders attended a meeting on April 28, 2016 and were asked to review the hazards discussed in previous plans and to provide input on other hazards that should be considered. After discussion and review of surveys, the decision was to continue with the original hazards identified previously and to include a discussion of climate change implications for each hazard. The hazard areas are:

- Earthquake
- Landslide
- Dam Failure
- Flood
- Wildfire

The Risk Assessment component includes the following subsections for each of the five hazards:

Identifying Hazard - includes a description of the types of all natural hazards;

Profiling Hazard - identifies the location, extent, previous occurrences, new occurrences, and probability of future events;

Assessing Vulnerability: Overview - identifies an overall summary description of vulnerability to each hazard and the impact of each hazard on the jurisdiction. Plans approved after of October 1, 2008, must also address National Flood Insurance Program insured structures that have been repetitively damaged by floods;

Assessing Vulnerability: Identifying Structures/Estimating Potential Losses - includes the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas, and includes estimates of potential dollar losses to vulnerable structures and describes the methodology used to prepare the estimate;

Assessing Vulnerability: Analyzing Development Trends - includes the land uses and development trends;

Impact of Climate Change - identifies the potential impacts to each hazard as discussed within the individual risk assessment; and

Probability Scale – identifies the terms used to define the probability of future events for each hazard.

Highly Likely	Occurring every 1 to 10 years
Likely	Occurring every 10 – 50 years
Unlikely	Occurring more than 50 years

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RISK ASSESSMENT

Earthquake

EARTHQUAKE HAZARD

Identifying Hazard

The State of California is particularly vulnerable to earthquakes due to its location between two tectonic plates, the North American Plate and the Pacific Plate. Historically, earthquakes within the State have proven extremely destructive. Earthquakes usually occur without warning and, after just a few seconds, can cause massive damage and extensive casualties. The most common effect of earthquakes is ground motion, usually felt as shaking and vibrations. The severity of the ground motion generally increases with the amount of energy released and decreases with distance from the fault or epicenter of the earthquake. Earthquakes are usually measured in terms of magnitude and intensity.

Profiling Hazard

NATURAL HAZARD	HOW IDENTIFIED	WHY IDENTIFIED
EARTHQUAKE	<ul style="list-style-type: none"> • County General Plan • County Emergency Operations Plan • Input from Planning Director • Input from Public Works Director • Input from LHMP Planning Team • Risk Assessments • Feedback from LHMP partners 	<ul style="list-style-type: none"> • Previous occurrences • Potential to cause harm

LOCATION

There are several faults known to exist within Stanislaus County. In the extreme eastern parts of the County, the Bear Mountain and Melones faults are found, though both are believed to have been inactive for the past 150 million years. No faults are currently known to exist within the valley portion of the County. Within the Diablo Range, the most recent movements were along the Tesla-Ortogonalita fault approximately five million years ago.

EXTENT

Since 1930, one earthquake epicenter of a magnitude greater than 4.0 on the Richter Scale was recorded within Stanislaus County. On June 27, 1986, an earthquake with a magnitude of 3.7 on the Richter Scale occurred with an epicenter several miles west of Crows Landing.

Numerous earthquakes occur each year along California's major faults. The active faults that may have the most potential impact on Stanislaus County include the San Andreas, Calaveras, and Hayward. The western region of Stanislaus County experiences a higher level of earthquake hazard than the eastern portion of the County. According to the California Geological Survey Map Areas Damaged by Earthquakes (1800-2007), except for the extreme eastern portion of Stanislaus that borders Santa Clara County, there have been zero occurrences of earthquake damage for Stanislaus County within the 207 year time period. Over that period, there have been two occurrences of damage in that eastern portion of the County. Stanislaus County has zero declared disasters for earthquake since 1950.

PROBABILITY OF FUTURE EVENTS

Although Stanislaus County is not known for its seismic activity, all of California is at high risk for earthquakes and it is imperative that we plan for a potential earthquake disaster. While there are no known active faults within Stanislaus County, there are faults on the western and eastern edges of the County. The western section of the County border is nearer to the Calaveras and Hayward faults that run through neighboring Santa Clara County.

Stanislaus County is not expected to be an epicenter for a major earthquake but damage could result from shaking and aftershocks in other areas. The United States Geological Survey database indicates there is an 80.62% chance of a major 5.0 earthquake within 50km (31 miles) of Stanislaus County within the next 50 years. The probability of an earthquake impacting Stanislaus County is likely.

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Information furnished by the State Department of Mines and Geology and the California Governor's Office of Emergency Services indicate that potential ground shaking can produce damage within the County to reach varying intensities as rated on the Modified Mercalli Intensity (MMI) Scale of 1931. Per the Modified Mercalli Intensity Scale, the eastern half can expect to have shaking to an intensity of a VI or VII. This range of shaking may be felt by all with some negligible building damage to buildings of good design and construction. Older buildings or poorly designed structures would suffer considerable damage. The western half of the County can expect to receive shaking to an intensity of VII to VIII Mercalli, which is more intense shaking with damage to ordinary structures and potential building collapse. The area around Newman may have shaking intensity of IX or X which results in considerable damage and may be judged a major hazard.

The following is an abbreviated description of the levels of Modified Mercalli intensity.

Intensity	Shaking	Description/Damage
I	Not felt	Not felt except by a very few under especially favorable conditions.
II	Weak	Felt only by a few persons at rest, especially on upper floors of buildings.
III	Weak	Felt quite noticeably by persons indoors, especially on upper floors of buildings. Many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. Duration estimated.
IV	Light	Felt indoors by many, outdoors by few during the day. At night, some awakened. Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. Standing motor cars rocked noticeably.
V	Moderate	Felt by nearly everyone; many awakened. Some dishes, windows broken. Unstable objects overturned. Pendulum clocks may stop.
VI	Strong	Felt by all, many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight.
VII	Very strong	Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly built or badly designed structures; some chimneys broken.
VIII	Severe	Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned.
IX	Violent	Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations.
X	Extreme	Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations. Rails bent.

Abridged from The Severity of an Earthquake, a U. S. Geological Survey General Interest Publication.

NEW OCCURRENCES

There have been no new occurrences since the County's original LHMP was adopted on January 12, 2006.

Assessing Vulnerability: Overview

Although no known active faults are identified within Stanislaus County, its proximity to the Calaveras, Hayward and San Andreas faults on the western side of the County increases its vulnerability to earthquakes. The Earthquake Shaking Potential for California (2008) map developed by the California Geological Survey and United States Geological Survey emphasizes the vulnerability of Stanislaus County on the western side including the Interstate 5 corridor. This information is reflected in the County map included in the LHMP for the earthquake hazard. The cities of Patterson and Newman are near Interstate 5. According to the map, this region is near major or active faults and will experience on average stronger earthquake shaking. Migrating east from the Interstate 5 corridor the earthquake hazard level decreases. The map indicates this region is distant from known, active faults and will experience lower levels of shaking less frequently.

Structures and populations along the Interstate 5 corridor and within the Diablo Range are most vulnerable to damage. All populations are vulnerable to impacts of any earthquake. However, the area of the county identified for the most intense shaking is the least populated. The most vulnerable populations are those that live in older homes. The structures in place prior to 1976 are considered most vulnerable due to less strict building codes.

Stanislaus County is home to several reservoirs including Modesto, Woodward and Turlock. A secondary effect of an earthquake can include a seiche. A seiche is an earthquake-induced wave. Seiches impact enclosed or partially enclosed bodies of water including reservoirs and swimming pools. The most severe hazard would exist if a seiche occurred while many people were using a reservoir for recreation.

Earthquakes can result in other secondary impacts that may include dam failure, landslides and wildfires. These hazards are discussed in separate sections of this plan.

VULNERABILITY IMPACTS

The combined population of the cities of Patterson and Newman (31,847) are located near major or active faults.

Structures built prior to 1976 are most vulnerable due to less strict building codes.

Interstate 5 is a main transportation route for California. Economic impacts would affect the County and the State.

The County Library, Public Works Patterson Yard, Fink Road Landfill and Waste-to – Energy plant and privately-owned major distribution centers are located near I-5. Job loss, revenue loss and environmental hazards may result.

There is no hospital in the area, however, schools, police, fire stations and medical care facilities could be at risk.

Assessing Vulnerability: Identifying Structures/Estimating Potential Losses

The vast majority of the County occupied space is within the highest population density along the State Route 99 corridor in Salida, Modesto, Ceres and Turlock. This area is located within a shaking intensity zone of 21-30% gravity spectral acceleration. Of most critical concern is County operated facilities located in the area of greatest probabilistic shaking potential (41-50%) gravity on the western side of the County, located in Patterson and west of Crows Landing. Of the facilities located in Patterson, the County Library and Public Works Patterson Yard are owned and the Women Infants and Children (WIC) is leased. The County's Fink Road Landfill is also located in this area. The landfill is collocated with a waste-to-energy facility and could be of critical use in situations where safe disposal is required after emergency events.

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Interstate 5 runs along the western edge of the county. If Interstate 5 is damaged in an earthquake, there may be economic repercussions for local and state economies as Interstate 5 is a major transportation thoroughfare. The Interstate is maintained by the State of California.

All property within Stanislaus County is subject to the effect of seismic activity. Structures built prior to 1976 are most vulnerable. Hazard maps show the probabilistic shaking potential of populated lands within Stanislaus County at a spectral acceleration one second period of up to 50% the force of gravity. The map delineates five zones in 10% increments of shaking intensity, with the greatest intensity along the western-most edge of the valley floor near the Interstate 5 corridor. Probabilistic ground shaking intensity is shown on each map by colored zone, keyed to the legend. The following table illustrates the housing and population expected to be impacted at various shaking potential. The data provides a detailed identification of the number of housing units and population within each seismic risk increment by jurisdiction for unincorporated Stanislaus County and the incorporated nine cities within the County. The table also shows the number and total value of existing County owned or leased parcels impacted at each level.

Probabilistic Shaking Potential (Spectral acceleration: 1 second period)	Number of Housing Units	Population	County Parcels, Structures and Content (Owned or leased)	Value of County owned Structures
5%	54	70	1	19,330,029
15%	16,693	48,905	4	2,671,914
25%	134,257	419,703	83	528,437,232
35%	7,998	23,384	5	8,758,659
45%	6,456	20,434	4	2,995,409

The Recommended Proposed Stanislaus County Capital Improvement Plan (CIP) for fiscal years 2015-2017 identifies several projects that would be impacted during an earthquake. The projects expand existing facilities and parcels already identified in the table above. There are six projects in the 25% probabilistic shaking potential for a total value of \$212,700,000. There are two projects identified in the 35% probabilistic shaking potential area for a total of \$2,365,000. Stanislaus County has identified eight bridges for seismic bridge replacement within the (CIP) totaling \$129,088,192.

Assessing Vulnerability: Analyzing Development Trends

There has been limited development in the Diablo Grande. Diablo Grande is located seven miles west of I-5. The development was approved by the Board of Supervisors in 1993 for 5,000 residences. As a result of the economic turn down in 2008, build out of the residential area was stalled. There are currently 425 occupied residences and building is projected to continue over the next few years. Aside from the limited development in the area of Diablo Grande, there has been no significant change in development in the unincorporated areas impacted by earthquake within Stanislaus County since the last LHMP update.

Most development is occurring on the valley floor within cities or within spheres of influence in cities. Very little development is taking place in the agricultural areas. There is minimal growth within the unincorporated areas of the County. According to the LAFCO Municipal Service Review only minor infill growth is anticipated for the unincorporated area on the west side of the County including Grayson and Westley.

Stanislaus County has initiated the development of the 1,528 acre former Crows Landing Airfield. The California Environmental Quality Act (CEQA) review is in process for the Crows Landing Industrial Business Park. The timeline for construction of new buildings is unknown but may be initiated within the

SECTION FIVE

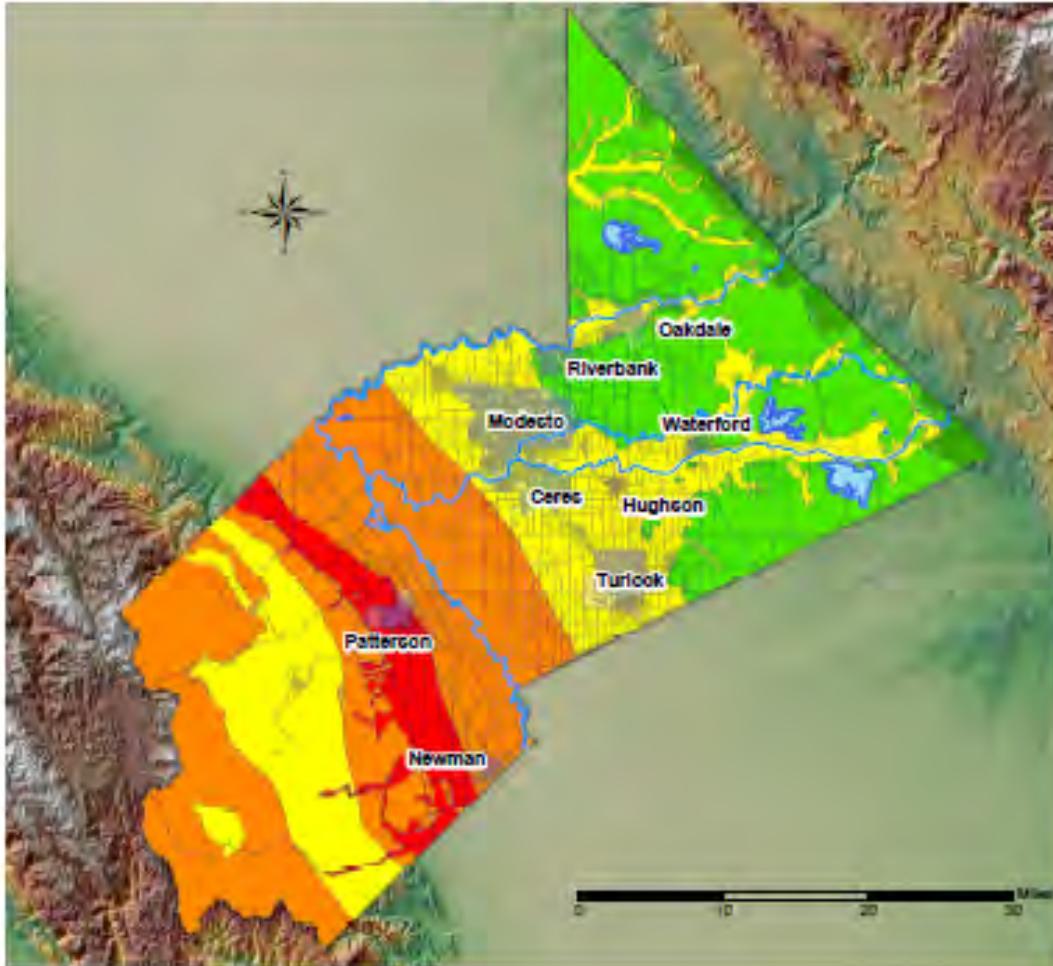
next five years. However, all new buildings within Stanislaus County are constructed to prevent loss of life as a result of an earthquake and will meet current building codes.

The General Plan provides for diverse land use needs by designating patterns that are responsive to the physical characteristics of the land. The Planning and Community Development Department has a policy that urban development shall be prohibited in geological fault areas unless measures to mitigate the problem are included as part of the development application. The County enforces the provisions of the Alquist-Priolo Earthquake Fault Zoning Act that limits development in areas identified as having special seismic hazards. Construction is prohibited without a geologic study.

Impact of Climate Change

The impact of climate change on earthquakes is unclear. There are some articles that claim climate change and drought, resulting from climate change, may increase the likelihood of earthquakes, but there seems to be no consensus within the scientific community.

2016 Stanislaus County -- Earthquake Hazard



Map Legend:

- Rivers
- Lakes
- Roads

Shaking
Peak Ground Acceleration

0.45 G's	
0.35 G's	
0.25 G's	
0.15 G's	
0.05 G's	



RISK ASSESSMENT

Landslide

LANDSLIDE HAZARD

Identifying Hazard

According to the USGS National Landslide Information Center (NLIC), the term “landslide” is defined as the movement of a mass of rock, debris, or earth down a slope. The force of gravity acting upon a steep (or sometimes, even a moderately steep) slope is the primary cause of a landslide. Slope failure occurs when the force of gravity pulling the slope downward exceeds the strength of the earth materials that comprise the slope to hold it in place. In addition to the force of gravity, other contributing factors to landslides can include rainfall, earthquakes, changes in groundwater, and human-induced modifications to existing slopes. The potential for a landslide to occur exists in every state wherever very weak or fractured materials are resting on a moderate to steep slope.

The severity of a landslide depends in large part on the degree of development in the area in which it occurs and the geographic area of slide itself. Generally speaking, landslides often result in devastating consequences, but in very localized areas. A landslide occurring in an undeveloped area would be less severe because lives and property would not be affected; the only impacts would be to land, vegetation, and possibly some wildlife. On the contrary, a landslide occurring in a developed area could have devastating effects, ranging from structure and infrastructure damage to injury and/or loss of life. Structures or infrastructure built on susceptible land would likely collapse as their footings slide downhill, while those below the land failure would likely be crushed. Landslides in the area of roadways could have the potential to fall and damage or destroy vehicles, and force other drivers to have accidents.

Profiling Hazard

NATURAL HAZARD	HOW IDENTIFIED	WHY IDENTIFIED
LANDSLIDE	<ul style="list-style-type: none"> • California proclaimed State of Emergency • County General Plan Safety Element • County Emergency Operations Plan • Input from Planning Director • Input from Public Works Director • Input from LHMP Planning Team • Risk Assessments • Feedback from LHMP partners 	<ul style="list-style-type: none"> • Previous and potential occurrences

LOCATION

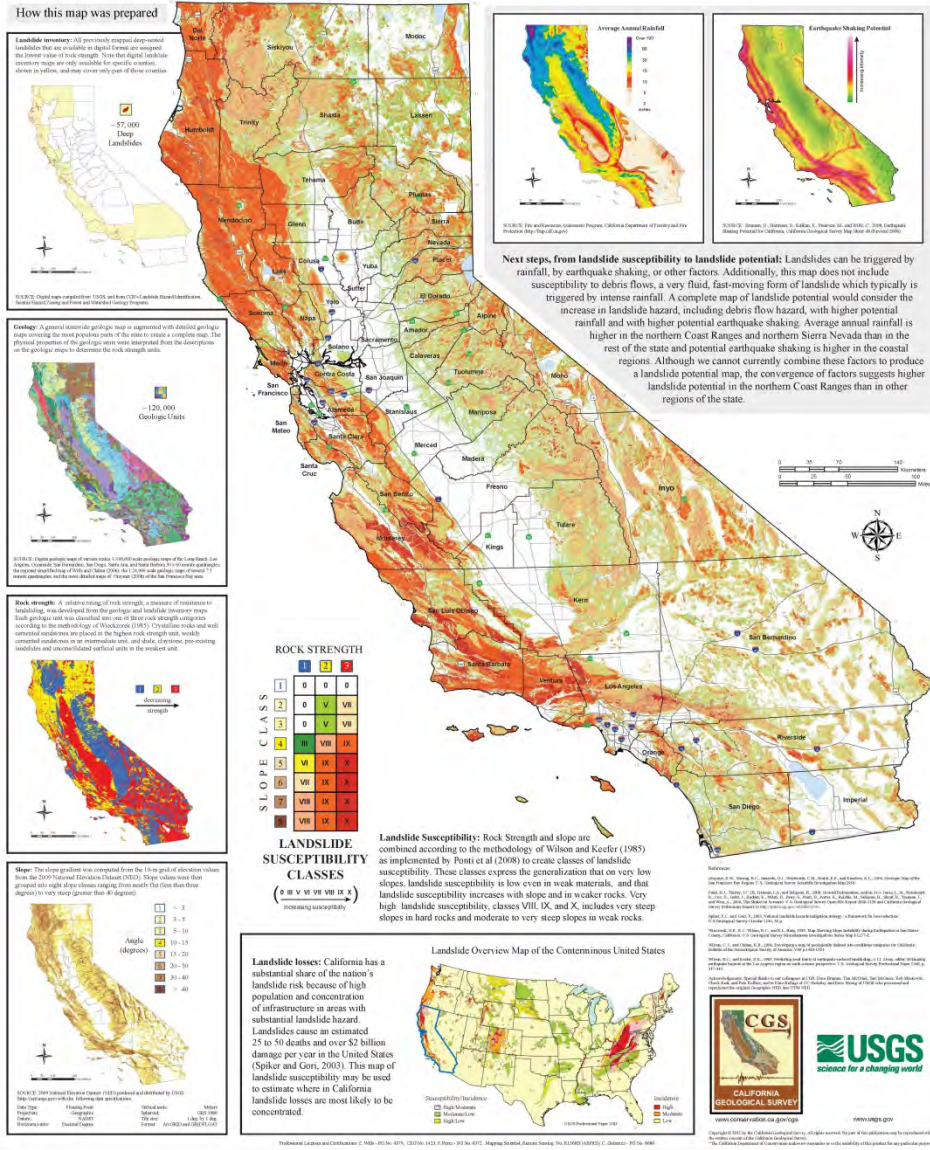
Hazards due to landslide events are mostly limited to areas within the foothills at the western and eastern edges of Stanislaus County. The western edge of the County is part of the Diablo Range which stretches almost 200 miles along the west side of the Central Valley, running parallel to the Pacific Ocean. Virtually the entire area located west of Interstate 5 is composed of geological formations that, due to structure, slope, runoff, lack of vegetation, earthquake and human activity, are considered extremely susceptible to failure and sliding. The eastern edge of the County touches the Sierra Nevada mountain range. The west-facing slope of the Sierra Nevada range has a series of streams whose waters ultimately reach the Pacific Ocean. It is along these areas and other locally identified specific river bluff regions near rivers and streams that are susceptible to landslide, though occurrences are few. Those areas near rivers and streams are subject to natural erosion, although erosion activity may be increased during flood events.

Susceptibility to Deep-Seated Landslides in California

2011

C. J. Wills, F. G. Perez and C. I. Gutierrez

This map shows the relative likelihood of deep landsliding based on regional estimates of rock strength and steepness of slopes. On the most basic level, weak rocks and steep slopes are more likely to generate landslides. The map uses detailed information on the location of past landslides, the location and relative strength of rock units, and steepness of slope in a methodology developed by Wilson and Keefer (1985). The result shows the distribution of one very important component of landslide hazard. It is intended to provide infrastructure owners, emergency planners and the public with a general overview of where landslides are more likely. The map does not include information on landslide triggering events, such as rainstorms or earthquake shaking, nor does it address susceptibility to shallow landslides such as debris flows. This map is not appropriate for evaluation of landslide potential at any specific site.



EXTENT

Developed for the 2013 State of California Multi-Hazard Mitigation Plan, the above California Geological Survey map shows the relative likelihood of deep landsliding based on regional estimates of rock strength and steepness of slopes. The map uses detailed information on the location of past landslides, the location and relative strength of rock units, and steepness of slope in a methodology developed by Wilson and Keefer (1985) as implemented by Ponti et al (2008) to create classes of landslide susceptibility. These classes express the generalization that on very low slopes, landslide susceptibility is low even in weak materials, and that landslide susceptibility increases with slope and in weaker rocks. The convergence of factors suggests a low landslide potential in most of Stanislaus County due to the very low slopes. There are areas on the west side where the potential increases due to increase in slope.

SECTION FIVE

Landslides are often triggered by other natural hazards such as earthquakes, heavy rain, flood or wildfires. Landslide frequency is often related to the frequency of these other hazards. In Stanislaus County, landslides typically occur during and after major storms so the potential for landslides largely coincides with the potential for sequential severe storms that saturate steep, vulnerable soils. In the winter of 1982-1983, saturation of the soil in the Diablo Range area resulted in a considerable amount of damage to Del Puerto Canyon Road. During the winter storms of 1997, Del Puerto Canyon Road experienced an approximately .10 mile landslide consisting of mud, rocks and boulders. One lane was closed for repair 2-3 months while the other lane stayed open to traffic. This caused minor traffic delays since the road is not a major thoroughfare. These types of landslides are typical for this area following storms due to vertical cuts for roadways without sufficient sloping for run-off.

PROBABILITY OF FUTURE EVENTS

It is evident that the steep slopes and undesirable geology of the area on the west side of the County, even without considering the possibility of an earthquake, present risks in certain conditions. It is common for minor incidents requiring some debris clearing of Del Puerto Canyon Road to occur on average of 5-12 times a year. On the east side of the County there are frequent landslides on Hwy 132 along the river bluffs. These landslides are usually due to rain and occur during or within days after a storm. Based on these past events, landslides are highly likely to continue to impact the Diablo Range and areas on Hwy 132.

NEW OCCURRENCES

A significant rain event in January 2016 required one lane closure of Del Puerto Canyon Road which caused minimum impact to traffic. The most recent storms of January 2017 created landslides across Del Puerto Canyon Road ranging from 3 feet to 40 feet in size. These slides consist of mud, rocks and boulders and caused minor traffic delays. Clean up was completed within 1-2 hours and the road was fully open for traffic. Also during the January 2017 storms, two landslides occurred on Highway 132 approximately 1 mile from La Grange Road. The landslide consisted of rocks and boulders and closed one lane for about 3 hours while Caltrans removed the debris. The slides were 10 to 15 feet on the roadway.

Assessing Vulnerability: Overview

The California Geological Survey (CGS) uses three factors that most determine susceptibility of landslide: prior failure, rock or soil strength, and steepness of slope. Landslides can also be triggered by rainfall, earthquake shaking, or other factors. The unstable formation comprising the underlying geologic structure of the Diablo Range makes this area of Stanislaus County more vulnerable to landslides and its effects.

Stanislaus County took into account the following when updating our vulnerability assessment:

- a. Updates to inventories of existing structures in hazard areas, including new development, and redeveloped areas or structures;
- b. Potential impacts of future land development, including areas that may be annexed in the future;
- c. New buildings; and
- d. Completed mitigation actions that reduced overall vulnerability.

VULNERABILITY IMPACTS

Roads in the Diablo Range are at greatest risk.

Debris removal on Del Puerto Canyon Road averages 5 to 12 times per year with 1-2 hour cleanup and very little impact to traffic.

The area is sparsely populated. There are currently 425 occupied residences.

No critical County buildings are located in the area.

Economic impacts would be minimum due to lack of population and buildings.



SECTION FIVE

Impacts in the Diablo Range, specifically Del Puerto Canyon Road, are limited. Del Puerto Canyon Road is not a major thoroughfare and the area is sparsely populated. Debris clearing of the road occurs an average of 5 to 12 times per year. Lane closure is less frequent. Stanislaus County Public Works maintains the road and within 1-2 hours debris is cleared with little to no impact to traffic. Staffing and equipment needs to clear the landslide are minimal. The few structures and population within the Diablo Range are most vulnerable to damage due to landslides. There are no critical buildings in the area. The area is sparsely populated and landslide. The impacts of landslides on the population have been minimal due to the short duration of road closure during debris removal. The landslides experienced on Hwy 132 are also limited occurring due to rain and during or within days after a storm. These happen along the river bluff and there are no critical structures in the area. Roadways may be blocked causing traffic delays.

Assessing Vulnerability: Identifying Structures and Estimating Potential Losses

No County occupied buildings other than non-critical "out" structures are located at sites having a landslide risk. County infrastructure (roads, utilities, drainage, and bridge structures) may be subject to landslide hazards; however, most landslide threats are limited in scale to a specific point.

Several State highways traverse cuts through hillsides or along river bluffs where landslide hazards may pose a risk, including State Routes 4, 108, 120, 132, 219 and Interstate 5. County roads at risk include

COUNTY ROADS AT RISK	
Ingram Creek Road	Roberts Ferry Road
Del Puerto Canyon Road	Lake Road
Diablo Grande Parkway	Warnerville Road
Orestimba Road	Crabtree Road
Crows Landing Road-at San Joaquin River	La Grange Road
South Carpenter Road	Cooperstown Road
Grayson Road (at San Joaquin River)	Los Cerritos Road
Paradise Road (at San Joaquin River)	River Road (Ceres area)
Shiloh Road (at Tuolumne River)	Mitchell Road (at Tuolumne River)
Santa Fe Avenue	Hills Ferry Road
Geer/Albers Roads	

While no critical County-occupied facilities are exposed to the landslide hazard, infrastructure may be impacted. Roads in the Diablo Grande area are prone to mass movement hazards. Access to these roads is crucial to life-safety after a disaster event and to response and recovery operations. Landslides can block egress and ingress causing isolation for residents and responders.

Assessing Vulnerability: Analyzing Development Trends

There has been limited development in the Diablo Grande area. Diablo Grande is located seven miles west of I-5. The development was approved by the Board of Supervisors in 1993 for 5,000 residences. As a result of the economic turn down in 2008, build out of the residential area was stalled. There are currently 425 occupied residences and building is projected to continue over the next few years. Aside from the limited development in the Diablo Grande area, there has been no significant change in development in the unincorporated areas impacted by landslide within Stanislaus County since the last LHMP update.

Construction is possible west of Interstate 5, but any proposals for significant development (anything other than the currently permitted two dwellings for every 160 acres), should include a geological report identifying potential problems and mitigation measures to be incorporated into the development plan.

The County shall utilize the California Environmental Quality Act (CEQA) process to ensure that development does not occur that would be especially susceptible to landslides. Most discretionary projects require review for compliance with CEQA. As part of this review, potential impacts must be identified and mitigated or a statement of overriding concerns adopted.

The routes of new public roads in areas subject to landslides shall be designed to minimize landslide risks. Engineered benchmarks will be utilized to monitor movement of slopes in order to stabilize and mitigate the hazard before it occurs, if possible. Road-clearing and debris equipment will be pre-staged to make response time faster to maintain accessibility to roads and infrastructure. Improved mapping and data collection will assist in identifying needed mitigation strategies for the future.

Impact of Climate Change

Climate change may impact storm patterns in California, increasing the probability of more frequent, intense storms with varying duration. Increase in global temperature could affect the snowpack and its ability to hold and store water. Warming temperatures also could increase the occurrence and duration of droughts, which would increase the probability of wildfire, reducing the vegetation that helps to support steep slopes. Tree mortality resulting from drought, pests or any other threat could also pose an increase to landslides. Currently, Stanislaus County is not experiencing tree mortality as severe as other areas of California due to the drought and bark beetle. However, any future loss of trees would reduce the protection of steep slopes and thereby increase the probability for landslide occurrences.

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RISK ASSESSMENT

Dam Failure

DAM FAILURE HAZARD

Identifying Hazard

Dam failure is the breakdown, collapse or other failure of a dam structure characterized by the uncontrolled release of impounded water that results in downstream flooding. In the event of a dam failure, the energy of the water stored behind even a small dam is capable of causing loss of life and severe property damage if development exists downstream. An uncontrolled breach is the unintentional discharge from the impounded water body and is considered a failure. Dam failure can result from natural events or human-induced events. Natural occurrences that may cause dam failure include floods, earthquakes and landslides. Dams have received more attention recently in the emergency management community as a potential target for terrorist acts.



Dam failure presents a significant potential for disaster, because there would be considerable loss of life and property in addition to the possible loss of power and water resources. The most common cause of dam failure is prolonged rainfall that produces flooding. Failures due to other natural events such as earthquakes or landslides are significant because there is little advance warning. The best way to mitigate dam failure is through the proper construction, inspection, maintenance, and operation of the dam.

Profiling Hazard

NATURAL HAZARD	HOW IDENTIFIED	WHY IDENTIFIED
DAM FAILURE	<ul style="list-style-type: none"> • County General Plan Safety Element • County Emergency Operations Plan • Emergency Action Plans (EAPs) for dams • Input from LHMP Planning Team • Feedback from LHMP Partners 	<ul style="list-style-type: none"> • Potential to cause devastation.

LOCATION

Three major dams have a direct effect on Stanislaus County: Don Pedro, New Melones and New Exchequer.

Don Pedro Dam is located in Tuolumne County on the upper Tuolumne River. It has a gross pool capacity of 2,030,000 acre feet and is operated jointly by the Modesto and Turlock Irrigation Districts and the City of San Francisco. Below Don Pedro, the Tuolumne River feeds into the LaGrange Dam. It is situated on the Tuolumne River just above the town of LaGrange and operated by the Modesto and Turlock Irrigation Districts. The Tuolumne River flows through populated areas of the County including the cities of Waterford and Modesto.

SECTION FIVE

New Melones Dam, located in both Tuolumne and Calaveras Counties, is located on the Stanislaus River and operated by the U.S. Bureau of Reclamation. Gross pool capacity of New Melones is 2,420,000 acre feet. The Stanislaus River flows through the cities of Oakdale, Riverbank and Modesto.

New Exchequer Dam is on the Merced River in Central California. The Merced River feeds into the San Joaquin River which flows through the western side of Stanislaus County. Releases from New Exchequer Dam impact the flows on the San Joaquin River and can threaten the cities of Newman and Patterson.

EXTENT

A severe storm, earthquake or erosion of the embankment and foundation leakage may cause the collapse and structural failure of dams in or adjacent to Stanislaus County. Seismic activity may also cause inundation by the action of a seismically induced wave that overtops the dam without causing failure of the dam, but significant flooding downstream. Landslides flowing into lakes and reservoirs may also cause dams to fail or overtop.

A catastrophic failure of the Don Pedro Dam is assumed to be followed by the failure of the La Grange Dam located approximately 2.5 miles downstream. Inundation modeling provided by the Turlock Irrigation District for the Don Pedro Hydroelectric Project Emergency Action Plan, indicates that maximum water level elevation in some areas could reach 111.4 to 113.3 feet above sea level. Flooded areas would extend beyond the borders of Stanislaus County, roughly 153 river miles from the Don Pedro Dam to Mandeville Island in San Joaquin County. Flooded areas in Stanislaus County could see 11 to 13 feet of water in as little as 8 hours and 53 minutes depending on ground level elevation.

Inundation modeling provided by the U.S. Bureau of Reclamation for the Emergency Action Plan for Central California Area Office Facilities, indicates a catastrophic failure of the New Melones Dam could impact waterways and areas in Stanislaus County within 5 miles of the Stanislaus River with a water depth in excess of 5 meters in less than 10 hours. Flood waters would extend beyond the borders of Stanislaus County, reaching as far as San Joaquin and Sacramento Counties.

Inundation modeling provided by the Merced Irrigation District for the New Exchequer and McSwain Dams Emergency Action Plan, indicates that following a catastrophic failure of the Exchequer Dam, the section of the San Joaquin River that runs through Stanislaus County could experience river level rise in excess of 20 feet above normal water level elevation in less than 7 hours.

The inundation map on page 60 in this section, illustrates the maximum probable flood areas that could occur following the catastrophic failure of the Don Pedro, New Melones, and Exchequer Dams.

PROBABILITY OF FUTURE EVENTS

There have been no previous occurrences. The probability of dam failure is not likely. Dams are regulated and inspected by either the State of California's Division of Safety of Dams or the Federal Energy Regulatory Commission (FERC) or both with follow up written inspection reports. There have been no findings that would raise concern for a potential dam failure.

VULNERABILITY IMPACTS

Catastrophic failure of Don Pedro, New Melones or New Exchequer dams would have severe consequences.

Loss of life could result due to insufficient time to warn people who live downstream.

Major transportation routes and critical infrastructure would be affected causing business disruption and economic loss.

Agriculture losses would occur and affect production.

A majority of the population of Stanislaus County would be significantly impacted including County facilities, hospitals, schools, fire and police stations, and health-care services.

Historical buildings located throughout the County could be at risk.

NEW OCCURRENCES

There have been no new occurrences since the County's original MJHMP plan was originally adopted on January 12, 2006.

Assessing Vulnerability: Overview

The catastrophic failure of Don Pedro, New Melones or New Exchequer dams would have severe consequences resulting in injuries, loss of life, limited transportation routes, and decrease in vital utilities. Additionally, because of Stanislaus County's strong agricultural influences, significant downstream property damage and the loss of domestic and farm production animals are a major concern.

There are a number of smaller dams, both in and out of the County on the east and west sides, which could produce flooding should they fail. Although the incident would have severe impacts, the likelihood of such an occurrence is remote. The Federal Energy Regulatory Commission (FERC) requires dam operators to prepare comprehensive emergency action plans (EAP) in case of a failure. These EAPs include inundation maps whose information is used for the maps provided in this plan. FERC also requires annual training and exercises for each individual plan. Stanislaus County maintains copies of the dam emergency action plans at its Emergency Operations Center and participates in exercises with the dam operators. In partnership with the dam operators, Stanislaus County has identified the vulnerable areas specific to dam inundation.

Vulnerable populations are downstream from a potential dam failure. The populations most vulnerable are those that have the least time to evacuate and need assistance. Populations that may need assistance to evacuate include the elderly, disabled and young. The vulnerable population also includes those who may not have adequate warning to evacuation from emergency notification systems. The loss of life is impacted by the amount of early warning time first responders and the public has prior to the incident.

Assessing Vulnerability: Identifying Structures and Estimating Potential Losses

In the unlikely event of a complete dam failure, the majority of the populated areas within Stanislaus County are impacted. Specifically, those areas along the Stanislaus, Tuolumne and San Joaquin Rivers will see major flooding and damage. Inundation due to dam failure within the San Joaquin Valley is a low-probability but high-risk hazard. The potential risk for inundation of property is present in nearly all of the developed areas of Stanislaus County; however, catastrophic failure or flood release of water from multiple dams at a single point in time is considered to be extremely unlikely.

If dam failure occurred, the impacts to the local economy and infrastructure would be severe. Impacts to cities would affect key infrastructure including hospitals, fire stations, clinics, and businesses. Economic impacts in the unincorporated areas of the county would include the agriculture industry. According to the 2015 Stanislaus County Agriculture Report, the value of agricultural commodities produced in Stanislaus County was \$3.8 billion.

SECTION FIVE

The following table illustrates the populations and households that will be impact by a failure for each of the major dams that may impact Stanislaus County.

POPULATION AND PROPERTY VALUE ANALYSIS BY DAM		
Name of Dam	Population	Property Values
Don Pedro	59,554	1,453,719,334
New Exchequer	6,291	418,354,184
New Melones	226,789	5,687,785,473
Pine Flat	2,356	136,191,252
San Luis	16,062	603,060,314
Tulloch	31,194	767,527,511

The table below shows a breakdown the number of existing and future County facilities and the total value by dam. The total value includes buildings and content. In the event of a dam failure it is anticipated that the facilities would be negatively impacted. Key facilities include law enforcement stations, jails, health and the County administration building.

EXISTING AND FUTURE COUNTY FACILITIES TOTAL VALUE BY DAM				
Name of Dam	Existing Facilities	Value	Future Facilities	Value
Don Pedro	21	9,342,767	0	0
New Exchequer	21	5,672,586	2	7,500,000
New Melones	73	303,933,135	1	24,000,000
Pine Flat	22	7,386,424	2	7,500,000
San Luis	22	7,386,424	2	7,500,000
Tulloch	3	2,432,991	0	0

SECTION FIVE

Bridges that may be damaged by a dam failure and their value are included below:

COUNTY BRIDGES BY DAM		
Name of Dam	# of Bridges	Value
Don Pedro	42	152,253,027
New Exchequer	16	114,846,804
New Melones	42	124,724,934
Pine Flat	9	23,747,042
San Luis	15	29,253,889
Tulloch	12	24,030,355

Assessing Vulnerability: Analyzing Development Trends

The Stanislaus County Board of Supervisors has maintained support for the preservation of agricultural resources through the adoption of the Agricultural Element of the General Plan. This policy has minimized “leap frog” development and the resulting conflict with agricultural uses throughout Stanislaus County. The Board has also encouraged the development of “infill” areas within existing communities as a priority over expansion into existing agricultural lands.

There has been no significant change in development in the unincorporated areas impacted by dam failure within Stanislaus County since the last LHMP update. The proposed industrial development of the Crows Landing Airfield on the western side of the County along Interstate 5 would be impacted by inundation caused by failure of the San Luis Dam and Exchequer Dam. The Crows Landing Industrial Business Park is currently in the CEQA process and no firm date for development has been identified.

Impact of Climate Change

An article published by researchers D. E. Rheinheimer and J.H. Viers from the University of California at Davis discusses the effects of climate change on reservoir operations. The article is titled *Combined Effects of Reservoir Operations and Climate Warming on the Flow Regime of Hydropower Bypass Reaches of California’s Sierra Nevada*. This article and others implies that climate change will impact the traditional operation measures and flow regimes used for dams as river conditions and water levels are fluctuating. Climate change may increase drought which lessens the water available or may produce intense sudden storms. Reservoir operators may need to change operations to mitigate the impact of climate change on rivers and the ecosystem.

2016 Stanislaus County -- Dam Inundation Hazard



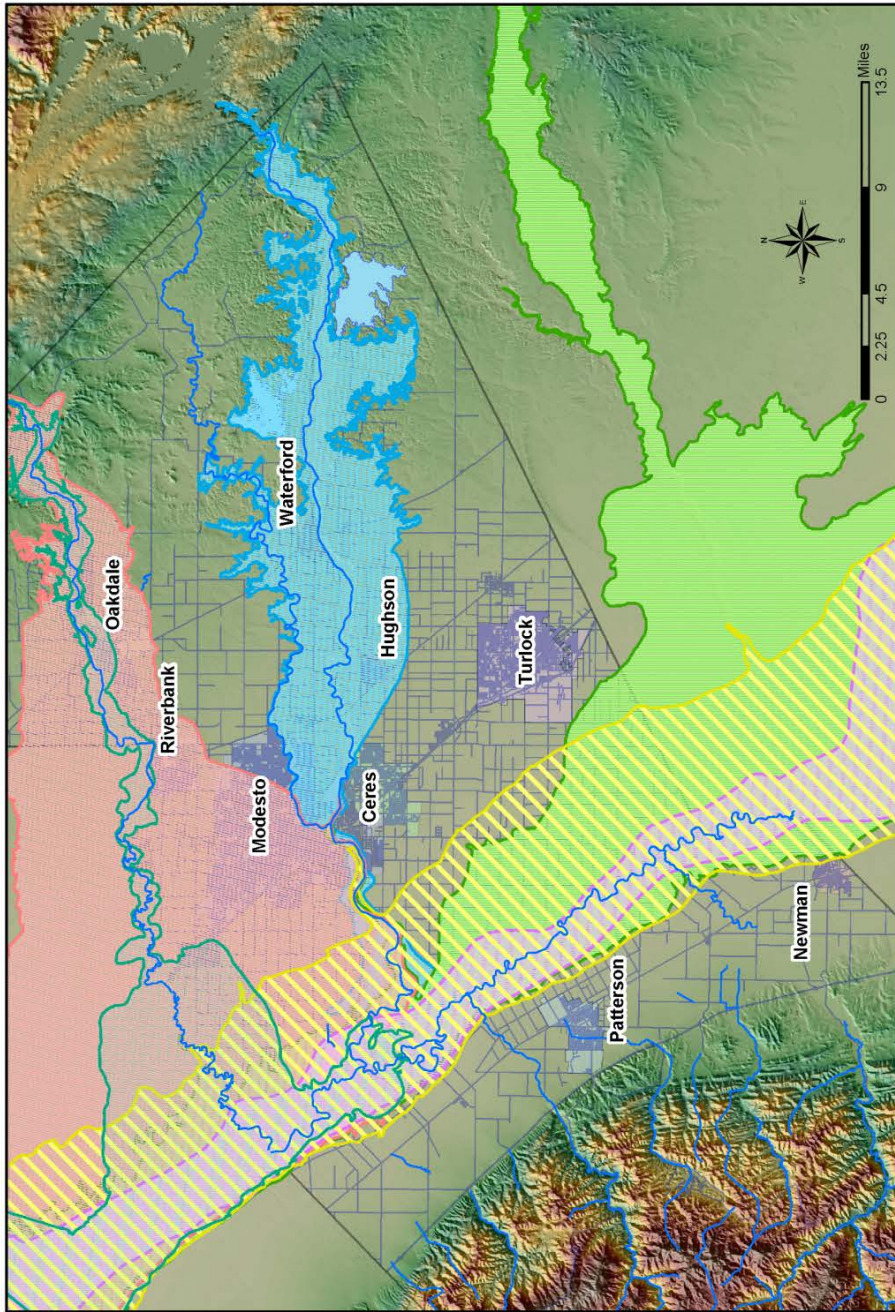
Map Legend:

- Lakes
- Rivers
- Roads

Dam Inundation Areas

Dam Name	Color/Pattern
Don Pedro	Light Blue
Exchequer	Light Green
New Melones	Light Purple
San Luis	Light Yellow
Pine Flat	Light Purple
Tulloch	Light Green

Map displays Stanislaus County with Dam Inundation Areas of regional dams.





RISK ASSESSMENT

Flood

FLOOD HAZARD

Identifying Hazard

A flood is the temporary inundation of water or mud on normally dry land. Heavy or prolonged rain or dam collapse can cause inundation, as can flash floods. Urban flooding occurs in developed areas where the amount of water generated from rainfall and runoff exceeds the storm water systems' capacity. As land is converted from agricultural to urban uses, it often loses its ability to absorb rainfall. Rain flows over impervious surfaces such as concrete and asphalt and into nearby storm sewers and streams. This runoff can result in the rapid rise of floodwaters. During urban floods, streets can become inundated, and storm drains often back up because of the volume of water and become blocked by vegetative debris like yard waste, which can cause additional flooding. Development in or near the floodplain puts lives and property at risk. Flood damage can include: structure inundation, erosion of stream banks, road embankments, foundations footings for bridges, impact damage from debris, blockage of infrastructure, cropland destruction, sewage releases from damaged tanks, and economic loss to agriculture.



Profiling Hazard

NATURAL HAZARD	HOW IDENTIFIED	WHY IDENTIFIED
FLOOD	<ul style="list-style-type: none"> • County General Plan Safety Element • County Emergency Operations Plan • Input from LHMP Planning Team • Risk Assessments • Feedback from LHMP partners through submittal of the Hazard Identification Questionnaire • FEMA Flood Hazard Mapping 	<ul style="list-style-type: none"> • Previous instances • Several repetitive loss properties are located in the County.

LOCATION

Substantial action has been taken place to reduce flood hazards. Construction of Don Pedro Dam on the Tuolumne River and New Melones Dam on the Stanislaus River has permitted officials to monitor the flows of water in those rivers, significantly reducing the chances of flooding. New Melones Dam has, since its completion in 1978, prevented flooding above the 8000 cubic feet per second (cfs) level on the Stanislaus River. Regulation of the flows from Don Pedro limits flooding along the Tuolumne River, but does not completely eliminate it. Another seasonal flooding threat is Dry Creek. It originates near the Modesto Reservoir and flows past Waterford through Modesto where it finally terminates at its confluence with the Tuolumne River. The Mid San Joaquin Regional Flood Management Working Group is working on mitigation measures that would further limit flooding from the San Joaquin River. The San Joaquin River impacts the areas along Interstate 5 and the unincorporated communities of Grayson and Westley.

EXTENT

Flooding has been a major problem throughout the history of Stanislaus County, particularly with the encroachment of urban growth into flood plains. Major floods have occurred in 1861, 1938, 1950, 1955,

1969, 1983, 1995, 1997, and 1998. Minor flooding occurred in 2006 with limited impacts to County property. The State Reclamation Board has identified and adopted designated floodways, defined in feet per second of flow, along the San Joaquin River, Stanislaus River, Tuolumne River, and portions of Dry Creek. Seasonal flooding along Dry Creek and the San Joaquin River is common during very wet years or periods.

The Federal Emergency Management Agency Flood Insurance Rate Map (FIRM) provides information on flood risk in Stanislaus County using 100 and 500-year floodplain GIS mapping layers. Areas within the 100-year floodplain zone have a 1% annual exceedance probability of flood, meaning a flood has a 1% chance of being equaled or exceeded in any single year in those areas. Areas between the limits of the 100-year and 500-year floodplain zone have a 0.2% annual chance of flooding. The 100-year and 500-year floodplain zones are identified on the 2016 Stanislaus County-Flooding Hazard Map on page 67 in this section.

The Department of Housing and Urban Development (HUD) has also developed flood hazard zones, which are referenced in the County's Flood Control Ordinance and used for insurance purposes. Any non-agricultural encroachment into these areas requires special permits that are difficult to obtain and often costly to implement. Permits for encroachment into the designated floodways must be obtained from the Reclamation Board. The County administers other permits. These measures still do not control flood hazards for existing development. Information regarding flood-prone areas as shown on the HUD maps is available in the Department of Public Works.

PROBABILITY OF FUTURE EVENTS

The probability of flooding in Stanislaus County is likely. Historically, there have been clusters of flooding incidents within the County approximately every 14 years. Flooding risks are present among several creeks and rivers, including Del Puerto Canyon, Dry Creek, Orestimba Creek, Salado Creek, San Joaquin River, Stanislaus River, and the Tuolumne River. Stanislaus County is most regularly impacted by flooding along Dry Creek, the Tuolumne River and San Joaquin River.

The Dry Creek watershed is a major factor in flooding in eastern Stanislaus County and the east side of Modesto. The watershed was traditionally un-monitored and un-controlled. To improve monitoring capabilities, in 2011 Stanislaus County purchased a Remote Automated Weather System (RAWS) to help monitor rainfall on the watershed near Crabtree Road. Turlock Irrigation District is now planning to install another weather station on the upper Dry Creek watershed to give further capabilities for managing this flood hazard.

The Mid San Joaquin Regional Flood Management Working Group is focused on increasing transitory storage on the San Joaquin River. Flooding on the San Joaquin generally impacts the west side of the County. Increased storage will help reduce seasonal flood threats as well as the impact of larger incidents.

NEW OCCURRENCES

Since the current plan was updated in 2010, there has been one new occurrence. In April 2011, Stanislaus County proclaimed a local state of emergency for limited flooding at various locations within the County. This was considered a minor incident as there was limited damage.

VULNERABILITY IMPACTS

Seasonal flooding is experienced along the San Joaquin River and Tuolumne River.

Life and property loss could occur as well as damage to agricultural land.

Road and bridge closures, and communication systems may cause disruption to normal process.

Population most vulnerable are those living in low-lying trailer parks along the rivers and the homeless. There is usually sufficient time to alert and warn those that may be affected.

There are no County buildings or historical buildings located in these areas. The Modesto Water Treatment Plant could experience problems should waters rise high enough.

Assessing Vulnerability: Overview

There is commonly seasonal flooding along the San Joaquin River and Dry Creek in wet years.

Most flood conditions are from heavy, prolonged rain or rapid snow thaw. Flooding could involve extensive life and property loss, interruption of transportation and communications systems, loss and damage to agricultural land, and interruption of government infrastructure.

Most The San Joaquin Regional Flood Management Working Group is focused on reducing the flood risk on the San Joaquin River. The working group includes local and state government, irrigation districts and levee districts. The group has proposed mitigation measures and has made available grants to help local government and districts implement recommendations. The working group has recommended increasing transitory storage on San Joaquin River.

The Stanislaus County and Turlock Irrigation District have installed or is in the process of installing equipment to monitor the flow of Dry Creek and rain amounts within that watershed. Turlock Irrigation District is also examining methods to increase and decrease inflows from Don Pedro Reservoir on the Tuolumne River to lesson flooding probability at the Dry Creek / Tuolumne River confluence in Modesto.

Flooding on the Stanislaus River is not common and is only an issue in a major flood event. Even in the largest flood event in recent history (1997 and 1998), there were minimal impacts on the Stanislaus River.

Historically, emergency officials have received notice of potential flooding before the incident giving first responders time to notify and evacuate residents. The more vulnerable populations are those who are not able to self-evacuate including the elderly, young and those with disabilities. The homeless population is vulnerable in a flood incident and may need expanded notification and relocation efforts. Law enforcement and fire departments have coordinated the notification of homeless in past incidents. Drivers who ignore warnings of flood are also a population of concern particularly in the west side of the County at Eastin Road and Orestimba Creek. The county maintains crossing guards for this section, but they are sometimes ignored.

REPETITIVE LOSS PROPERTIES

Stanislaus County participates in the National Flood Insurance Program (NFIP) and complies with the NFIP requirements. The Stanislaus County Planning Department is the conduit for the program within this jurisdiction. The Planning Department provides information to the public specific to NFIP and flood hazards within the County on its website at the following link:

<http://www.stancounty.com/planning/bp/floodplain-management.shtm>

In compliance with the NFIP, Repetitive Loss Properties (RLP) has been identified in Stanislaus County. There are four (4) properties identified and they are located in Crows Landing, Modesto and Newman. There have been no new claims to these properties since the last plan update in 2010.

Assessing Vulnerability: Identifying Structures and Estimating Potential Losses

This section is based on an inventory of existing and future buildings, infrastructure, and critical facilities located within the identified flood hazard zones. Using maps from the FEMA 100 and 500-year floodplain layers, the following table lists a summary of the population, properties and values at risk from 100-year and 500-year floods from various source rivers. This exhibit also lists a summary of the housing units, population, and number of parcels and valuation of properties at risk of flooding from various rivers within unincorporated Stanislaus County.

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FLOOD RISKS IN STANISLAUS COUNTY				
River	Population	Households	# of Parcels	Total Value
100 Year Flood Zone				
Del Puerto Canyon	97	36	150	37,560,049
Dry Creek	205	103	649	114,525,728
Orestimba Creek	1,729	620	765	76,556,776
Salado Creek	1,419	462	645	53,314,273
San Joaquin River	866	231	702	130,354,364
Stanislaus River	64	40	544	109,002,577
Tuolumne River	3,077	894	1,596	174,037,212
River	Population	Households	# of Parcels	Total Value
500 Year Flood Zone				
Del Puerto Canyon	96	37	91	25,142,995
Dry Creek	259	122	325	38,689,834
Orestimba Creek	1,869	640	761	54,969,118
Salado Creek	14,281	4,574	4,629	258,849,978
San Joaquin River	52	18	32	12,148,637
River	Population	Households	# of Parcels	Total Value
Stanislaus River	974	347	701	98,840,359
Tuolumne River	10,187	2,730	2,983	197,213,289

There are seventeen existing County facilities in the 100 and 500 year flood zones with a total value of \$5,467,908. Both future facilities that would be impacted and the total value is \$2,365,000. The two facilities are expansion of the existing Honor Farm that is impacted by the 100 year flood zone along the San Joaquin River.

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The table below reflects the value of County Bridges in the event of a flood hazard:

COUNTY BRIDGES FLOOD RISK		
River	# of Bridges	Total Value
100 Year Flood		
Del Puerto Canyon	2	1,549,524
Dry Creek	3	12,112,883
Orestimba Creek	11	12,775,729
Salado Creek	4	4,016,025
San Joaquin River	4	24,544,988
Stanislaus River	4	25,734,308
Tuolumne	11	129,333,913

COUNTY BRIDGES FLOOD RISK		
River	# of Bridges	Total Value
500 Year Flood Zone		
San Joaquin River	1	490,454
Stanislaus River	1	256,050

Assessing Vulnerability: Analyzing Development Trends

There is no significant development in the unincorporated County impacted by flood since the last plan update. Most development has been infill in cities within the county.

Urban development is discouraged in areas with growth-limiting factors such as a high water table, poor soil percolation and flood plains unless measures to mitigate the problems are included as part of the development application.

Development is not allowed in areas that are within the designated floodway. Development within the 100-year flood boundary shall meet the requirements of Chapter 16.50 Flood Damage Protection of the County Code and within the designated floodway shall obtain Reclamation Board approval.

With several rivers traversing the County, flooding is a concern. The County makes information available to landowners in areas subject to flooding and supports the formation of improvement districts including flood control districts to eliminate safety hazards.

The County also utilizes the California Environmental Quality Act (CEQA) process to ensure that development does not occur that would be especially susceptible to flooding. Most discretionary projects require review for compliance with CEQA. As part of this review, potential impacts must be identified and mitigated.

The County continues to support the Federal Emergency Management Agency (FEMA) Flood Insurance Program so that residents who qualify may purchase such protection.

Impact of Climate Change

The impact of climate change may lessen the flood risk in some areas including Stanislaus County. Climate change may increase drought and lessen snow pack in the mountains resulting in less water in the region. Climate change may produce unpredictable weather patterns that results in strong or slow moving storms that could cause localized flooding. It is anticipated that climate change will cause the sea level to rise. It is unclear how the rising sea level impacts of coastal flooding and coastal erosion may impact inland areas including Stanislaus County.

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RISK ASSESSMENT

Wildfire

WILDFIRE HAZARD

Identifying Hazard

A wildfire is an uncontrolled fire burning in an area of vegetative fuels such as grasslands, brush, or woodlands. Wildfires can occur in areas essentially void of development, or in areas where development intermingles with this natural area known as the wildland-urban interface. Many wildfires occur in locations that abound in grasslands and brush. Heavier fuels with high temperatures, low humidity, low rainfall, and high winds all work to increase risk.

Wildfires can occur at any time of the year, but will usually occur during warmer and dryer months. Wildfires are most commonly caused by people through arson, debris, burns, and carelessness. Areas that are typically considered to be safe from wildfires include highly urbanized, developed areas that are not contiguous with vast areas of wild lands. Areas typically considered being prone to wildfires include large tracks of wild lands.

Profiling Hazard

NATURAL HAZARD	HOW IDENTIFIED	WHY IDENTIFIED
WILDFIRE	<ul style="list-style-type: none"> • County General Plan Safety Element • County Emergency Operations Plan • Input from LHMP Planning Team • Feedback from LHMP partners 	<ul style="list-style-type: none"> • Potential to cause devastation.

LOCATION

Generally from May to October of each year, Stanislaus County experiences its wildfire season. Most of the fire susceptible areas are located in the extreme eastern and western portion of the County. This is due to the underdeveloped, rugged terrain and the highly flammable, grass and brush covered land. High temperatures, low humidity, strong winds and drought may exacerbate the potential for wild land fires. Included within the Eastern and Western portion of the County, locations have been identified by the California Department of Forestry and Fire Protection ([CAL FIRE](#)) as State Responsibility Area (SRA).

Within Stanislaus County, the areas of potential brush fires are the Diablo Range, generally located west of Interstate 5, and the Sierra Nevada foothills in the eastern portions of the County. According to CAL FIRE, which includes the Santa Clara Unit (SCU) and Tuolumne Calaveras Unit (TCU), the majority of these areas are rated as having the highest possible critical fire weather frequency on an annual basis. Assessments of current and anticipated hazards/risks have been identified in CAL FIRE's Strategic Fire Plans for [SCU](#) and [TCU](#). This factor, combined with vegetation and slope percentage, produce overall fire ratings of moderate to high throughout the fire hazardous areas as identified in the Fire Hazard Severity Zones ([FHSZ map](#)).

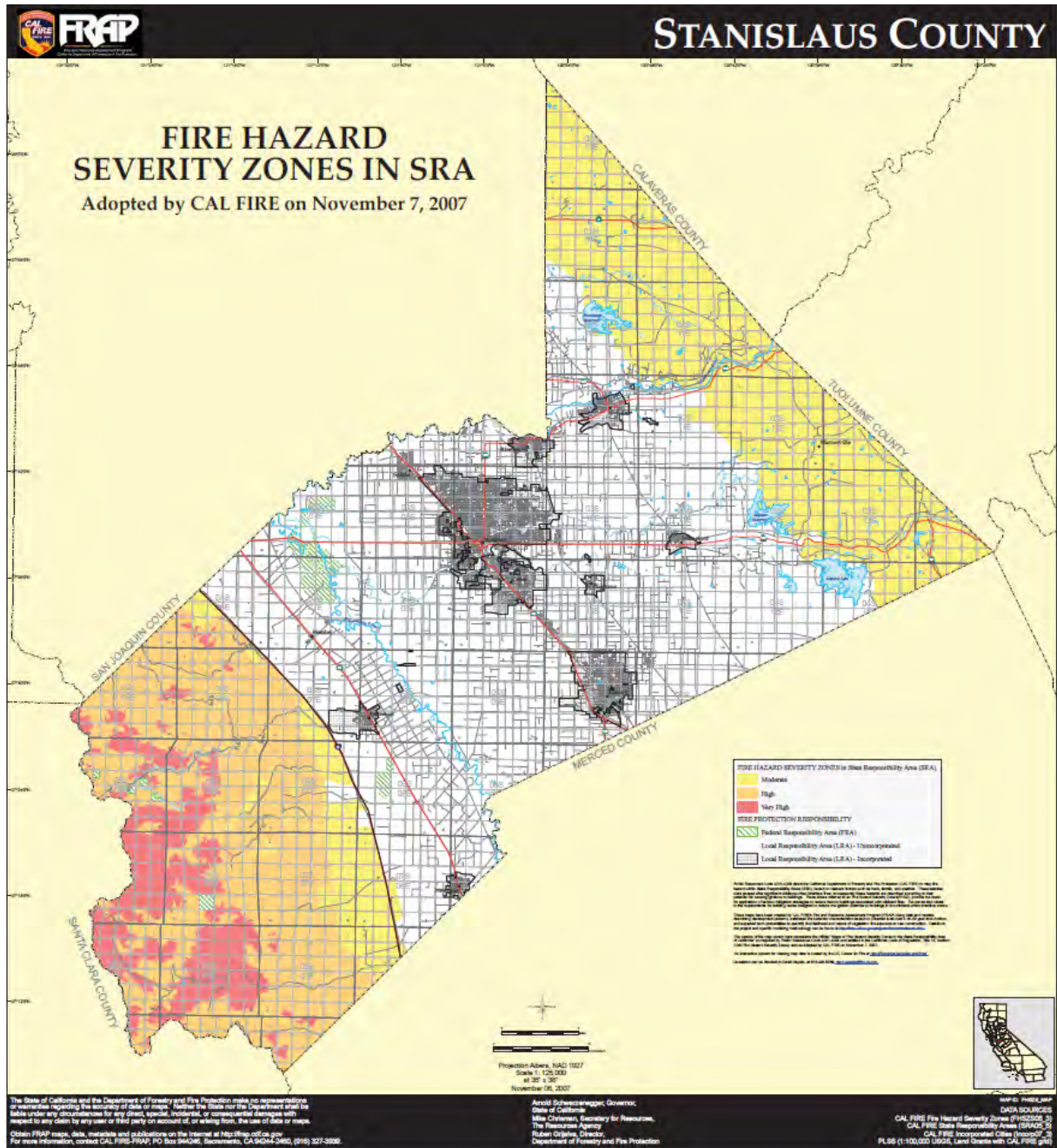
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Brush fire hazards can be traced to four causes: topography, vegetation, climate, and people. Chaparral, grasslands and other wild plant life provide the major sources of fire fuel. Stanislaus County has a Mediterranean type of climate with cool, wet winters and hot, dry summers. The hot, dry summers in Stanislaus County produce large areas of extremely dry vegetation often located on topography which enhance the spread of flames and prohibits access of firefighting equipment. When people are added to the above situation, the chances of fires are greatly increased.

The largest wildfires occurring in Stanislaus County have been on the western side of the County in the SRA. THE SRA is rural and sparsely populated. The Del Puerto Fire and The Canyon Fire were in July 2006. They burnt 2,593 and 34,217 acres respectively. There were no structures residences lost in the

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Del Puerto Fire, but 11 residents were lost in the Canyon Fire. The Lick Incident was in July 2007 in the SRA encompassing Santa Clara and Stanislaus Counties. Approximately 47,460 acres burned and four residences were lost.



As depicted in the CAL Fire Fire Hazard Severity Zones in State Responsibility Area (SRA) map, above, Stanislaus County has a high to very high hazard severity zone on the western side of the County in the SRA. The eastern side of the County is indicated with a moderate severity zone rating in the SRA.

CAL FIRE has determined that Stanislaus County has no very high fire hazard severity zones in the Local Responsibility Area (LRA) indicated on the map in white.

PROBABILITY OF FUTURE EVENTS

The potential of future wildfires within Stanislaus County is highly likely. New construction continues to encroach into the wildland creating Urban Wild Land Inter Face in the State Responsibility Areas on the

SECTION FIVE

West and East sides of the County. The increase of human activity in these areas will increase the frequency and the significance of wildland fires as population increases.

The Stanislaus County, Stanislaus Consolidated, West Stanislaus and Cal Fire, Fire Prevention Bureaus will continue to work with new construction projects enforcing the California Fire Code, District Ordinances and the California Code of Regulations Title 14, Section 1273 working to reduce the significance of wildfires in the Wildland Interface and the State Responsibility Areas.

The drought experienced in the past years continues to reduce the fuel moisture levels in all fuel models. Increased wildfire numbers and more extreme fire behavior can be expected throughout the County if drought conditions persist.

The Northeast and East portions of the County continue to see conversion of State Responsibility Area land that historically contained grassland to irrigated land used for tree crops. The conversion of this SRA into irrigated land reduces the wildfire threat in the converted areas. Cal Fire is due to issue a new SRA map for the State in the coming years. The irrigated crop land should be removed from the SRA.

NEW OCCURRENCES

There have been over several hundred wildfire starts in Stanislaus County since the plan was updated in 2010. Only one of the fires grew to be significant in acreage. The Grayson Fire in 2016 was 2,000 acres and in the Local Responsibility Area (LRA). Drought conditions contributed to the spread of this fire including hot and dry conditions, drier than normal fuels and more river bottom exposure. It is unusual to have a fire of this size outside the SRA within Stanislaus County. No homes were lost as a result of the fire and there was no economic impact.

ASSESSING VULNERABILITY: OVERVIEW

Stanislaus County took into account the following when updating our vulnerability assessment:

- Updates to inventories of existing structures in hazard areas, including new development, and redeveloped areas or structures;
- Potential impacts of future land development, including areas that may be annexed in the future;
- New buildings; and
- Completed mitigation actions that reduced overall vulnerability.

Wild land fires are generally limited to the foothills on either side of the County. Although there is less of a hazard to structures and people, controlling such fires is more difficult because of their inaccessibility. While urban fires result in injuries and loss of property, brush fires may result in loss of natural vegetation, loss of agricultural crops, vulnerability to flood and landslides, erosion of the soil, and intrusion of the eroded soil into lower lying areas where it may be deposited.

Stanislaus County has developed several mechanisms for dealing with fire hazards. Building Code Standards require use of the safest construction methods. In the State Responsibility Areas ([CA Building Code Chapter 7A](#)) is enforced to create a higher level of fire resistance to wildland fires. Upgraded windows, doors, siding, roofing and deck construction enable a residence to withstand a wildfire moving through the area. Since the January 2011 adoption of the Fire Code all new residences in the State of California have been required

VULNERABILITY IMPACTS

Wildland fires are generally limited to the foothills on either side of the County, identified as State Responsibility Area (SRA).

There is little population or development in these high risk areas due to the rugged terrain.

Inaccessibility in the area makes controlling fires in these areas more difficult.

Loss of natural vegetation and soil erosion could make the area susceptible to flood and landslide.

Agricultural crops could be lost threatening economic health.

The few homes in the rural areas of the SRA are isolated with limited egress. Timely notification of fire threat is critical.

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to be fitted with fire sprinklers which reduce the fire occurrences in those residences.

The County Fire Warden's Office and Fire District's enforce a section of the County Code which requires removal of "all dirt, rubbish, weeds, ... which constitute a fire menace or which is otherwise a menace to health or safety..." in urban areas. If the property owner does not remove the material, the Fire Warden's Office can do so and charge the cost of removal to the property owner ([Stanislaus County Weed Abatement Ordinance Title 9, Chapter 9.20](#))

Cal Fire and Fire Prevention Bureau's having Jurisdiction also enforce the Public Resources Code Section 4290 in State Responsibility Areas of Stanislaus County requiring defensible space for structures.

Vulnerable populations are those who live in the rural areas of the SRA. Their homes are isolated with limited egress. It is important that these residents receive timely notification regarding potential evacuations.

Assessing Vulnerability: Identifying Structures and Estimating Potential Losses

The majority of areas threatened by potential wildfire losses within Stanislaus County are in the foothills at the far eastern and western edges of Stanislaus County where little population or development presently exist. Exceptions include:

- Pockets of development west of Interstate 5 (Diablo Grande; Fink Road Landfill)
- Frank Raines Regional Park (restrooms, well/pump facilities)
- Radio communications facilities (Mt. Oso)
- Woodward, Turlock Lake and Modesto Reservoir park improvements
- La Grange Regional Park improvements

Wildfires can threaten any improvements, particularly those which are not protected by buffer zones or which are constructed of combustible materials. The highest risk areas are also those with the least density of development, but may include ranches, farmland and pasture properties and their associated structures and fences. Most of the County's infrastructure facilities are less vulnerable to wildfire due to the materials used in their construction. Wildfires may threaten infrastructure of other utilities, such as power and telecommunications lines.

The vulnerability in terms of dollar losses is defined and provides the community and the State of California with a common framework in which to measure the effects of hazards on vulnerable structures. The County has reviewed and revised this new plan to reflect changes in development and updated the inventory of structures.

POPULATION AND PROPERTY VALUE ANALYSIS FOR WILDFIRE			
Wildfire Zone	Population	Households	Total Value
Fire Zone <1 Mile	1,242	725	288,748,713
Fire Zone >1 Mile < 2 Miles	9,384	3,459	514,345,331
Fire Zone >2 Mile < 3 Miles	10,796	3,484	470,840,443
Fire Zone >3 Mile < 4 Miles	6,720	2,270	398,277,093
Fire Zone >4 Mile < 5 Miles	5,243	1,976	387,601,549

EXISTING COUNTY FACILITIES PROPERTY VALUE BY FIRE ZONE		
Wildfire Zone	Existing Facilities	Total Value
Fire Zone <1 Mile	0	0
Fire Zone >1 Mile < 2 Miles	4	1,340,597
Fire Zone >2 Mile < 3 Miles	14	3,456,344
Fire Zone >3 Mile < 4 Miles	4	1,860,754

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Fire Zone >4 Mile < 5 Miles	1	1,713,838
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There are currently no future County facilities planned within a wildfire zone.

Assessing Vulnerability: Analyzing Development Trends

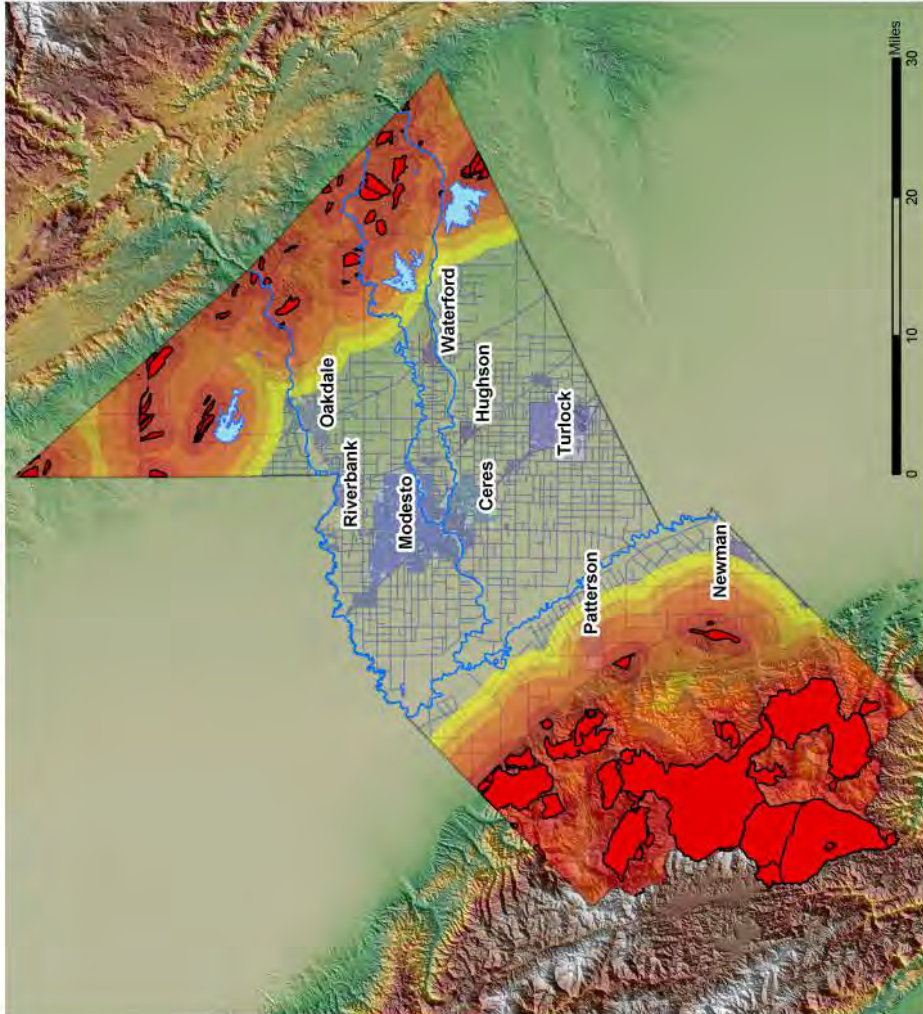
The areas most vulnerable to wildfire are in the SRA on the east and west sides of the County. There has been little to no development within the majority of the SRA with two exceptions. On the Western side, there has been limited development in the Diablo Grande. Diablo Grande is located seven miles west of I-5. The development was approved by the Board of Supervisors in 1993 for 5,000 residences. As a result of the economic turn down in 2008, build out of the residential area was stalled. There are currently 425 occupied residences and building is projected to continue over the next few years.

There has been development of ranchettes, two to ten acre homesteads, on the eastern side of the county between Knights Ferry and the City of Oakdale. These ranchettes are located primarily in the SRA. Aside from these limited developments, there has been no significant change in development in the unincorporated areas impacted by wildfire within Stanislaus County since the last LHMP update.

Impact of Climate Change

California has experienced a significant drought over the past five years. The drought has stressed all ranges of fuel in the wildland in Stanislaus County producing extreme fire behavior. The areas most affected by the drought would be the river bottom fuels and the fuels in the extreme west and east foothill portions of the County.

2016 Stanislaus County -- Historical Wildfire Hazard



Map Legend:

- Lakes
- Rivers
- Roads
- Historical Burn Areas
- Distance From Actual Wildfires**
- < 1 Mile
- < 2 Miles
- < 3 Miles
- < 4 Miles
- < 5 Miles





SECTION SIX

Mitigation Strategy

SECTION SIX – MITIGATION STRATEGY

INTRODUCTION

The mitigation strategy serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy includes the development of goals and prioritized hazard mitigation actions. Goals are long-term policy statement and global visions that support the mitigation strategy. A critical step in the development of specific hazard mitigation actions and projects is assessing the community's existing authorities, polices, programs, and resources and its capability to use or modify local tools to reduce losses and vulnerability from profiled hazards.

Stanislaus County utilized a four-step process to reaffirm or update goals and actions based on current conditions including: Developing mitigation goals,

- Identifying mitigation actions,
- Evaluating mitigation actions, and
- Implementing mitigation action plans.

The Planning Team developed the mitigation goals, reviewed potential mitigation actions, and developed the Mitigation Action Plan for the unincorporated portion of the County. The plan was also reviewed and shared with our local partners to receive feedback and help us prioritize goals and objectives.

WHY DO WE NEED A MITIGATION STRATEGY

- To help the County make decisions that will reduce its vulnerability to hazards;
- It costs too much money to only address the effects of a disaster after it occurs;
- State and Federal aid is usually insufficient to cover the extent of physical and economic damages resulting from disasters;
- Damage from hazards can be prevented if the County takes the time to anticipate where and how disasters will occur, and then take appropriate action to minimize damages;
- The County can lessen the impact of disasters and speed the response and recovery process;
- The County has a moral responsibility to its citizens to plan and recognize the potential for hazards; and
- Awareness can help our community become more sustainable and disaster resistant.

DEVELOPING MITIGATION GOALS

Mitigation goals are defined as general guidelines that explain what the County wants to achieve in terms of hazard and loss prevention. Goals are typically long-range statements representing community-wide visions. The Planning Team reviewed the goals from the 2010 plan which focused on minimizing future loss of life, reducing property damage, and avoiding long-term vulnerabilities to the identified hazards. After the Risk Assessment was completed, the Planning Team developed additional goals. This included: increased planning and mitigation efforts for dam and flood along with increased preparedness in participating in ShakeOut for earthquakes. The goals were developed to be compatible with the goals of the community as expressed in the Safety Element of the General Plan, and the Emergency Operations Plan. The County's Mitigation Strategy is guided by the vision of a safe and resilient County. Our mission is to integrate existing laws and programs into a mitigation strategy that will serve the citizens by reducing and preventing injury and damage from natural hazards.

Stanislaus County routinely performs activities such as issuing building permits, approving development plans, and repairing roads. The County is conscious that these activities should reflect our vision and goals by using the most current building code, restricting development in hazard-prone areas, or making infrastructure decisions based on our latest Risk Assessment findings. The table below highlights the County's existing authorities, policies, and programs and the ability to expand upon and improve them through continuous review and integration with the Mitigation Plan.

Existing Authority, Policy or Program Title	Goal	Policy / Program Improvements
Stanislaus County General Plan	Hazard Risk Reduction	Addresses hazards through the General Plan Safety Element and integrated with the stated goals and priorities of the LHMP. The plan is continuously reviewed and revised based on current identified hazards.
Capital Improvement Plan	Protect Critical Facilities and Infrastructure	Incorporates LHMP priorities in the Capital Improvement Plan and requires project review by the Board of Supervisors during the concept, scope and cost of the project as well as the appropriate environmental reviews before a project is initiated. The Board of Supervisors review insures continuous expansion and improvement of critical facilities and infrastructure capability.
Stanislaus County Emergency Operations Plan (EOP)	Establish Emergency Management Organization	The Hazard Mitigation Planning Team remains informed of major review findings during the annual review of the EOP with the intent to integrate with key components of the LHMP. Annual review of this plan allows emergency management staff to continue to improve and expand capability to identify opportunities to mitigate hazards.
Stanislaus County Codes, Title 16 Buildings and Construction	Safeguard life, health, property and the public welfare	Reviews the LHMP to ensure integration by: Assessor for parcel data including use codes, assessed categories and values; Public Works for current infrastructure (bridges, drainage, street lights and traffic lights) and their geographic placement; Strategic Business Technology for numerous GIS base map shape files for cities, county, parcels, rivers and roads. Changes to County Code can be made as needed to expand and improve capability to protect life and property of Stanislaus County residents.

IDENTIFYING MITIGATION ACTIONS

For the Plan Update, the County proceeded to evaluate potential mitigation actions after reviewing our mitigation goals. Mitigation actions are activities, measures, or projects that help achieve the goals of a mitigation plan. Particular effort was made to identify at least one new mitigation action per identified hazard and define whether the existing actions were completed, deleted, deferred, or ongoing. County and jurisdiction-specific mitigation actions to reduce hazard impacts to new and existing buildings and infrastructure were also reviewed. Mitigation efforts should occur both before and after emergencies or disasters. This includes eliminating or reducing the impact of hazards that exist within Stanislaus County.

Mitigation efforts include:

- Amending local ordinances and statutes, such as zoning ordinances, building codes, and other enforcement codes;
- Integrating mitigation efforts into the County General Plan;
- Improving the understanding of the vulnerability of building types;

-
- Ensuring that all development in high-risk areas is protected by mitigation measures that provide for safety;
 - Assessing tax levies or abatements;
 - Emphasizing public education and awareness;
 - Assessing and altering land use planning; and/or
 - Establishing partnerships between all levels of government and the business community to improve and implement methods to protect property and lives.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMPLIANCE

Stanislaus County actively participates in FEMA's National Flood Insurance Program (NFIP) and has implemented floodplain policies, regulations, and ordinances to protect the threatened population and infrastructure to assure NFIP compliance.

COMMUNITY ASSISTANCE AND MONITORING ACTIVITIES

The Building Permits Division has a Flood Plain Administrator that attends and schedules workshops, provides informational assistance to the general public, and creates ordinance adoptions to comply with FEMA requirements. The Flood Plain Administrator also monitors FEMA publications and has close contact with the State Water Resources Board to maintain accurate information. The Public Works Department provides FEMA flood plain maps on the County Website for community review.

EVALUATING AND PRIORITIZING MITIGATION ACTIVITIES

The Planning Team reviewed mitigation activities identified in the 2010 mitigation plan. The mitigation strategies for each risk were reviewed and then validated or more clearly defined. The Planning Department, Building Permits Division and the Public Works Department enforce local, state and federal building codes that mitigate damage during a disaster. Their role is key in preventing future losses. The Chief Executive Office / Office of Emergency Services and other County departments ensure that emergency plans are developed and implemented and that personnel are trained in disaster response including the National Incident Management System. During this review cycle, no changes in priorities were identified by the Planning Team or through public comment. However, new mitigation actions were added for earthquake, landslide, dam, flood and fire risks to reflect current conditions. Mitigation is an ongoing activity that is incorporated into the day-to-day work flow for many County departments involved. The work is often funded through general fund, application fees or federal and state grants.

IMPLEMENTING A MITIGATION ACTION PLAN

The mitigation activities table for each hazard identifies the action, associated objectives, progress/status responsible agency and time frame. Many of these actions are considered ongoing or continuous County initiatives. The progress/status section of the table indicates the status of the activity if it was included in the previous plan or indicates if it is a new activity for the current plan.

COST-BENEFIT REVIEW

A cost-benefit review was applied in order to prioritize the mitigation recommendations for implementation. The priority for implementing mitigation recommendations depends upon the overall cost effectiveness of the recommendation, when taking into account monetary and non-monetary costs and benefits associated with each action. The cost-benefit table for each hazard provides an analysis of the benefit, cost and a relative priority rank (High, Medium and Low) for each mitigation activity. The general guidelines are listed below.

- High – Benefits are perceived to exceed costs without further study or evaluation.
- Medium – Benefits are perceived to exceed costs, but may require further study or evaluation prior to implementation.
- Low – Benefits and cost evaluations requires additional evaluation prior to implementation.

Funding projects that will help to mitigate imminent hazards are cost effective and assist in efforts to help communities recover from disasters. Most of the projects are already funded through general fund, application fees or state/federal funds. The majority of the projects are ongoing to ensure mitigation

measures are implemented within the County. It is not anticipated that all future projects will be identified in this Local Hazard Mitigation Plan. The County's Mitigation Plan will help guide local government to prioritize, be flexible, and identify critical mitigation strategy needs that may arise from a disaster when there is no time to update the local plan.

It is also important for the County to protect critical facilities and infrastructure. Stanislaus County has a Capital Improvement Plan with a Capital Projects Program in place. The Capital Projects Team is actively working to protect facilities and infrastructure important to the County. Areas of repetitive loss are high priorities for mitigation funding as they can drain County coffers.

EARTHQUAKE HAZARD

Hazard Mitigation Goals

- Minimize loss of life and reduce property damage as a result of earthquakes
- Reduce economic impact of earthquakes
- Increase public preparedness for disasters

Identification and Analysis of Mitigation Actions

OBJECTIVES	
Objective No.	Description
EQ01	Encourage and comply with higher development standards in geological fault areas.
EQ02	Discourage urban development in geological fault and hazard areas unless measures to mitigate the problems are included as part of the application.
EQ03	All new public and private development shall be designed to increase safety.
EQ04	The County shall continue to enforce State-mandated Health and Safety Codes, which include but are not limited to the California Code of Regulations Title 24 and International Property and Maintenance Code. Specifically for Seismically designed structures that meet or exceed the requirements stated in the California Building Code Volumes 1 and 2.
EQ05	Continue critical business operations.
EQ06	Train emergency responders.
EQ07	Enable the public to prepare for, respond to, and recover from disasters by improving hazard information.
EQ08	Support efforts to identify and rehabilitate structures that are not earthquake resistant.
EQ09	Integrate mitigation plan with other local government plans.

Implementation of Mitigation Actions

EARTHQUAKE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.01 Ensure all Development and Building Permit Applications in areas with geological faults shall include measures to mitigate the impacts based on the Seismic Design Category associated with Soil Classification, liquefaction and seismic activity, in accordance with California Code of Regulations Title 24.	EQ01 EQ02 EQ03	Fully implemented since the 2010 plan and continues to be implemented to ensure building structural safety.	Planning and Community Development	Ongoing at time of development and building permit review.	County General Funds; Fees; State Earthquake Hazard Mitigation Funding
2016. HMP.02 Proposed Residential development may not be approved at the maximum density if it is in a geological fault area or if it does not meet the requirements of Ordinance 1182(Building Code adoption), Title 24 and 16, Stanislaus County Code unless mitigation measures are approved at application.	EQ01 EQ02 EQ03	All new residential development and structures within are reviewed, permitted and inspected in accordance with the most currently adopted code. Title 24 and 16.	Planning and Community Development	Ongoing at time of development and building permit review	County General Funds; State Earthquake Hazard Mitigation Funding
2016. HMP.03 The County shall enforce provisions of the Alquist-Priolo Earthquake Fault Zoning Act.	EQ01 EQ02 EQ03	All new residential developments are designed, reviewed and approved through entitlement process.	Planning and Community Development	Ongoing	County General Funds
2016. HMP.04 Conduct public outreach about earthquake risk and mitigation activities through participation in and publicizing The Great California Shake Out.	EQ07	This activity is new to the Local Hazard Mitigation Plan.	Chief Executive Office / Office of Emergency Services	Annual	County General Funds; US Department of Homeland Security
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	EQ09	Previous plan focused on EOP development only. This updated strategy emphasizes integration between local plans.	Chief Executive Office / Office of Emergency Services	Ongoing as plans are updated.	County General Funds; US Department of Homeland Security
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	EQ05	The COOP is updated as needed with a scheduled review annually.	Chief Executive Office / Office of Emergency Services	Ongoing with scheduled annual update.	County General Funds; US Department of Homeland Security

EARTHQUAKE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	EQ06	Since 2006 Stanislaus County has provided NIMS training to employees and maintains an active training plan that emphasizes NIMS.	Chief Executive Office / Office of Emergency Services	Ongoing as county employees move through attrition or new responsibilities.	County General Funds; US Department of Homeland Security
2016. HMP.08 New public roads and bridges in areas subject to significant seismic hazard shall be designed to minimize seismic risk.	EQ03	Continuous implementation since 2010 and will continue to implement to ensure road and bridge safety.	Public Works	Ongoing	County General Funds; State Earthquake Hazard Mitigation Funding
2016. HMP.09 Additional width shall be required if right-of-way widths greater than those specified in the Circulation Element are necessary to provide added safety in geologically unstable areas.	EQ03	Continued implementation as warranted by specific projects.	Public Works	Ongoing	County General Funds; State Earthquake Hazard Mitigation Funding
2016. HMP.10 Take advantage of programs that would provide funds to identify and rehabilitate structures that do not currently meet building standard minimums for earthquake resistance.	EQ04 EQ08	Continuous implementation based on the number of grant applications and the approval of application for funds.	Planning and Community Development	Ongoing based on applications received.	County General Funds; State Earthquake Hazard Mitigation Funding

EARTHQUAKE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.01 Ensure all Development and Building Permit Applications in areas with geological faults shall include measures to mitigate the impacts based on the Seismic Design Category associated with Soil Classification, liquefaction and seismic activity, in accordance with California Code of Regulations Title 24.	<ul style="list-style-type: none"> • Avoids Casualties • Avoids Physical Damage 	<ul style="list-style-type: none"> • Staff time for development process, plan review, and Inspection(s) associated with Building Permit costs. 	High
2016. HMP.02 Proposed Residential development may not be approved at the maximum density if it is in a geological fault area or if it does not meet the requirements of Ordinance 1182, Title 24 and 16, Stanislaus County Code unless mitigation measures are approved at application.	<ul style="list-style-type: none"> • Avoids casualties • Avoids physical damage 	<ul style="list-style-type: none"> • Staff time for development process, plan review, and Inspection(s) associated with Building Permit costs 	High
2016. HMP.03 The County shall enforce provisions of the Alquist-Priolo Earthquake Fault Zoning Act.	<ul style="list-style-type: none"> • Avoids casualties • Avoids physical damage 	<ul style="list-style-type: none"> • Staff time for development process 	High
2016. HMP.04 Conduct public outreach about earthquake risk and mitigation activities through participation in and publicizing The Great California Shake Out.	<ul style="list-style-type: none"> • Avoids casualties • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for development and coordination • Costs for publications 	High
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	<ul style="list-style-type: none"> • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for coordination 	High
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	<ul style="list-style-type: none"> • Avoids loss of function costs 	<ul style="list-style-type: none"> • Staff time for maintenance and coordination • \$10,000 for annual maintenance fees 	High
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	<ul style="list-style-type: none"> • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for Coordination • Costs for trainers and materials 	High

EARTHQUAKE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.08 New public roads and bridges in areas subject to significant seismic hazard shall be designed to minimize seismic risk.	<ul style="list-style-type: none"> • Avoids casualties • Avoids loss of function • Avoids physical damage 	<ul style="list-style-type: none"> • Staff time for coordination • Specific project costs outlined in Stanislaus County Capital Improvement Plan 	Medium
2016. HMP.9 Additional width shall be required if right-of-way widths greater than those specified in the Circulation Element are necessary to provide added safety in geologically unstable areas.	<ul style="list-style-type: none"> • Avoids physical damage 	<ul style="list-style-type: none"> • No cost unless purchase or right of way or imminent domain needed 	Low
2016. HMP.10 Take advantage of programs that would provide funds to identify and rehabilitate structures that do not currently meet building standard minimums for earthquake resistance.	<ul style="list-style-type: none"> • Avoids physical damage • Avoids casualties 	<ul style="list-style-type: none"> • Staff time for coordination of applications and grants 	Low

LANDSLIDE HAZARD

Hazard Mitigation Goals

- Minimize loss of life and reduce property damage as a result of landslides
- Reduce economic impact of landslides
- Promote sustainable economy
- Identification and Analysis of Mitigation Actions

OBJECTIVES	
Objective No.	Description
LS01	Development west of Highway 5 in areas susceptible to landslides shall be permitted only when a geological soils report has been completed with (a) documented evidence that no such potential exists on the site, or (b) identifying the extent of the problem and the mitigation measures necessary to correct the identified problem.
LS02	All new development, including near river bluffs shall be designed to increase safety and reduce health hazards.
LS03	Discourage development on lands that are subject to landslides.
LS04	Implement engineering benchmarks to monitor landslide susceptibility to prevent impacts to roadways.
LS05	Manage landslide hazard areas by pre-staging road clearing equipment.
LS06	Continue critical business operations.
LS07	Train emergency responders.
LS08	Integrate mitigation plan with other local government plans.

Implementation of Mitigation Actions

LANDSLIDE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	LS08	Previous plan focused on EOP development only. This updated strategy emphasizes integration between local plans.	Chief Executive Office / Office of Emergency Services	Ongoing as plans are updated.	County General Funds; US Department of Homeland Security
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	LS06	The COOP is updated as needed with a scheduled review annually.	Chief Executive Office / Office of Emergency Services	Ongoing with scheduled annual update.	County General Funds; US Department of Homeland Security
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	LS07	Since 2006 Stanislaus County has provided NIMS training to employees and maintains an active training plan that emphasizes NIMS.	Chief Executive Office / Office of Emergency Services	Ongoing as county employees move through attrition or new responsibilities.	County General Funds; US Department of Homeland Security
2016. HMP.11 All building permit applications shall be reviewed to ensure compliance with the California Code of Regulations Title 24 and Subdivision Ordinance in areas of unstable soils.	LS01, LS02, LS06	Fully implemented since the 2010 plan and continues to be implemented to ensure building structural safety.	Planning and Community Development	Ongoing at the time of development and building permit review.	County General Funds; Fees
2016. HMP.12 Development west of Highway 5 located in Seismic Design Category D shall submit a geological soils report unless the Chief Building Official and Planning Director are satisfied that no need for the report is present.	LS01	Fully implemented since the 2010 plan and continues to be implemented to ensure building structural safety.	Planning and Community Development	Ongoing at the time of development and building permit review.	County General Funds; Fees
2016. HMP.13 The County shall utilize the California Environmental Quality Act (CEQA) process to ensure that development does not occur that would be especially susceptible to landslides. Most discretionary projects require review for	LS03	Continuous implementation since 2010 and will continue to utilize CEQA to ensure that new development is safe.	Planning and Community Development	Ongoing at the time of development review and the CEQA process.	County General Funds

LANDSLIDE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
compliance with CEQA. As part of this review, potential impacts must be identified and mitigated or a statement of overriding concerns adopted.					
2016. HMP.14 The routes of new public roads in areas subject to landslides shall be designed to minimize landslide risks.	LS03	Continuous implementation since 2010 to ensure minimizing of landslide risks to public roads.	Public Works	On-going	County General Funds; Bonds; Tax Measures
2016. HMP.15 Engineering benchmarks will be utilized to survey slope differences over time and monitor for changes in topography to prevent roadway damage and traffic disruptions.	LS04	This activity is new to the Local Hazard Mitigation Plan.	Public Works	On-going	County General Funds; Bonds; Tax Measures
2016. HMP.16 Manage landslide hazard areas by staging road-clearing equipment in known landslide prone areas for faster stabilization.	LS05	This activity is new to the Local Hazard Mitigation Plan.	Public Works	Annual (seasonal)	County General Funds
2016. HMP.17 Development proposals in an area identified as having unstable soils and subject to landslides such as areas in the foothills and river bluffs shall include an engineered design with emphasis on soil, degree of slope measures for mitigating possible hazards.	LS03	Fully implemented since the 2010 plan and continues to be implemented to ensure building structural safety.	Planning and Community Development	Ongoing at the time of development and building permit review.	County General Funds; Bonds; Tax Measures

LANDSLIDE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for development and coordination 	High
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	<ul style="list-style-type: none"> Avoids loss of function costs 	<ul style="list-style-type: none"> Staff time for maintenance and coordination \$10,000 for annual maintenance fees 	High
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination Costs for trainers and materials 	High
2016. HMP.11 All building permit applications shall be reviewed to ensure compliance with the California Code of Regulations Title 24 and Subdivision Ordinance in areas of unstable soils.	<ul style="list-style-type: none"> Avoids physical damage 	<ul style="list-style-type: none"> Staff time for coordination 	High
2016. HMP.12 Development west of Highway 5 located in Seismic Design Category D shall submit a geological soils report unless the Chief Building Official and Planning Director are satisfied that no need for the report is present.	<ul style="list-style-type: none"> Avoids physical damage 	<ul style="list-style-type: none"> Staff time for coordination 	High

LANDSLIDE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
<p>2016. HMP.13 The County shall utilize the California Environmental Quality Act (CEQA) process to ensure that development does not occur that would be especially susceptible to landslides. Most discretionary projects require review for compliance with CEQA.</p> <p>As part of this review, potential impacts must be identified and mitigated or a statement of overriding concerns adopted.</p>	<ul style="list-style-type: none"> Avoids physical damage 	<ul style="list-style-type: none"> Staff time and development Application fees 	High
<p>2016. HMP.14 The routes of new public roads in areas subject to landslides shall be designed to minimize landslide risks.</p>	<ul style="list-style-type: none"> Avoid casualties Avoid physical damage 	<ul style="list-style-type: none"> Staff time of Public Works Engineering Department 	High
<p>2016. HMP.15 Engineering benchmarks will be utilized to survey slope differences over time and monitor for changes in topography to prevent roadway damage and traffic disruptions.</p>	<ul style="list-style-type: none"> Avoid physical damage Avoid traffic disruptions 	<ul style="list-style-type: none"> Staff time to survey and monitor changes 	High
<p>2016. HMP.16 Manage landslide hazard areas by staging road-clearing equipment in known landslide prone areas for faster stabilization.</p>	<ul style="list-style-type: none"> Avoid traffic disruptions Avoid emergency management costs 	<ul style="list-style-type: none"> Staff time Equipment costs 	High
<p>2016. HMP.17 Development proposals in an area identified as having unstable soils and subject to landslides such as areas in the foothills and river bluffs shall include an engineered design with emphasis on soil, degree of slope measures for mitigating possible hazards.</p>	<ul style="list-style-type: none"> Avoids physical damage 	<ul style="list-style-type: none"> Staff time and development Application fees 	High

DAM FAILURE HAZARD

- Minimize loss of life and reduce property damage as a result of dam inundation
- Reduce the economic impact of flooding due to dam inundation
- Promote sustainable economy
- Increase public preparedness for disasters

Identification and Analysis of Mitigation Actions

OBJECTIVES	
Objective No.	Description
DI01	Continue critical business operations.
DI02	Train emergency responders.
DI03	Enable the public to prepare for, respond to, and recover from disasters by improving hazard information.
DI04	Integrate mitigation plan with other local government plans.
DI05	Coordinate with partner agencies to limit impacts to public, infrastructure and environment.

Implementation of Mitigation Actions

DAM FAILURE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	DI04	Previous plan focused on EOP development only. This updated strategy emphasizes integration between local plans.	Chief Executive Office / Office of Emergency Services	Ongoing as plans are updated.	County General Funds; US Department of Homeland Security
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	DI01	The COOP is updated as needed with a scheduled review annually.	Chief Executive Office / Office of Emergency Services	Ongoing with scheduled annual update.	County General Funds; US Department of Homeland Security
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	DI02	Since 2006 Stanislaus County has provided NIMS training to employees and maintains an active training plan that emphasizes NIMS.	Chief Executive Office / Office of Emergency Services	Ongoing as county employees move through attrition or new responsibilities.	County General Funds; US Department of Homeland Security
2016. HMP.18 Continue to partner with dam operators to identify projected flood path of travel as if total loss of dam occurs.	DI05	Since 2010, Stanislaus County has participated in exercises with dam operators and initiated working groups specific to dam inundation.	Chief Executive Office / Office of Emergency Service	Ongoing	County General Funds; US Department of Homeland Security
2016. HMP.19 Participate in the Stanislaus County /Turlock Irrigation District Flood Working Group to develop and approve plans specific to public notification and evacuation.	DI02, DI04, DI05	This activity is new to the Local Hazard Mitigation Plan.	Chief Executive Office / Office of Emergency Services	Ongoing	County General Funds; US Department of Homeland Security
2016. HMP.20 Participate in the Mid San Joaquin Regional Flood Management Working Group. The group is developing plans for watershed reservoir management on the San Joaquin River.	DI05	This activity is new to the Local Hazard Mitigation Plan.	Chief Executive Office / Office of Emergency Services	Ongoing	County General Funds; US Department of Homeland Security

DAM FAILURE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.21 Identify structures within the flood path of travel and note impacted properties in data base.	DI05	County continues to work with dam operators to identify flood path of travel and impacted areas.	Planning and Community Development	Ongoing	County General Funds; US Department of Homeland Security
2016. HMP.22 The County will continue to participate in Emergency Action Plan training and exercises. Lessons learned will be reflected in plans developed for dam inundation.	DI04, DI05	This activity is new to the Local Hazard Mitigation Plan.	Chief Executive Office / Office of Emergency Services	Ongoing / Annual	County General Funds; US Department of Homeland Security

DAM FAILURE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for development and coordination 	High
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	<ul style="list-style-type: none"> Avoids loss of function costs. 	<ul style="list-style-type: none"> Staff time for maintenance and coordination \$10,000 for annual maintenance fees 	High
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	<ul style="list-style-type: none"> Avoids emergency management costs. 	<ul style="list-style-type: none"> Staff time for Coordination Costs for trainers and materials 	High
2016. HMP.18 Continue to partner with dam operators to identify projected flood path of travel as if total loss of dam occurs.	<ul style="list-style-type: none"> Avoids casualties Avoids property damage Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination 	High
2016. HMP.19 Participate in the Stanislaus County Turlock Irrigation District Flood Working Group to develop and approve plans specific to public notification and evacuation.	<ul style="list-style-type: none"> Avoids casualties Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination and development Costs for public notification systems 	High
2016. HMP.20 Participate in the Mid San Joaquin Regional Flood Management Working Group. The group is developing plans for watershed reservoir management on the San Joaquin River.	<ul style="list-style-type: none"> Avoids casualties Avoids property damage Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination and development 	Medium
2016. HMP.21 Identify structures within the flood path of travel and note impacted properties in data base.	<ul style="list-style-type: none"> Avoids casualties Avoids property damage Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination 	High

DAM FAILURE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.22 The County will continue to participate in Emergency Action Plan training and exercises. Lessons learned will be reflected in plans developed for dam inundation.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination and development 	High

FLOOD HAZARD

- Minimize loss of life and reduce property damage as a result of floods
- Reduce the economic impact of floods
- Promote sustainable economy
- Increase public preparedness for disasters

Identification and Analysis of Mitigation Actions

OBJECTIVES	
Objective No.	Description
FL01	Provide ordinances to ensure that flood insurance can be made available to qualified property owners through State and Federal programs.
FL02	Support programs and activities that increase Community Rating System (CRS) premium discounts through National Flood Insurance Program (NFIP).
FL03	Development should not be allowed in areas that are within the designated floodway.
FL04	New developments shall be designed to increase safety.
FL05	Discourage development in areas susceptible to floods.
FL06	Continue critical business operations.
FL07	Integrate mitigation plan with other local government plans.
FL08	Train emergency responders.
FL09	Coordinate with partner agencies to limit impacts to public, infrastructure and environment.

Implementation of Mitigation Actions

FLOOD HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	FL07	Previous plan focused on EOP development only. This updated strategy emphasizes integration between local plans.	Chief Executive Office / Office of Emergency Services	Ongoing as plans are updated.	County General Funds; US Department of Homeland Security
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	FL06, FL07	The COOP is updated as needed with a scheduled review annually.	Chief Executive Office / Office of Emergency Services	Ongoing with scheduled annual update.	County General Funds; US Department of Homeland Security
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	FL08	Since 2006 Stanislaus County has provided NIMS training to employees and maintains an active training plan that emphasizes NIMS.	Chief Executive Office / Office of Emergency Services	Ongoing as county employees move through attrition or new responsibilities.	County General Funds; US Department of Homeland Security
2016. HMP.23 GIS layers will be maintained and kept current of the probability and extent of flooding based on various models, primarily data about historical flooding. Capturing real time flood reporting and monitoring for integration into flood maps is a key focus for GIS mitigation efforts.	FL09	Stanislaus County continues to integrate flood data into GIS layers and develop flood maps for emergency managers based on current data.	Strategic Business Technology	Ongoing as new information becomes available.	County General Funds; US Department of Homeland Security; State Flood Hazard Mitigation Funding
2016.HMP.24 Through enforcement of Title 16, require that structures in a flood plain will have the Lowest Flood Elevation constructed at a minimum level of one foot above Base Flood Elevation and to adopt FEMA section 11-01 and provide clarity on basement definition.	FL01, FL02, FL04	All new residential development and structures within the County are reviewed, permitted and inspected in accordance with the most currently adopted code. (Tile 24 and Title 16).	Planning and Community Development	Ongoing at the time of development and building permit review.	County General Funds; Fees

SECTION SIX

FLOOD HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.25 Elevate existing homes out of the flood plain due to repetitive loss.	FL02	Any substantial improvement or repair would require the structure be elevated.	Planning and Community Development	Ongoing at the time of improvement or repair.	County General Funds; State Flood Hazard Mitigation Funding
2016. HMP.26 Coordinate participation in the National Flood Insurance Program (NFIP) for Stanislaus County and ensure compliance with the requirements.	FL01, FL02, FL04, FL05	Continual compliance with Stanislaus County Flood Damage Protection Ordinance and NFIP.	Planning and Community Development	Ongoing	County General Funds
2016. HMP.27 Enforce Chapter 16.50 Flood Damage Protection Ordinance of the County Code and within the designated floodway shall obtain State Floodway Agency and Reclamation District Board approval.	FL03	Continual enforcement of the ordinance.	Planning and Community Development	Ongoing	County General Funds; US Department of Homeland Security
2016. HMP.28 The Public Works Department will provide information to landowners in areas subject to flooding to help them form a flood control district in Stanislaus County.	FL04, FL05	Continuous implementation as development and infrastructure meet.	Public Works	Ongoing	County General Funds
2016. HMP.29 The County shall use the California Environmental Quality Act (CEQA) process to ensure that development does not occur in areas that would be especially susceptible to flooding. As part of this review potential impacts must be identified and mitigated.	FL01, FL07	Continuous implementation since 2010 and will continue to utilize CEQA to ensure that new development is safe.	Planning and Community Development	Ongoing at the time of development review and the CEQA process.	County General Funds
2016.HMP.30 Participate in the Mid San Joaquin Regional Flood Management Working group to develop infrastructure, plans, training and exercises to limit flooding and flooding impacts on the San Joaquin River within Stanislaus County.	FL09	This activity is new to the Local Hazard Mitigation Plan.	Chief Executive Office /Office of Emergency Services	Ongoing	County General Funds; US Department of Homeland Security
2016. HMP.31 Increase monitoring capabilities for the Dry Creek watershed.	FL09	This activity is new to the Local Hazard Mitigation Plan.	Chief Executive Office / Office of Emergency Services	Ongoing	County General Funds; US Department of Homeland Security; State Flood Hazard Mitigation Funding

FLOOD HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for development and coordination 	High
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	<ul style="list-style-type: none"> Avoids loss of function costs. 	<ul style="list-style-type: none"> Staff time for maintenance and coordination \$10,000 for annual maintenance fees 	High
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for Coordination Costs for trainers and materials 	High
2016. HMP.23 GIS layers will be maintained and kept current of the probability and extent of flooding based on various models, primarily data about historical flooding. Capturing real time flood reporting and monitoring for integration into flood maps is a key focus for GIS mitigation efforts.	<ul style="list-style-type: none"> Avoids casualties Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for development and coordination \$2,000 for licenses and support 	High
2016.HMP.24 Through enforcement of Title 16, require that structures in a flood plain will have the Lowest Flood Elevation constructed at a minimum level of one foot above Base Flood Elevation and to adopt FEMA section 11-01 and provide clarity on basement definition.	<ul style="list-style-type: none"> Avoids casualties Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time and development Building permit fees 	High
2016. HMP.25 Elevate existing homes out of the flood plain due to repetitive loss.	<ul style="list-style-type: none"> Avoids Casualties Avoids Property Damage Avoids Emergency Management Costs 	<ul style="list-style-type: none"> Staff time and development Application fees 	Medium
2016. HMP.26 Coordinate participation in the National Flood Insurance Program (NFIP) for Stanislaus County and ensure compliance with the requirements.	<ul style="list-style-type: none"> Avoids casualties Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination 	High

FLOOD HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.27 Enforce Chapter 16.50 Flood Damage Protection Ordinance of the County Code and within the designated floodway shall obtain State Floodway Agency and Reclamation District Board approval.	<ul style="list-style-type: none"> • Avoids casualties • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for coordination 	High
2016. HMP.28 The Public Works Department will provide information to landowners in areas subject to flooding to help them form a flood control district in Stanislaus County.	<ul style="list-style-type: none"> • Avoids casualties • Avoids property damage 	<ul style="list-style-type: none"> • Staff time for coordination 	High
2016. HMP.29 The County shall use the California Environmental Quality Act (CEQA) process to ensure that development does not occur in areas that would be especially susceptible to flooding. As part of this review potential impacts must be identified and mitigated.	<ul style="list-style-type: none"> • Avoids casualties • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time and development • Application fees 	High
2016.HMP.30 Participate in the Mid San Joaquin Regional Flood Management Working group to develop infrastructure, plans, training and exercises to limit flooding and flooding impacts on the San Joaquin River within Stanislaus County.	<ul style="list-style-type: none"> • Avoids casualties • Avoids property damage • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for participation and coordination • Cost for trainers and exercise coordinators 	High
2016. HMP.31 Increase monitoring capabilities for the Dry Creek watershed.	<ul style="list-style-type: none"> • Avoids casualties • Avoids property damage • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for coordination • Cost for materials, equipment and labor 	Medium

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WILDFIRE HAZARD

Hazard Mitigation Goals

- Minimize the effects of hazardous conditions that might cause loss of life and property
- Reduce the economic impact of wildfires
- Promote sustainable economy
- Increase public preparedness for disasters
- Identification/Analysis of Mitigation Actions

OBJECTIVES	
Objective No.	Description
WF01	All new development shall be designed to increase protection from wildfire.
WF02	Adequate fire protection shall be provided.
WF03	Roads shall be maintained for the safety of travelers for wildfire.
WF04	Future growth shall not exceed the capacity to provide services such as water and public safety.
WF05	The County will continue to enforce the State Mandated Health and Safety Code, the Public Resources Code and the California Code of Regulations, Title 24.
WF06	The County to adopt an ordinance that meets or exceeds the regulations in 14 CCR 1270 et seq to be used in lieu of the minimum State Standards in the State responsibility Areas.
WF07	The County shall continue to support the training of emergency responders.
WF08	Integrate mitigation plan with other local government plans.
WF9	Continue critical business operations.

Implementation of Mitigation Actions

WILDFIRE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	WF08	Previous plan focused on EOP development only. This updated strategy emphasizes integration between local plans.	Chief Executive Office / Office of Emergency Services	Ongoing as plans are updated.	County General Funds; US Department of Homeland Security
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	WF09	The COOP is updated as needed with a scheduled review annually.	Chief Executive Office / Office of Emergency Services	Ongoing with scheduled annual update.	County General Funds; US Department of Homeland Security
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	WF07	Since 2006 Stanislaus County has provided NIMS training to employees and maintains an active training plan that emphasizes NIMS.	Chief Executive Office / Office of Emergency Services	Ongoing as county employees move through attrition or new responsibilities.	County General Funds; US Department of Homeland Security
2016.HMP.32 All building permit applications shall be reviewed to ensure compliance with the California Code of Regulations, Title 24, County Ordinances and California Public Resources Code.	WF01, WF04, WF06	All new development is reviewed, permitted and inspected in accordance with the most currently adopted code. Title 24 and 16.	Planning and Community Development	Ongoing at time of development and building permit review.	County General Funds; Fees
2016. HMP.33 The California Fire Code shall be enforced during inspections and maintenance of structures regulated under that code.	WF01, WF04, WF06	All new development is reviewed, permitted and inspected in accordance with the most currently adopted code. Title 24 and 16.	Fire Warden / Fire Prevention Bureau	Ongoing at the time of development.	County General Funds; Fees

SECTION SIX

WILDFIRE HAZARD MITIGATION ACTIVITIES					
Mitigation Activity	Objective	Progress / Status	Responsible Agency	Time Frame	Potential Funding Source/s
2016. HMP.34 All discretionary projects in the County shall be referred to the County Fire Prevention Bureau and to the appropriate Fire District for comment. The comments of these agencies will be used to condition or recommend modifications of the project as it relates to fire safety and rescue issues	WF01, WF04, WF05	All new development is reviewed, permitted and inspected in accordance with the most currently adopted code. Title 24 and 16.	Fire Warden / Fire Prevention Bureau	Ongoing at the time of development.	County General Funds; Fees
2016.HMP.35 The County Fire Prevention Bureau shall work with the California Department of Forestry and Fire Protection and with local fire districts to minimize the danger from wildfires and the related impacts of post fire conditions	WF02, WF03, WF05, WF06	Weed abatement is actively and continually enforced during and prior to fire season.	Fire Warden / Fire Prevention Bureau	Annually.	County General Funds; Fees; State Wildfire Hazard Mitigation Funding
2016.HMP.36 All New development shall have adequate fire flow water supply that meets or exceeds the requirement specific to the project as required by the California Fire Code-appendix B, NFPA 1142, County-District Ordinance or the California Code of Regulations Title 14 1270 in the SRA.	WF02, WF04, WF05, WF06	All new development is reviewed, permitted and inspected in accordance with the most currently adopted code. Title 24 and 16.	Fire Warden / Fire Prevention Bureau	Ongoing at the time of development.	County General Funds; Fees; State Wildfire Hazard Mitigation Funding
2016.HMP.37 All building permits and discretionary projects within the State Responsibility Areas, as identified by the California Department of Forestry and Fire Protection, shall meet the minimum development standards outlined in the California Code of Regulations Title 14 1270	WF02, WF04, WF05, WF06	All new development is reviewed, permitted and inspected in accordance with the most currently adopted code. Title 24 and 16.	Planning and Community Development	Ongoing at time of development and building permit review.	County General Funds; Fees; State Wildfire Hazard Mitigation Funding
2016. HMP.38 Adopt a County Ordinance as requested by the State Board of Forestry to be enforced in the SRA within Stanislaus County that meets or exceeds the regulations of 14 CCR 1270.	WF05, WF06, WF08	This activity is new to the Local Hazard Mitigation Plan.	Fire Warden / Fire Prevention Bureau	Ongoing and updated to comply with state regulations.	County General Funds; Fees; State Wildfire Hazard Mitigation Funding

WILDFIRE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016. HMP.05 Continue to integrate LHMP priorities with policies included in the Emergency Operation Plan (EOP), General Plan and Capital Improvement Plan and other local plans.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for development and coordination 	High
2016. HMP.06 Develop, adopt, maintain, and update a Continuity of Operations Plan (COOP). Provide disaster management to assist and support County departments to maintain their critical functions.	<ul style="list-style-type: none"> Avoids loss of function costs 	<ul style="list-style-type: none"> Staff time for maintenance and coordination. \$10,000 for annual maintenance fees 	High
2016. HMP.07 Provide NIMS training to all County employees who may be called upon during an emergency. The National Incident Management System (NIMS) was developed so that responders from different jurisdictions and disciplines can work together to provide a unified approach to incident management.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination Costs for trainers and materials 	High
2016.HMP.32 All building permit applications shall be reviewed to ensure compliance with the California Code of Regulations, Title 24, County Ordinances and California Public Resources Code.	<ul style="list-style-type: none"> Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination Building permit fees 	High
2016. HMP.33 The California Fire Code shall be enforced during inspections and maintenance of structures regulated under that code.	<ul style="list-style-type: none"> Avoids casualties Avoids property damage Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination Fire Prevention fees 	High
2016. HMP.34 All discretionary projects in the County shall be referred to the County Fire Prevention Bureau and to the appropriate Fire District for comment. The comments of these agencies will be used to condition or recommend modifications of the project as it relates to fire safety and rescue issues	<ul style="list-style-type: none"> Avoids casualties Avoids property damage Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination Fire Prevention fees 	High
2016.HMP.35 The County Fire Prevention Bureau shall work with the California Department of Forestry and Fire Protection and with local fire districts to minimize the danger from wildfires and the related impacts of post fire conditions	<ul style="list-style-type: none"> Avoids casualties Avoids property damage Avoids emergency management costs 	<ul style="list-style-type: none"> Staff time for coordination State fees 	High

WILDFIRE HAZARD COST BENEFIT TABLE

Mitigation Activity	Benefits	Costs	Priority
2016.HMP.36 All New development shall have adequate fire flow water supply that meets or exceeds the requirement specific to the project as required by the California Fire Code-appendix B, NFPA 1142, County-District Ordinance or the California Code of Regulations Title 14 1270 in the SRA.	<ul style="list-style-type: none"> • Avoids casualties • Avoids property damage • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for coordination • Fire Prevention fees 	High
2016.HMP.37 All building permits and discretionary projects within the State Responsibility Areas, as identified by the California Department of Forestry and Fire Protection, shall meet the minimum development standards outlined in the California Code of Regulations Title 14 1270	<ul style="list-style-type: none"> • Avoids casualties • Avoids property damage • Avoids emergency management fees 	<ul style="list-style-type: none"> • Staff time for coordination • Building permit 	High
2016. HMP.38 Adopt a County Ordinance as requested by the State Board of Forestry to be enforced in the SRA within Stanislaus County that meets or exceeds the regulations of 14 CCR 1270.	<ul style="list-style-type: none"> • Avoids casualties • Avoids property damage • Avoids emergency management costs 	<ul style="list-style-type: none"> • Staff time for coordination 	High

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SECTION SEVEN

Plan Maintenance

SECTION SEVEN - PLAN MAINTENANCE

INTRODUCTION

This section describes a formal plan maintenance process to ensure that the LHMP remains an active and applicable document. It includes an explanation of how Stanislaus County and the Planning Team intend to organize their efforts to ensure that improvements and revisions to the LHMP occur in a well-managed, efficient, and coordinated manner.

The following three process steps are addressed in detail below:

- Monitoring, evaluating, and updating the LHMP;
- Implementation through existing planning mechanisms; and
- Continued public involvement.

MONITORING, EVALUATING, AND UPDATING THE LHMP

The LHMP was prepared as a collaborative effort among Stanislaus County and the participating jurisdictions. To maintain momentum and build upon previous hazard mitigation planning efforts and successes, the County will use the Planning Team Members expertise to monitor, evaluate, and update the LHMP. The Assistant Director of Emergency Services will serve as the primary point of contact and will coordinate all local efforts to monitor, evaluate, and revise the LHMP. The Planning Team Members will monitor integration between the LHMP and other plans including the General Plan, Capital Improvement Plan (CIP) and Emergency Operation Plan. Proposed projects that are included in the CIP must be individually reviewed in terms of conceptual plan, project schedule and funding plan by the Board of Supervisors before they are implemented. The Board of Supervisors reviews the concept, scope and cost of the project and appropriate environmental reviews are completed before a project is initiated.

The Office of Emergency Services will send an email to the planning team and conduct an annual review to monitor the progress in implementing the LHMP. The LHMP Progress Report Form has been developed for this purpose and will be sent to the planning team beginning one year from the date of FEMA's approval of the Final Plan Update.

The LHMP Progress Report Form will provide the basis for possible changes to the overall LHMP and the County and/or jurisdiction will have an opportunity to refocus on any new or more threatening hazards. This will allow the County to make any necessary adjustments to, or changes in resource allocations, and engage additional support for the LHMP implementation, if warranted. The findings will be reviewed by the Assistant Director of Emergency Services and used for the plan update in 2021.

LHMP Progress Report Form will be used to evaluate the plan for the following:

- Have any new hazard/disaster events occurred during the reporting period?
- Did anyone from the public comment on the plan during this reporting period?
- Do the goals and objectives address current and expected conditions?
- Were any mitigation projects identified in the LHMP implemented during this reporting period?
- What obstacles, problems, or delays did any current or ongoing mitigation projects encounter, if any?
- Are the current resources appropriate for implementing the plan?
- Have the outcomes occurred as expected?
- Have the agencies participated as proposed?
- Where shortcomings are identified, what can the County do to bring things back on track?
- Have there been changes in development trends that could create additional risks?

In addition to the annual review, the County will update the LHMP every five (5) years to maintain FEMA mitigation funding eligibility. The Plan Update will include the following activities:

- Review FEMA LHMP update requirements for the new planning cycle;
- Thoroughly analyze and update the risk of natural hazards Countywide;

SECTION SEVEN

- Coordinate with participating jurisdictions to review and update the LHMP;
- Complete a comprehensive detailed risk assessment updating costs and facilities;
- Complete a comprehensive detailed mitigation strategy review and revision;
- Update the Mitigation Action Plan for all participating jurisdictions identifying the status of the currently identified actions and adding newly considered, prioritized, and assigned actions;
- Present LHMP to Cal OES and FEMA for review and approval;
- Present LHMP to each governing agency for adoption; and
- Return a copy of the finalized LHMP with adoption resolutions from all participating jurisdictions to FEMA to finalize FEMA's approval.

CRITERIA FOR REVISIONS TO THE LHMP

- New technology;
- If changing situations have modified goals/objectives/actions and/or hazards;
- New information to update vulnerability assessments;
- Shifts in development;
- Participating jurisdictions who wish to be added or removed from the plan;
- Areas affected by recent disasters; and/or
- Significant changes in Federal, State or County regulations, codes, ordinances or policies.

CONTINUED PUBLIC INVOLVEMENT

Stanislaus County remains dedicated to involving the public in the continual reshaping and updating of the LHMP. The website designed for the plan update will remain live and the updated plan will be posted. This will provide an opportunity for the public to comment on the plan at any time. In addition to the plan being downloadable from the OES website, the site also contains contact information with an e-mail address and phone number to which people can direct their comments or concerns.

The Assistant Director of Emergency Services also has the opportunity to raise County and community awareness of the LHMP by his attendance and participation at other meetings such as: the Operational Area Council, Disaster Council, Fire Chief's Association, and Department Head meetings, to name a few. Operational Area Council meetings are attended by all nine cities as well as participating agencies such as the American Red Cross, United Way, Latino Emergency Council, private industry, schools, California Emergency Management Agency, CERT, Mountain Valley EMSA, utilities, Faith Based Organizations, and other Stanislaus County departments. Any public comments received regarding the LHMP will be collected by OES, included in the annual report, and considered during future plan updates.

SECTION SEVEN



LOCAL HAZARD MITIGATION PLAN PARTICIPATING JURISDICTION PROGRESS REPORT FORM

PURPOSE

As part of the Plan Maintenance Process for the LHMP, the Office of Emergency Services will convene the LHMP Planning Team and conduct an annual review to monitor the progress in implementing the LHMP. The LHMP Progress Report Form has been developed for this purpose and will be completed annually.

The LHMP Progress Report Form will provide the basis for possible changes to the overall LHMP and the County and/or jurisdiction will have an opportunity to refocus on any new or more threatening hazards. This will allow the County to make any necessary adjustments to, or changes in resource allocations, and engage additional support for the LHMP implementation, if warranted. The findings will be reviewed by the Assistant Director of Emergency Services and used for the next plan update.

LHMP ANNUAL PROGRESS REPORT		
Date:		
Name of Department:		
Contact Name:	Email:	Phone#:
SUMMARY OF PROGRESS—CHECKLIST REVIEW		
Have any new hazard/disaster events occurred during the reporting period? If so, list the events.		
Did anyone from the public comment on the plan during this reporting period? If so, list comments.		
Do the goals and objectives address current and expected conditions? If not, explain further below.		
Were any mitigation projects identified in the LHMP implemented during this reporting period?		
What obstacles, problems, or delays did any current or ongoing mitigation projects encounter, if any? How were the problems solved?		
Are the current resources appropriate for implementing the plan?		

SECTION SEVEN

Have the outcomes occurred as expected?	
Have the agencies participated as proposed?	
Where shortcomings are identified, what can the County do to bring things back on track?	
Have there been changes in development trends that could create additional risks? Please explain.	
PROGRESS REPORT VERIFICATION	
Print Name of Contact Person:	
Signature:	Date Signed:

Appendix C

Notices to Public and Public Outreach Efforts

DRAFT

Appendix C will be added to the WSCP when public notices have been issued.

Appendix D

City Resolution Adopting WSCP

DRAFT

Appendix D will be added to the WSCP prior to submitting to the DWR.

Appendix I

UWMP Adoption Resolution

Appendix I will be inserted when available.



CITY OF OAKDALE
CITY COUNCIL STAFF REPORT

Date: December 20, 2021

To: Mayor Bairos and Members of the City Council

From: Cody Bridgewater, Public Works Superintendent

Reviewed by: Jeff Gravel, Public Services Director

Subject: Consideration of a Resolution Approving the Purchase of a 2017 CAT GP25N Fork Lift from Holt of California in the Amount of \$28,340.07 Funded by Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644 as Well as Authorize the Surplus of a 1998 Nissan S-D25 Fork Lift

I. BACKGROUND

The City needs to purchase a new Fork Lift for the Public Works Corporation Yard in order to remain in compliance with the San Joaquin Valley Air Pollution Control District (Air Board). The City is mandated by our operating permit with the Air Board to reduce our diesel emissions by upgrading our fleet as it ages. In an effort to decrease our emissions, the City is proposing to replace its 1998 Nissan S-D25 which is diesel powered with a liquid propane unit.

II. DISCUSSION

The Air Board requires the City, as well as other municipalities, to comply with Off-Road Diesel restrictions. In order to remain in compliance, the City needs to retire portions of its diesel fleet as it ages. The 1998 Nissan Fork Lift is the oldest in the fleet, and is next up for replacement. This piece of equipment must be retired by January 1, 2022. City Staff is also requesting permission from the City Council to surplus this fork lift by means of sale or auction. City Staff requested bids from two vendors for only used equipment. The cost of new equipment (\$55,000+) exceeds the budgeted amount, so Staff is requesting to purchase a used unit.

Holt of California provided the best deal on used equipment:

- 2017 CAT GP25N, 994 hours, 5000 lb lift.

Vendor	Price
Holt of California	\$28,340.07
Pape Material Handling	\$29,255.83



CITY OF OAKDALE
City Council Staff Report (Continued)

SUBJECT: Electric Fork Lift Purchase
MEETING DATE: December 20, 2021
REPORT DATE: December 3, 2021

III. FISCAL IMPACT

Monies for this equipment have been included in this fiscal year's budget in the Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644. The total cost with tax \$28,340.07.

IV. RECOMMENDATION

That the City Council adopt the Resolution Approving the Purchase of a 2017 CAT GP25N Fork Lift from Holt of California in the Amount of \$28,340.07 Funded by Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644 as Well as Authorize the Surplus of a 1998 Nissan S-D25 Fork Lift

V. ATTACHMENTS

Attachment A: Draft City Council Resolution 2021-__
Attachment B: Purchase Quote



IN THE CITY COUNCIL
OF THE CITY OF OAKDALE
STATE OF CALIFORNIA
CITY COUNCIL RESOLUTION 2021-__

A RESOLUTION APPROVING THE PURCHASE OF A PURCHASE OF A 2017 CAT GP25N FORK LIFT FROM HOLT OF CALIFORNIA IN THE AMOUNT OF \$28,340.07 FUNDED BY SEWER CAPITAL REPLACEMENT FUND 621 AND WATER CAPITAL REPLACEMENT FUND 644 AS WELL AS AUTHORIZE THE SURPLUS OF A 1998 NISSAN S-D25 FORK LIFT

THE CITY OF OAKDALE CITY COUNCIL DOES HEREBY RESOLVE THAT:

WHEREAS, The City needs to purchase a new Fork Lift for the Public Works Corporation Yard by January 1, 2022 that is in compliance with the San Joaquin Valley Air Pollution Control District; and

WHEREAS in an effort to decrease our emissions, the City is proposing to replace its 1998 Nissan S-D25 which is diesel powered; and

WHEREAS, in order to remain in compliance, the City needs to retire portions of its Diesel fleet as it ages; and

WHEREAS, the cost of the new equipment exceeds the budgeted amount, so Staff is requesting to purchase a used unit; and

WHEREAS, the total cost of the unit with tax is \$28,340.07 from Holt of California; and

WHEREAS, Monies for this equipment have been included in this fiscal year's budget in the Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644.

NOW, THEREFORE, BE IT RESOLVED that the **CITY COUNCIL of the CITY OF OAKDALE** hereby authorizes the purchase of a 2017 CAT GP25N Fork Lift from Holt of California in the amount of \$28,340.07 funded by Sewer Capital Replacement Fund 621 and Water Capital Replacement Fund 644 as well as authorize the Surplus of a 1998 Nissan S-D25 fork lift.

THE FOREGOING RESOLUTION IS HEREBY ADOPTED THIS 20th DAY OF DECEMBER, 2021, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAINED: COUNCIL MEMBERS:

ATTEST:

SIGNED:

Rouze Roberts, City Clerk

Cherilyn Bairos, Mayor



Sales Quote

Reference M17346

Invoice Amount: **\$28,340.07**

1234 WEST CHARTER WAY, STOCKTON, CA 95206
 STOCKTON 1234 MHD (209) 946-6516

Invoice Date: **11/24/2021 Wed 12:49 PM**
 Delivery Date: **11/24/2021 Wed 08:00 AM**



Bill to: Customer: **1050930**
CITY OF OAKDALE
280 N. THIRD AVE
OAKDALE, CA 95361

Jobsite: **CORP YARD**
 Contact: **STAN MILAM**
 Phone: **209 505 6823**
455 S. 5TH ST
OAKDALE, CA

Signed By:
 Ordered By: **STAN MILAM**

Written By: **Dave Zieour**
 Sales Rep: **RANDY KUHNLE**
 PO #: **TBD**

QTY	DESCRIPTION	PRICE	EXTENDED
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Sale Items

1.0	ID:GW17-14 SERIAL:AT35A03384 MODEL:GP25N5 FORKLIFT 4-5000# PNEUMATIC	25,900.00	25,900.00
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Reference	Description	O	Make	Seq	Id	Serial
GP25N5-LE	5000# CHASSIS LPG FUEL	Y	AB	10		
5M25C48	188/84.5/36" FFT MAST	Y	AB	20		
FKPH42-25I	1.6 X 3.9 X 42" FORKS	Y	AB	30		
SSHO39P25I	39.5" HANG ON SIDESHIFTER	Y	AB	40		
3VTRIP15I	SINGLE FUNCTION INHOSE	Y	AB	50		
SPT1D1SP25I	SOLIDS PNEU DRIVE & STEER TIRE	Y	AB	60		
RGHP15I	REAR GRAB HANDLE WITH HORN	Y	AB	70		
STKNBP15I	STEERING WHEEL KNOB	Y	AB	80		
UBSP15I	UNDERBELLY SCREEN	Y	AB	90		
RADSCR15I	RADIATOR SCREEN	Y	AB	100		
AIRCLDEP15I	DUAL ELEMENT AIR CLEANER	Y	AB	110		
RLMRLP15I	PREMIUM WORK LIGHT PACKAGE	Y	AB	120		
SRVCUNDO15I	SERVICE INDICATOR PACKAGE	Y	AB	130		
TC-3370I	REVERSE ACTIVATED BLUE SPOTLIG	Y	AB	140		



Sales Quote

Reference M17346

Invoice Amount: **\$28,340.07**

1234 WEST CHARTER WAY, STOCKTON, CA 95206
 STOCKTON 1234 MHD (209) 946-6516

Invoice Date: **11/24/2021 Wed 12:49 PM**
 Delivery Date:



Bill to: Customer: **1050930**
CITY OF OAKDALE
280 N. THIRD AVE
OAKDALE, CA 95361

Jobsite: **CORP YARD**
 Contact: **STAN MILAM**
 Phone: **209 505 6823**
455 S. 5TH ST
OAKDALE, CA

Signed By:
 Ordered By: **STAN MILAM**

Written By: **Dave Zieour**
 Sales Rep: **RANDY KUHNLE**
 PO #: **TBD**

QTY DESCRIPTION	DAY	WEEK	MONTH
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Sale Items

DRWPINP15I	DRAWBAR PIN	Y	AB	150
SPI-10041-1	5# FIRE EXTINGUISHER	Y	AB	160
SPI-10952-6	GRAMMER SEAT FULL SUSPENSION V	Y	AB	170
HOLT	NSTALL 43# STEEL LP TANK	Y	AB	180
HOLT	NSTALL BAJA KIT	Y	AB	190
HOLT	NSTALL ENGINE UNDERHOOD LIGH	Y	AB	200
MAST	5M25C4860831	Y	AB	210
CASCADE S/S	55F-SSS-A223-W-0.027-R4	Y	AB	220
ENGINE	MFG:GCT TYPE:LP MDL:K25L YR:20	Y	AB	230
SN:26157OY	2.5L FMLY:HNFXB02.548D	Y	AB	240
TIRE	SLD PNEU D:7.00X12 S:6.00X9	Y	AB	250
GALLO EIN#	RR6M75	Y	AB	260

Miscellaneous Items

1 DELIVERY CHARGES	250.00 each	250.00
State 7.25% County 0.625% City 0.5% Total Tax: 8.375%		2,190.07
Total:		28,340.07

THE ADDITIONAL TERMS AND CONDITIONS ON THE REVERSE SIDE ARE PART OF AND INCORPORATED IN THIS AGREEMENT. THIS AGREEMENT SHALL NOT BE CONSIDERED ENFORCEABLE UNTIL ACCEPTED BY HOLT AND EXECUTED BY ITS OFFICER. ANY INDIVIDUAL SIGNING THIS AGREEMENT REPRESENTS AND WARRANTS THAT HE/SHE IS AT LEAST 18 YEARS OLD AND HAS THE AUTHORITY TO BIND CUSTOMER TO THE TERMS OF THIS AGREEMENT.

Estimated Total: 28,340.07

Holt of California Employee Signature	Employee Print Name	Customer Print Name	Title
Date Delivered _____	Time _____ AM / PM	Customer Signature _____	
Date Returned _____	Time _____ AM / PM	Received, Holt of California _____	
Date Called Off _____	Time _____ AM / PM	Called Off By _____	

1. PARTIES. This Sale Order/Quotation ("Agreement") is made by and between Holt of California dba The CAT Rental Store as seller ("Holt") and Customer described on the front of this Agreement as buyer and is effective when signed by Holt and Customer. This Agreement may be executed and delivered by facsimile.

2. SALE OF GOODS. Seller shall transfer and deliver to Customer, and Customer shall pay for and accept, the material and equipment described on the front of this Agreement ("Goods"). The time of delivery of the Goods shall be on or about the Estimated Delivery Date, provided that Holt may change the Estimated Delivery Date without Customer's consent, and Holt shall not be liable for delays in delivery of the Goods. The place of delivery shall be Holt's place of business. Risk of loss shall pass to Customer upon delivery of the Goods to Customer or to Customer's shipper. Customer shall pay for the Goods upon tender of the delivery of the Goods by Holt.

3. INSPECTION. Customer shall have the right to inspect the Goods at the time and place of delivery before paying for or accepting them. Upon Customer's acceptance of the Goods, Customer shall be conclusively presumed to be satisfied with the condition and conformance of the Goods.

4. WAIVER/AMENDMENTS. The failure by Holt to enforce any provision hereof shall not constitute a waiver by Holt of such provisions, nor of any subsequent breach of the same, nor of any other provision hereof. This Agreement constitutes the entire agreement between the parties, and supersedes all prior and contemporaneous agreements or understandings of the parties. No amendment shall be binding unless in writing and signed by the parties. No party has been induced to enter into this Agreement by, nor is any party relying on, any representation or warranty outside those expressly set forth in this Agreement. Any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in interpreting this Agreement. No agent, employee or representative of Holt has the authority to bind Holt to any representation or warranty regarding the Goods that is not contained in this Agreement.

5. LIMITATION OF ACTIONS. Any action for breach of this Agreement must be commenced within one year after the facts giving rise to the cause of action.

6. ASSIGNMENT. This Agreement may be assigned by Holt to a third party without the prior consent of Customer.

7. ATTORNEY'S FEES. In any litigation, arbitration or other proceeding by which one party seeks to enforce its rights under this Agreement (whether in contract, tort, or both), the prevailing party shall be awarded reasonable attorney's fees, costs, and expert witness fees.

8. VENUE. Any dispute that arises between the parties shall be resolved in the Superior Court of California, County of Sacramento, located in Sacramento, California.

9. CALIFORNIA LAW. This Agreement, and any dispute between the parties, shall be governed by California law. If any provision of this Agreement is held to be invalid in whole or in part, the validity of the remaining provisions shall not be affected.

10. INDEMNITY. Customer shall take all necessary precautions regarding the Goods and protect all persons and property from injury or damage. CUSTOMER SHALL INDEMNIFY AND HOLD HOLT FREE AND HARMLESS AGAINST ANY AND ALL CLAIMS, LOSS, DAMAGE, LIABILITY, EXPENSE (INCLUDING ATTORNEY'S FEES) AND PENALTY OF ANY KIND OR NATURE WHATSOEVER, INCLUDING WITHOUT LIMITATION INJURIES OR DEATH TO PERSONS AND DAMAGE TO PROPERTY ARISING OUT OF THE USE, MAINTENANCE, OPERATION, STORAGE, INSTRUCTION, DELAY (INCLUDING ANY DELAY IN OR FAILURE OF DELIVERY), SELECTION, PURCHASE, ACCEPTANCE OR REJECTION, OWNERSHIP, CONDITION, REPAIR OR POSSESSION OF THE GOODS OR ITS HANDLING OR TRANSPORTATION EXCEPT CLAIMS ARISING THROUGH THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF HOLT, WHETHER ATTRIBUTABLE TO

A DEFECT IN THE GOODS, THE MATERIAL USED THEREIN OR THE DESIGN, MANUFACTURE OR TESTING OF THE GOODS, REGARDLESS OF WHETHER ANY SUCH DEFECT IS DISCOVERED, OR WHETHER THE GOODS ARE IN POSSESSION OF CUSTOMER OR THE LOCATION OF THE GOODS. CUSTOMER IS FULLY AWARE AND ACKNOWLEDGES THERE IS A RISK OF INJURY OR DAMAGE ARISING OUT OF THE USE OR OPERATION OF THE GOODS AND HEREBY ELECTS TO VOLUNTARILY ASSUME ALL OF THE ABOVE RISKS OF INJURY OR DAMAGE. CUSTOMER AGREES TO RELEASE AND DISCHARGE HOLT FROM ANY AND ALL RESPONSIBILITY OR LIABILITY FROM SUCH INJURY OR DAMAGE ARISING OUT OF THE USE OR OPERATION OF THE GOODS; AND CUSTOMER FURTHER AGREES TO WAIVE, RELEASE AND DISCHARGE ANY AND ALL CLAIMS FOR INJURY OR DAMAGE AGAINST HOLT WHICH CUSTOMER OTHERWISE MAY BE ENTITLED TO ASSERT.

11. DISCLAIMER OF WARRANTIES/WAIVER OF DAMAGES. EXCEPT AS OTHERWISE PROVIDED IN WRITING, NO WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE OR HAVE BEEN MADE OR AUTHORIZED BY HOLT WITH RESPECT TO THE GOODS AND ALL SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED BY HOLT. THE GOODS SOLD UNDER THIS AGREEMENT ARE PURCHASED BY CUSTOMER "AS IS" AND HOLT DOES NOT WARRANT THAT THEY ARE OF MERCHANTABILITY OR THAT THEY CAN BE USED FOR ANY PARTICULAR PURPOSE. CUSTOMER ACKNOWLEDGES THAT IF THERE IS A WARRANTY FOR THE GOODS, IT IS PROVIDED BY THE MANUFACTURER AND NOT BY HOLT. Customer acknowledges that it has selected the Goods on the basis of its own judgment and expressly disclaims any reliance upon any statements or representation made by Holt. Holt shall not be responsible to Customer for loss of use of Goods, loss of profits, or any other consequential damages. Holt shall not be liable for failure to deliver the Goods, or for any damages resulting from the selection, installation, operation or use of the Goods. Holt's liability regarding the Goods and/or this Agreement for any damages, whether arising in contract, tort, or otherwise, shall be limited to the aggregate price of the Goods paid as of the date of the claim giving rise to the alleged damages.

12. SECURITY INTEREST. Customer hereby grants Holt a security interest in the Goods, including any attachments, accessions, and proceeds, to secure payment of the sales price and performance of Customer's obligations under this Agreement. Customer authorizes Holt to file such forms and documents as reasonably required by Holt to perfect its security interest, including but not limited to a UCC-1 financing statement with the California Secretary of State's Office. Holt shall have all of the rights of a secured party pursuant to the California Commercial Code until the Goods are paid in full.

13. BILL OF SALE FOR PROPERTY TAKEN IN TRADE. For value received, Customer grants, sells, transfers and delivers to Holt the trade in equipment ("Equipment") described on the Agreement. Customer hereby certifies that the Equipment is owned by Customer, and there is no lien, claim, debt, mortgage or encumbrance of any kind, nature or description against the Equipment. Customer shall assume all risk of loss and/or damage to the Equipment, beyond normal wear, until it is delivered to Holt, and Holt shall not be obligated to take the Equipment in trade unless and until Holt accepts physical delivery of the Equipment.



CITY OF OAKDALE
CITY COUNCIL STAFF REPORT

Meeting Date: December 20th, 2021

To: Mayor Bairos and Members of the City Council

From: Tim Tietjen Assistant Fire Chief

Reviewed by: Bryan Whitemyer, City Manager

Subject: **Discuss, Review, and Approve the Fire Services Agreement Extension between the City of Modesto, City of Oakdale, and Oakdale Fire Protection District for Fiscal Years 2022/2023 through 2026/2027**

I. BACKGROUND

The City of Oakdale and the Oakdale Fire Protection District are nearing the end of a two-year contract for fire protection services with the City of Modesto. We have been in discussions over the last 6 months on an extension to this agreement. We believe that the partnership and regionalization effort has been successful and a benefit to all three agencies.

II. DISCUSSION

In 2019 we had less than 30 days to prepare a contract for Fire Protection Services between the City of Modesto, City of Oakdale, and the Oakdale Fire Protection District. Over the last two years we have had the opportunity to watch how those decisions played out in real time. We believe that it has been a success and an example of how well regionalization can work. These experiences have led us to propose a 5-year extension to this contract. The terms of this agreement would begin on July 1, 2022 through June 30, 2027.

III. FISCAL IMPACT

It is expected that the City of Oakdale will see a net savings over the cost of staffing a stand-alone fire department

IV. RECOMMENDATION

It is staff's recommendation that the City Council authorize the City Manager to execute the agreement for Fire Protection Services between the City of Modesto, City of Oakdale, and the Oakdale Fire Protection District.



CITY OF OAKDALE
City Council Staff Report (Continued)

SUBJECT:
MEETING DATE:
REPORT DATE:

V. ATTACHMENTS

- A. Resolution 2021- XXX
- B. Fire Protection Services Contract
- C. Exhibit "A" Equipment
- D. Exhibit "B" Oakdale and District Stations
- E. Exhibit "C" Service Boundaries Map
- F. Exhibit "D" Fee payment schedule



IN THE CITY COUNCIL
OF THE CITY OF OAKDALE
STATE OF CALIFORNIA
CITY COUNCIL RESOLUTION 2021-_____

A RESOLUTION OF THE CITY OF OAKDALE CITY COUNCIL APPROVING THE FIRE SERVICE AGREEMENT EXTENSION BETWEEN THE CITY OF MODESTO, CITY OF OAKDALE, AND OAKDALE FIRE PROTECTION DISTRICT FOR FISCAL YEARS 2022/2023 THROUGH 2026-2027 AND AUTHORIZING THE CITY MANAGER TO EXECUTE AGREEMENT

THE CITY OF OAKDALE CITY COUNCIL DOES HEREBY RESOLVE THAT:

WHEREAS, the City of Oakdale and the Oakdale Fire Protection District are nearing the end of a two-year contract for fire protection services with the City of Modesto; and

WHEREAS, over the last two years this partnership has proven to be a tremendous success; and

WHEREAS, the City of Oakdale desires to extend the agreement for Fire Protection Services with the City of Modesto for an additional five year period running from Fiscal Year 2022/2023 through 2026/2027; and

WHEREAS, this agreement allows the City of Oakdale to receive Fire Protection Services at a higher level and lower cost than if it were to staff its own stand-alone department.

NOW, THEREFORE, BE IT RESOLVED that the **CITY COUNCIL** of the **CITY OF OAKDALE** hereby approves the Fire Services Agreement Extension between the City of Modesto, City of Oakdale, and Oakdale Fire Protection District for Fiscal Years 2022/2023 through 2026/2027 and authorizes the City Manager to execute the agreement.

THE FOREGOING RESOLUTION IS HEREBY ADOPTED THIS 20th DAY OF December, 2021, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAINED: COUNCIL MEMBERS:

SIGNED:

Cherilyn Bairos, Mayor

ATTEST:

Rouzé Roberts, City Clerk

AGREEMENT TO PROVIDE FIRE PROTECTION SERVICES BETWEEN THE CITY OF MODESTO, THE CITY OF OAKDALE, AND THE OAKDALE FIRE PROTECTION DISTRICT

This Agreement (“Agreement”) is made and entered into this 1st day of July 2022 (the “Effective Date”), by and between the City of Modesto (“City”), a California municipal corporation, the City of Oakdale (“Oakdale”), a California municipal corporation, and the Oakdale Fire Protection District (“District”), a California special district. City, Oakdale, and District are sometimes individually referred to as a “Party” and collectively referred to as the “Parties” in this Agreement.

RECITALS

WHEREAS, City provides fire protection, prevention, suppression services, and related services such as emergency medical services, emergency preparedness, mitigation of hazardous materials incidents, and special operations including, but not limited to, confined space rescue, technical rescue, and water rescue within the territorial limits of the City and in unincorporated areas of the County of Stanislaus (“County”); and

WHEREAS, Oakdale and District desire to contract with City for the provision of fire protection services, within Oakdale’s and District’s jurisdictional boundaries; and

WHEREAS, City is willing and able to perform fire protection services; and

WHEREAS, the Parties desire to enter into a fruitful and long-term partnership for the provision of such fire protection services; and

WHEREAS, the Parties agree that this Agreement will ensure provision of fire protection services within Oakdale and the District; and

WHEREAS, it is the desire of the Parties to address, by this Agreement, all matters which are related to the services to be provided to Oakdale and District by City; and

WHEREAS, this Agreement is entered into pursuant to Government Code sections 54981 and 6502, and Health and Safety Code section 13800 *et seq.*, including, but not limited to, sections 13861, 13862, 13863, and 13878; and

WHEREAS, the Parties acknowledge they have complied with the provisions of the Meyers-Milias-Brown Act (Gov. Code §§ 3500 *et seq.*) and applicable laws, rules, and ordinances with respect to its employees affected by this Agreement.

NOW, THEREFORE, for and in consideration of the mutual covenants in this Agreement, it is agreed by and between the Parties hereto as follows:

ARTICLE I DEFINITIONS

1.1. Capital Improvements.

"Capital Improvements" means any planned improvements, capital upgrades, or replacements of equipment, vehicles, apparatuses, fire stations and/or other facilities or property, excluding Major Repairs and Minor Repairs.

1.2. Fire Services.

"Fire Services" means those services described in Article IV of this Agreement and listed under Health and Safety Code section 13862.

1.3. Fiscal Year.

"Fiscal Year" means the annual period commencing on July 1 and ending June 30 of any calendar year.

1.4. Major Repair.

"Major Repair" means any unplanned repair or maintenance work in excess of \$5,000.

1.5. Minor Repair.

"Minor Repair" means any repair or maintenance work of a preventive and routine nature due to normal wear and tear for \$5,000 or less.

ARTICLE II TERM OF AGREEMENT

2.1. Initial Term. The initial term of this Agreement shall be for five(5) years from July 1, 2022 through June 30, 2027.

2.2. Extension of Term. This Agreement may, by approval of all Parties and their governing bodies, be extended for one additional two (2) year term; provided, however, that all Parties receive final approval for such extension no later than June 30, 2026. Due to Fiscal Year appropriation and budget planning, June 30, 2026 shall be considered a firm date, unless all the Parties agree in writing to allow a later date for approval by the Parties' respective governing bodies.

2.3. Termination. Notwithstanding Sections 2.1 and 2.2 and any other provision of this Agreement, any Party may terminate this Agreement by providing twelve (12) months' written notification to the other Parties, and the term of this Agreement or any extension thereof shall be shortened accordingly. Written notification of termination shall be in the form of a Resolution by the applicable Party's governing body. The twelve (12) months' written notification requirement shall not be triggered until such Resolution is tendered, delivered, or

mailed to the other Parties. Notwithstanding the foregoing, the City may terminate this Agreement pursuant to Section 6.2 of this Agreement. .

ARTICLE III OAKDALE AND DISTRICT STATIONS, VEHICLES, AND EQUIPMENT

3.1. **Title and Use of Equipment, Vehicles and Apparatuses.** Oakdale and District shall maintain ownership and title of vehicles, equipment, and apparatuses, including such property identified in Exhibit A, and shall permit, allow, and does hereby authorize City to utilize such property (and any other such property, vehicles, apparatuses, or equipment so hereafter acquired by Oakdale and District) to provide services to Oakdale and District pursuant to this Agreement, and provide any necessary, required, or reasonably requested local, state, and federal mutual and automatic mutual aid, or statewide master mutual aid and assistance by hire pursuant to the California Fire Assistance Agreement. Each apparatus shall be assigned to the Party's station that owns the apparatus and equipment. Exception will be for short-term or special need use elsewhere in the City system.

3.2. **Title and Use of Stations.** Oakdale shall maintain ownership and title of Fire Station 27 (450 S Willowood Drive, Oakdale, California), Fire Station 28 and Fire Station 28 Training Annex (325 E. G Street, Oakdale, California). District shall maintain ownership and title of Fire Station 29 (17700 Main Street, Knights Ferry, California) and Fire Station 30 (13200 Valley Home Road, Valley Home, California). Oakdale and District shall provide the City with full and complete access and full and complete use of Fire Station 27, Fire Station 28 and Fire Station 28 Training Annex, Fire Station 29, and Fire Station 30 (collectively, the "Stations"), as identified in Exhibit B of this Agreement, to the same extent that City would enjoy if it owned such Stations and all the fixtures, equipment, and appurtenances therein.

3.3. **Maintenance and Repairs.**

A. City shall only bear all actual costs of Minor Repairs of equipment, vehicles, and apparatuses and Stations owned by District and Oakdale, including such property identified in Exhibit A and Exhibit B.

B. Major Repairs shall be promptly paid by the Party with ownership or title of such property. For any third-party products or services needed to effectuate such repairs, the owning Party shall be required to procure and contract the necessary services or products and comply with all laws and rules regarding same. City shall not bear any financial responsibility or liability arising from, or related to, Major Repairs and the owning Party agrees to defend, indemnify, and hold the City harmless from any such liability. In the event that Oakdale or District contracts or otherwise hires a third-party contractor to perform any Major Repairs, Oakdale or District shall require any such third-party contractor to have general liability insurance with minimum limits of \$2,000,000 per occurrence and \$4,000,000 in the aggregate. City shall be named as an additional insured on any such coverage

C. Notwithstanding those duties set forth in the preceding paragraph, the City shall serve as project manager for Major Repairs. As project manager, City shall provide cost estimates, plan and coordinate the work, and seek approval from District or Oakdale prior to the commencement of work. City shall facilitate and manage the work through completion and keep District and Oakdale reasonably abreast of any material changes, including without limitation, changes in scope of work, budget, and/or change orders.

D. Should an insurable event result in damage to any property or Stations owned by District or Oakdale, including such property identified in Exhibit A and Exhibit B, the Party with title or ownership of such property shall bear the portion of the actual replacement cost exceeding any insurance proceeds collected by such Party for said damage.

3.4. Inspection of Oakdale and District-Owned Property. City agrees to reasonably inspect all real property, buildings, equipment and apparatuses owned by Oakdale or District, including such property identified in Exhibit A and Exhibit B to ensure they meet the appropriate and applicable fire service and safety standards.

3.5. Capital Improvements.

A. Capital Improvements shall be paid for by the Party with ownership or title of such property. For any third-party products or services needed to effectuate such Capital Improvements, the owning Party shall be required to procure and contract the necessary services or products and comply with all laws and rules regarding same. City shall not bear any financial responsibility or liability arising from, or related to, such Capital Improvements and the owning Party agrees to defend, indemnify, and hold the City harmless from any such liability. In the event that Oakdale or District contracts or otherwise hires a third-party contractor to perform any Capital Improvement, Oakdale or District shall require any such third-party contractor to have general liability insurance with minimum limits of \$2,000,000 per occurrence and \$4,000,000 in the aggregate. City shall be named as an additional insured on any such coverage.

B. Notwithstanding those duties set forth in the preceding paragraph, the City shall serve as project manager for Capital Improvements. As project manager, City shall provide cost estimates, plan and coordinate the work, and seek approval from District or Oakdale prior to the commencement of work. City shall facilitate and manage the project through completion and keep District and Oakdale reasonably abreast of any material changes, including without limitation, changes in scope of work, budget, and/or change orders.

C. Oakdale and District shall maintain a Capital Improvements program for projects to ensure funds are annually appropriated for the actual costs required to replace, improve, and/or repair their respective facilities, Stations, apparatuses, equipment, and property described herein (*e.g.* roofs, HVAC systems, exterior/interior paint, etc.). If the City identifies any needed Capital Improvements it must submit them annually to Oakdale and/or District by March 15th, with cost estimates and reasonable supporting documentation, for Oakdale and District's annual budget development process.

3.6. Return Upon Termination. City will return all equipment, apparatuses, property, and Stations, including such property identified in Exhibit A and Exhibit B, to District and Oakdale upon termination of this Agreement, with reasonable wear and tear expected.

**ARTICLE IV
DUTIES OF CITY UNDER THIS AGREEMENT**

4.1. **Scope of Services.** City shall provide Fire Services, as more specifically described in this Article, within the jurisdictional area of Oakdale and District (see Exhibit C for service area map). In providing such services, City shall administer the provisions of Oakdale Municipal Code Chapter 12 entitled “Fire Protection” (“Oakdale Fire Code”) and the most recent modification of the State Fire and Building Code enacted by District. Throughout the term of the Agreement and as reasonably needed or as requested by Oakdale or District, City shall consult with Oakdale or District regarding City's implementation of the provisions of this Agreement.

4.2. **Bi-Annual Review of Services.** Unless otherwise waived by all the Parties, City agrees to, and shall cooperate in, a bi-annual review of the expectations outlined in this Article, that shall take place at a mutually agreeable time between the Parties. If areas of improvement are identified in the course of this review, then a reasonable corrective action plan shall be mutually developed and agreed upon. Such corrective action shall be memorialized in a writing signed by all the Parties.

4.3. **Advisory Committee.** An Advisory Committee, consisting of Oakdale City Manager, two representatives from the Oakdale City Council, two representatives from the District Board, and the City’s Fire Chief and Modesto City Manager, shall be formed to discuss and provide advisory input regarding the delivery of Fire Services for Oakdale and District. The Advisory Committee shall agree to meet no less than twice per year at a mutually agreeable time and location.

4.4. **Description of Support and Fire Prevention Services to be provided by City.** The City shall provide the following fire prevention and support services necessary to maintain Fire Services within Oakdale and District:

A. Fire Services program planning and administration consistent with the terms and conditions of this Agreement.

B. Assist in the development and administration of annual Oakdale and District Fire Services budgets.

C. Delivery and documentation of federal and state-mandated firefighter training as well as provision of additional training as authorized and funded within the City’s budget.

D. Assist with emergency and disaster management within the Oakdale Emergency Operations Center as timely requested by the Oakdale City Council.

E. Coordination of procurement of all routine operational supplies, services, and equipment as necessary to provide the Fire Services outlined in this Agreement.

F. When requested by Oakdale and District, provide plan review services of all development and building plans to ensure compliance with applicable fire and life safety codes and regulations, as well as inspection of fire protection and fire alarm systems for compliance with applicable codes and standards. Oakdale and District shall collect fees and

automatically reimburse the City for fire prevention services at rates that are identified in Oakdale's and District's fire prevention rate schedule.

G. City shall coordinate and provide reasonable assistance to help ensure that fire safety inspections of all state-mandated occupancies and enforcement of weed abatement within Oakdale and District will be performed by the Stanislaus County Fire Wardens Office at no cost to either Oakdale, District or City; provided, that sufficient funding continues through the "Less Than Countywide Fire Tax" assessment.

H. Inspections of Business, Commercial and Industrial occupancies. Fees collected by Oakdale and District will be provided to City for providing this service.

I. Investigation of all fires to establish origin and cause as well as coordination with law enforcement on all criminal prosecutions resulting from such investigations. The City may contract for fire investigation services. This service will be provided through the Stanislaus Regional Fire Investigation Unit and will be paid for through the "Less Than Countywide Fire Tax" assessment.

J. Maintenance of sufficient, segregated records relating to provision of Fire Services to Oakdale and District, including, but not limited to response time data for all incident responses. At a minimum, such records shall be sufficient to meet any and all federal and state reporting obligations as they relate to the provision of Fire Services, including but not limited to annual audits, mutual aid, and reimbursement for disaster response, hazardous material response, or other incident responses. Such records, reports and response data shall be provided to Oakdale and District at their request.

K. Annual Inspections of the Oakdale Police Department holding cell and the Oakdale Municipal Airport.

L. Enforce the provisions of Chapter 12 of the Oakdale Municipal Code relating to Fireworks (which adopts and amends the California Fire Code) and as that Chapter may be amended in the future. Enforcement of illegal fireworks will not be the responsibility of the City. City will coordinate and reasonably assist with applicable law enforcement agencies on the enforcement.

M. Involved with Site Plan review for new proposed projects ensuring access, water supply and special conditions are included in the design. City shall be involved in General plan updates and input on Specific plan developments. City shall coordinate with Oakdale and District regarding the adoption of the Fire Code and applicable law, including Municipal Code ordinance amendments.

N. Conduct field fire flows for fire protections system design. This is a cost for service reimbursement to the City. Fees received for services delivered will be automatically reimbursed to the City.

O. Coordinate the planning, development, and delivery of fire prevention and safety education programs for schools, businesses, community associations, child-care providers, and other members of the community. Fire prevention and life safety programs will be tailored to educate Oakdale and District residents and business community in order to help preserve life

and property.

P. Participate in, plan, and inspect special events such as the annual Rodeo parade and event, Community fairs (Chocolate Festival), Farmers Market, and other special events.

Q. The City shall not provide weed abatement services, but shall work with District and Oakdale to help identify a weed abatement enforcement program.

R. City will work with Parties to address Hazard mitigation which may include coordinating Community forums to address and reduce the wildland fire threat. Specific area of concern is the Riparian Habitat along the Stanislaus River corridor in the Knights Ferry and City of Oakdale communities. Coordination will be with CalFIRE and other stakeholders.

4.5. Incident Response Within Jurisdictions of Oakdale and District. The following criteria shall apply to incident response within Oakdale and District jurisdictions, including fire suppression, emergency medical response, rescue services, hazardous materials response, and response to any other emergency or non-emergency request for service.

A. Chief Officer Coverage. City shall provide a qualified Shift Battalion Officer, to be immediately available for response and management of emergency incidents as necessary to provide incident command and coordination functions within the jurisdictional boundaries of Oakdale and District, including the authority to commit expenditure of Oakdale and District funds (e.g., request aircraft or specialized equipment or contractors) to mitigate an emergency incident.

B. Staffing. City shall provide, on a twenty-four (24) hour, seven-(7) day per-week basis, one (1) three (3)-member company at Station 27, one (1) three (3)-member company at Station 28, and one (1) three (3)-member company at Station 29. . Fire Stations 28 and 29 shall be staffed with personnel trained and qualified to perform water rescue services. Additional qualified fire personnel maybe assigned to the Oakdale and District Station(s) as determined by the City Fire Chief or his/her designee to provide supplemental Fire Services or staffing for special events, anticipated weather events, or other situations within the City's budget as that budget may be modified from year to year, and operational capacity. Minimum staffing level for District shall be three (3) members per company, and minimum staffing for Oakdale shall be three (3) members per company.

C. Emergency Dispatch Services. Oakdale and District shall continue to contract with and pay the Stanislaus Regional 911 for dispatch services.

D. Major Disaster Response. In the event of a major disaster in Oakdale and/or District, City will provide support to the Oakdale Emergency Operations Center (EOC). In the event of a multi-jurisdictional emergency or disaster, coordination of fire resources may be performed from the Emergency Operations Center.

E. Statewide Mutual Aid and Assistance by Hire. City may respond to requests for mutual aid or assistance-by-hire by other agencies within the State of California pursuant to the California Statewide Master Mutual Aid Agreement or the California Fire

Assistance Agreement, as approved by the Fire Chief or his or her authorized designee. Oakdale and/or District shall credit or reimburse City for any mutual aid monies it receives relating to City's use of personnel assigned to Oakdale and/or the District. District and/or Oakdale shall be entitled to reimbursement for apparatuses or vehicles owned by District and/or Oakdale, and City shall not claim any entitlement thereto.

4.6. **Miscellaneous.**

A. False Fire Alarms. City will enforce the provisions of Chapter 12 of the Oakdale Municipal Code providing for recovery of costs associated with responses to false fire alarms.

B. Hazardous Materials Releases. City will enforce the provisions of Chapter 12 of the Oakdale Municipal Code or Modesto Municipal Code providing for recovery of costs associated with responses to releases of hazardous materials.

C. Master Fee Schedules and Cost Recovery.

(i) District. Upon the District's adoption of an Ordinance for fee and cost recovery, and as it may be amended by the District from time-to-time, the City will administer the District's fee recovery ordinance for purposes of administering the billing and collection efforts of all such applicable fees. City also reserves the right to seek fee reimbursement for services rendered that are not covered by the District's fee ordinance or require a level of staffing and/or property that are above and beyond the usual and customary resources required for services. District shall not unreasonably withhold City's entitlement to such fees on such occasions.

(ii) Oakdale. City will be entitled to fee reimbursement for actual costs for services rendered pursuant to any and all applicable fee schedules or ordinances of Oakdale that provide and allow for such fees. Oakdale shall be responsible for administering the billing and collection efforts of all such applicable fees.

**ARTICLE V
DUTIES OF OAKDALE AND DISTRICT**

5.1. **Payment for Fire Services.** Oakdale and District shall compensate City for the provision of Fire Services as further described in Article VI of this Agreement.

5.2. **Major Repairs and Capital Improvements.** As set forth in Article III of this Agreement, Oakdale and District agree to pay for the cost of Major Repairs and Capital Improvements for all property owned by them, including such property identified in Exhibit A and Exhibit B.

**ARTICLE VI
ANNUAL FIXED FEE FOR FIRE PROTECTION SERVICES**

6.1. **Annual Fixed Fee for Services.** Oakdale and District agree to pay City for all services provided pursuant to the terms and conditions of this Agreement in the amounts and times as set forth in Exhibit D and this Article.

A. The Fee Payment Schedule as set forth in Exhibit D is based upon the five (5) year budget projection describing the total reasonably anticipated costs of providing Fire Services for each Fiscal Year or portion thereof. Should the City and Modesto City Firefighters Association (MCFFA) enter into a new memorandum of understanding or otherwise agree upon additional pay or benefits, Oakdale and District agree to increase their payments as set forth by Exhibit D to cover the additional cost of such pay or benefits. District shall pay thirty-three percent (33%) of the additional cost, Oakdale shall pay sixty-two and one-half percent (62.5%) of the additional cost, and the City shall pay four and one-half percent (4.5%) of the additional cost. Should the City realize fiscal benefits through economies of scale if it contracts with additional agencies for fire services, the fee for service paid by Oakdale and District under this Agreement may be revised. Notwithstanding any other provision of this Agreement, the annual fixed fee does not include those fees and costs not appropriated and reflected in this Agreement, including without limitation, District and/or Oakdale Pension Obligation Bond Payments, Retiree Medical Payments, and assessment collection fees, CalPERS Side Fund, Station 27 Bond Payment, and other liabilities or financial indebtedness.

B. On the last day of each month throughout the duration of this Agreement, Oakdale and District agree to remit to City payments amounting to 1/12th of each of their respective annual fiscal obligation hereunder, pursuant to the fee schedule set forth in Exhibit D. Oakdale and District are responsible to pay the full monthly amounts as each are required pursuant to Exhibit D.

6.2. **Delinquent Payments.** In the event that Oakdale or District fails to pay the entire amount described in Section 6.1.B. above within fifteen (15) calendar days of the due date, interest shall accrue to the unpaid balance at an annual equivalent rate equal to the higher of (1) the Prior Year Penalty Factor; or (2) the legal rate of interest on a judgment in the Superior Courts of the State of California, determined from the date the payment was originally due. The Prior Year Penalty Factor shall be the interest rate earned on City's entire investment portfolio for the preceding Fiscal Year plus two percent (2%). For example, if the rate of return on City's entire investment portfolio for the preceding Fiscal Year was four percent (4%), the Prior Year Penalty Factor will be six percent (6%).

A. In the event that Oakdale or District does not pay the required monthly payment as identified in Section 6.1.B. within thirty (30) calendar days of the due date, the City shall provide notice that all Fire Services may be terminated in thirty (30) calendar days.

B. In the event that Oakdale or District does not pay the required monthly payment plus interest at the end of the thirty (30) calendar day notification period give pursuant to Section 6.2.A, the City shall have the option to terminate Fire Services immediately and without further notice.

6.3. **Service Level Reductions.** If budgetary constraints require service level reductions by any Party, all Parties agree to meet and confer.

ARTICLE VII PERSONNEL

7.1. **Effect of Termination.** Upon the expiration of this Agreement, it is Oakdale and District's present intent to offer employment to City fire department personnel so affected by such termination.

7.2. **Subject to Personnel Rules and Laws.** Nothing in this Article or Agreement as it pertains to the recruitment, employment, retention, or separation of personnel shall apply to the extent it is in conflict with any applicable personnel rules, laws, policies, procedures, and bargaining agreements or MOUs, including the MCFFA MOU.

ARTICLE VIII INDEMNIFICATION AND INSURANCE

8.1. **Mutual Indemnification.**

A. City shall indemnify, defend and hold harmless the District and Oakdale (including their elected or appointed officials, employees, agents, volunteers, and attorneys as the same may be constituted now and from time to time hereafter) to the extent allowed by law and in proportion to City's fault, against any and all third-party liability for claims, demands, costs, or judgments (direct, indirect, incidental, or consequential) involving bodily injury, personal injury, death, property damage, or other costs and expenses (including reasonable attorneys' fees, costs and expenses) arising or resulting from the negligent acts or omissions of its own elected or appointed officers, agents, employees, volunteers, or representatives carried out pursuant to the obligations of this Agreement.

B. District and/or Oakdale shall indemnify, defend and hold harmless the City (including its elected or appointed officials, employees, agents, volunteers, and attorneys as the same may be constituted now and from time to time hereafter) to the extent allowed by law and in proportion to District and/or Oakdale's fault, against any and all third-party liability for claims, demands, costs, or judgments (direct, indirect, incidental, or consequential) involving bodily injury, personal injury, death, property damage, or other costs and expenses (including reasonable attorneys' fees, costs and expenses) arising or resulting from their negligent acts or omissions of their own elected or appointed officers, agents, employees, volunteers, or representatives carried out pursuant to the obligations of this Agreement.

8.2. **Mutual Indemnification Obligations Survive Termination.** As to activities occurring or being carried out in performance of this Agreement and during the term of this Agreement, the obligations created by Agreement Section 8.1 shall survive termination of this Agreement.

8.3. **Public Liability and Property Insurance.**

A. Each Party shall maintain in effect, at its own cost and expense, the following insurance coverage provided either through a bona fide program of self-insurance, commercial insurance policies, or any combination thereof:

- (i) Commercial general liability or public liability with minimum

limits of \$2,000,000 per occurrence and \$4,000,000 in the aggregate.

(ii) City will provide auto liability insurance including owned, leased, non-owned, and hired automobiles, with a combined single limit of not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.

(iii) The City shall maintain Workers' Compensation in accordance with California Labor Code Section 3700 with a minimum of \$1,000,000 per occurrence for employer's liability, for the duration of time that such workers are employed.

(iv) All risk property insurance, excluding earthquake and flood, on all permanent property of an insurable nature in an amount sufficient to cover at least one hundred percent (100%) of the replacement costs of said property. In any event, Oakdale and District shall maintain property insurance coverage for all the real property and buildings identified in Exhibit B.

B. All insurance required by this Agreement shall:

(i) Be placed: (1) with companies admitted to transact insurance business in the State of California and with a current A.M. Best rating of no less than A:VI or with carriers with a current A.M. Best rating of no less than A:VII; or (2) disclosed self-insurance with limits acceptable to the other Party.

(ii) Provide that each Party's insurance is primary and non-contributing insurance to any insurance or self-insurance maintained by the other Party and that the insurance of the other Party shall not be called upon to contribute to a loss covered by a Party's insurance.

C. Each Party shall file certificates of insurance with the other Party evidencing that the required insurance is in effect.

8.4. **Workers' Compensation.**

A. City shall provide Oakdale and District an endorsement that its Workers' Compensation insurer waives the right of subrogation against City, its officers, officials, employees, and volunteers for all claims on or after the Effective Date of this Agreement during the tenure of said Agreement.

B. All injuries that occur prior to the execution of this Agreement and all Workers' Compensation claims that are filed prior to this Agreement shall remain the responsibility of Oakdale and District. Oakdale's third-party administrator for the Workers' Compensation shall provide the City's third-party administrator for Workers' Compensation, a list of all active claims of all City of Oakdale personnel who will become employees of the City, prior to the execution of this Agreement.

ARTICLE IX MISCELLANEOUS

9.1. **Amendments to Agreement.** No part of this Agreement shall be altered or amended without written agreement of the Parties.

9.2. **Assignment.** The rights and obligations of the Parties under this Agreement are not assignable and shall not be delegated without the prior written approval of all Parties.

9.3. **Dispute Resolution.** The Parties recognize that this Agreement cannot represent a complete expression of all issues which may arise during the performance of the Agreement. Accordingly, City, Oakdale and District agree to meet and confer in good faith over any issue not expressly described herein to the end that Oakdale and District will obtain the best Fire Services possible under the most favorable economic terms and that City will be fairly and adequately compensated for the services it provides hereunder.

It is the Parties' intention to avoid the cost of litigation and to resolve any issues that may arise amicably if possible. To that end, the Parties agree to meet within ten (10) business days of a request made by the other Party in writing to discuss the issues and attempt to resolve the dispute. If the dispute is not resolved after that meeting, the Parties agree to mediate the dispute within thirty (30) calendar days of the meeting or as soon thereafter as possible. The mediator will be chosen by mutual agreement of the Parties. The costs of mediation will be borne by the Parties equally. No Party may initiate litigation prior to the conclusion of mediation. In any action brought under this Agreement, the prevailing Party shall be entitled to recover its actual costs and attorney fees pursuant to California Civil Code Section 1717.

9.4. **No Waiver.** The waiver of any Party of any breach or violation of any provisions of this Agreement shall not be deemed to be a waiver of any breach or violation of any other provision nor of any subsequent breach or violation of the same or any other provision. The subsequent acceptance by either Party of any monies that become due hereunder shall not be deemed to be a waiver for any preexisting or concurrent breach or violation by the other Party of any provision of this Agreement.

9.5. **Parties in Interest.** Nothing in this Agreement, whether express or implied, is intended to confer any rights on any persons other than the Parties to it and their representatives, successors and permitted assignees.

9.6. **Interpretation.** This Agreement shall be interpreted and construed reasonably and neither for nor against any Party, regardless of the degree to which any Party participated in its drafting. Each of the Parties has received the advice of legal counsel prior to signing this Agreement. Each Party acknowledges no other party or agent or attorney has made a promise, representation, or warranty whatsoever, express or implied, not contained herein concerning the subject matter herein to induce another party to execute this Agreement. The Parties agree no provision or provisions may be subject to any rules of construction based upon any Party being considered the Party "drafting" this Agreement.

When the context and construction so require, all words used in the singular herein shall be deemed to have been used in the plural, and the masculine shall include the feminine and neuter and vice versa. Whenever a reference is made herein to a particular provision of this Agreement, it means and includes all paragraphs, subparagraphs and subparts thereof, and, whenever a reference is made herein to a particular paragraph or subparagraph, it shall include all subparagraphs and subparts thereof.

9.7. **Captions.** The captions in this Agreement are for convenience and reference only and are not intended to be used in the construction of this Agreement nor to alter or affect any of

its provisions.

9.8. **References to Laws.** All references in this Agreement to laws shall be understood to include such laws as they may be subsequently amended or re-codified, unless otherwise specifically provided.

9.9. **References to Days.** All references to days herein are to calendar days, including Saturdays, Sundays and holidays, except as otherwise specifically provided. Unless otherwise required by a specific provision of this Agreement, time hereunder is to be computed excluding the first day and including the last day.

9.10. **Time of Essence.** Time is of the essence of this Agreement and of every part of this Agreement. No extension or variation of this Agreement will operate as a waiver of this provision.

9.11. **Severability.** If any non-material provision of this Agreement is for any reason deemed to be invalid and unenforceable, the invalidity or unenforceability of such provision shall not affect any of the remaining provisions of this Agreement, and such remaining provision shall be enforced as if such invalid or unenforceable provision had not been contained herein.

9.12 **Choice of Law and Venue.** This Agreement shall be administered and interpreted under the laws of the State of California. Jurisdiction of litigation arising from this Agreement shall be in that state and venue shall be in Stanislaus County, California.

9.13. **Entire Agreement.** This Agreement represents the full and entire Agreement between the Parties regarding the matters covered herein.

9.14. **Counterparts.** This Agreement may be executed in counterparts each of which shall be considered an original.

9.15. **Exhibits.** The following Exhibits are attached hereto and incorporated as if fully set forth herein:

<u>Exhibit A:</u>	Oakdale and District Apparatuses, Vehicles, and Equipment
<u>Exhibit B:</u>	Oakdale and District Stations
<u>Exhibit C:</u>	Service Boundaries Map for Oakdale and District
<u>Exhibit D:</u>	Fee Payment Schedule (FY22/23 – FY26/27)

9.16. **Notices.** All notices required or permitted hereunder shall be deemed sufficiently given if delivered by hand, electronic mail, or by United States mail, postage prepaid, addressed to the Parties at the addresses set forth below or to such other address as may, from time to time, be designated in writing.

To Oakdale:

Bryan Whitemyer
Oakdale City Manager
280 N. Third Avenue
Oakdale, CA 95361

To City:

Joseph Lopez
Modesto City Manager
1010 10th Street
Modesto, CA 95354

To District:

Paul Rivera District Board President
P.O. Box 932
Oakdale, CA 95361

9.17. **Joint Defense/Common Interest.** In the event of a third-party challenge of any type to this Agreement, the Parties agree to jointly defend the validity and implementation of the Agreement.

9.18. **Further Obligations.** The Parties recognize that this Agreement cannot represent a complete expression of all issues, which may arise during the performance of this Agreement. Accordingly, the Parties agree to meet and confer in good faith over any issues, challenges, prohibitions, or obligations not expressly described herein to the end that City will be fairly compensated and Oakdale and District will obtain sufficient fire services.

IN WITNESS WHEREOF, the Parties execute this Agreement hereto on the Effective Date.

APPROVED AS TO FORM:

By: _____
Modesto City Attorney

By: _____
Christina D. Alger
Modesto Human Resources Manager (Risk)

By: _____
Tom Hallinan
Oakdale City Attorney

By: _____
William D. Ross
District Counsel

CITY OF OAKDALE,
a California Municipal Corporation

By: _____
Bryan Whitemyer
City Manager

CITY OF MODESTO,
a California Municipal Corporation

By: _____
Joseph P. Lopez
City Manager

ATTEST:

By: _____
Dana Sanchez
Interim Modesto City
Clerk

OAKDALE FIRE PROTECTION DISTRICT,
a California Special District

By: _____
Paul Rivera
District Board President

EXHIBIT A
Oakdale and District Apparatus, Vehicles, and Equipment

Oakdale

ID	NO	VIN	APPARATUS/VEHICLE
07-01	E-28	4S7AT2C967C056582	ENGINE TYPE 1
06-01	E-27	4S7AT2C987C056583	ENGINE TYPE 1
01-01	B-28	1HTAA1724CHB24573	ENGINE TYPE 3
82-01	B-227	B1HTAA1724CHB24573	ENGINE TYPE 3
02-05	U-28	1FTNW21FX3EB15019	UTILITY VEHICLE FORD EXPEDITION
02-06	U-228	1FMPU16LO2LA40263	UTILITY VEHICLE FORD F250
97-01	U-27	2FTFX28L3VCA54473	UTILITY VEHICLE FORD F250
18-02	BOAT 28	XMO74004F515/05511434	AB INFLATABLE
10-02	BOAT 228	BO25PF010	POLARIS BOAT
21-01	E-28		New Engine 28

District

ID	NO	VIN	APPARATUS/VEHICLE
05-01	E-29	4S7CT2D965CO49328	ENGINE TYPE 1
99-04	E-30	4ENRAAA88X1000380	ENGINE TYPE 1
96-01	B-227	1HTLFUGN3FHA31313	ENGINE TYPE 3
03-03	G-30	1FDAF57PX3ECO3161	ENGINE TYPE 6
02-04	G-29	1FDAF57F63EA10349	ENGINE TYPE 6
14-01	WT-27	2NKHLJ9X5EM417025	KENWORTH WATER TENDER
00-03	R-28	4S7HT8292YCO34227	HI TECH RESCUE
06-02	U-23	1GNEK13T26J119609	UTILITY CHEVY TAHOE
99-01	U-29	1B7HF13Z1XJ620684	UTILTIY DODGE P/U
09-02	BOAT 29	X22PB909/CF5143XC	POLARIS BOAT
20-01	E-29	4P1BAAFF7MB023140	New Engine 29

EXHIBIT B
Oakdale and District Stations

Oakdale:

Fire Station 27 – 450 S. Willowwood Drive, Oakdale, CA

Fire Station 28 – 325 E. G Street, Oakdale, CA

Fire Station 28 Training Annex – 325 E. G Street, Oakdale, CA

District:

Fire Station 29 – 1770 Main Street, Knights Ferry, CA

Fire Station 30 – 13200 Valley Home Road, Valley Home, CA

**EXHIBIT D
Fee Payment Schedule**

Fiscal Year 2022-2023

**Total Annual Fee
\$5,629,418.91**

	OFPD		City of Oakdale
	\$2,111,032.09		\$3,518,386.82
<u>Monthly Payments:</u>			
7/31/2022	\$175,919.34		\$293,198.90
8/31/2022	\$175,919.34		\$293,198.90
9/30/2022	\$175,919.34		\$293,198.90
10/31/2022	\$175,919.34		\$293,198.90
11/30/2022	\$175,919.34		\$293,198.90
12/31/2022	\$175,919.34		\$293,198.90
1/31/2023	\$175,919.34		\$293,198.90
2/28/2023	\$175,919.34		\$293,198.90
3/31/2023	\$175,919.34		\$293,198.90
4/30/2023	\$175,919.34		\$293,198.90
5/31/2023	\$175,919.34		\$293,198.90
6/30/2023	\$175,919.35		\$293,198.92
Total Annual Payment:	\$2,111,032.09		\$3,518,386.82

EXHIBIT D
Fee Payment Schedule

Fiscal Year 2023-2024

Total Annual Fee
\$5,688,815.30

	OFPD		City of Oakdale
	\$2,133,305.74		\$3,555,509.56
<u>Monthly Payments:</u>			
7/31/2023	\$177,775.48		\$296,292.46
8/31/2023	\$177,775.48		\$296,292.46
9/30/2023	\$177,775.48		\$296,292.46
10/31/2023	\$177,775.48		\$296,292.46
11/30/2023	\$177,775.48		\$296,292.46
12/31/2023	\$177,775.48		\$296,292.46
1/31/2024	\$177,775.48		\$296,292.46
2/28/2024	\$177,775.48		\$296,292.46
3/31/2024	\$177,775.48		\$296,292.46
4/30/2024	\$177,775.48		\$296,292.46
5/31/2024	\$177,775.48		\$296,292.46
6/30/2024	\$177,775.46		\$296,292.50
Total Annual Payment:	\$2,133,305.74		\$3,555,509.56

**EXHIBIT D
Fee Payment Schedule**

Fiscal Year 2024-2025

**Total Annual Fee
\$5,850,879.25**

	OFPD		City of Oakdale
	\$2,194,079.72		\$3,656,799.53
<u>Monthly Payments:</u>			
7/31/2024	\$182,839.98		\$304,733.29
8/31/2024	\$182,839.98		\$304,733.29
9/30/2024	\$182,839.98		\$304,733.29
10/31/2024	\$182,839.98		\$304,733.29
11/30/2024	\$182,839.98		\$304,733.29
12/31/2024	\$182,839.98		\$304,733.29
1/31/2025	\$182,839.98		\$304,733.29
2/28/2025	\$182,839.98		\$304,733.29
3/31/2025	\$182,839.98		\$304,733.29
4/30/2025	\$182,839.98		\$304,733.29
5/31/2025	\$182,839.98		\$304,733.29
6/30/2025	\$182,839.94		\$304,733.34
Total Annual Payment:	\$2,194,079.72		\$3,656,799.53

**EXHIBIT D
Fee Payment Schedule**

Fiscal Year 2025-2026

**Total Annual Fee
\$5,924,976.85**

	OFPD		City of Oakdale
	\$2,221,866.32		\$3,703,110.53
<u>Monthly Payments:</u>			
7/31/2025	\$185,155.53		\$308,592.54
8/31/2025	\$185,155.53		\$308,592.54
9/30/2025	\$185,155.53		\$308,592.54
10/31/2025	\$185,155.53		\$308,592.54
11/30/2025	\$185,155.53		\$308,592.54
12/31/2025	\$185,155.53		\$308,592.54
1/31/2026	\$185,155.53		\$308,592.54
2/28/2026	\$185,155.53		\$308,592.54
3/31/2026	\$185,155.53		\$308,592.54
4/30/2026	\$185,155.53		\$308,592.54
5/31/2026	\$185,155.53		\$308,592.54
6/30/2026	\$185,155.49		\$308,592.59
Total Annual Payment:	\$2,221,866.32		\$3,703,110.53

EXHIBIT D
Fee Payment Schedule

Fiscal Year 2026-2027

Total Annual Fee
\$6,000,658.72

	OFPD		City of Oakdale
	\$2,250,247.02		\$3,750,411.70
<u>Monthly Payments:</u>			
7/31/2026	\$187,520.58		\$312,534.31
8/31/2026	\$187,520.58		\$312,534.31
9/30/2026	\$187,520.58		\$312,534.31
10/31/2026	\$187,520.58		\$312,534.31
11/30/2026	\$187,520.58		\$312,534.31
12/31/2026	\$187,520.58		\$312,534.31
1/31/2027	\$187,520.58		\$312,534.31
2/28/2027	\$187,520.58		\$312,534.31
3/31/2027	\$187,520.58		\$312,534.31
4/30/2027	\$187,520.58		\$312,534.31
5/31/2027	\$187,520.58		\$312,534.31
6/30/2027	\$187,520.64		\$312,534.29
Total Annual Payment:	\$2,250,247.02		\$3,750,411.70



City of Oakdale
City Council Staff Report

Meeting Date: December 20, 2021

To: Mayor Bairos and Members of the City Council

From: Bryan Whitemyer, City Manager

Subject: Consider a Resolution Approving the Layout of the Third Avenue Rehabilitation Project between E Street and F Street

I. BACKGROUND

The roadway segment along North Third Avenue between E street and F Street is heavily utilized location due to the variety of restaurants, shops, and community functions like the summer farmer's market and Downtown Christmas events. The pavement and sidewalks along this segment of roadway are in very poor condition. Additionally, the sewer line is very old and needs to be replaced.

Due to the obvious repair needs of this roadway segment City staff in 2019 began discussing the concept of reconstructing the roadway segment along Third Avenue between E Street and F Street with downtown businesses. The City Manager visited businesses to inform them of the future construction project and information was also shared at several downtown Merchant's meetings held at the House of Beef restaurant.

Over the last four months the City has held community meetings to discuss the project and to receive feedback from businesses, property owners, and members of the community.

Dates of Meetings that were held:

- September 22, 2021 – Downtown Street and Lighting Community Meeting
- October 12, 2021 – Third Avenue Rehab Community Meeting
- November 17, 2021 – Third Avenue Rehab Community Meeting
- December 15, 2021 – Third Avenue Rehab Community Meeting

II. DISCUSSION

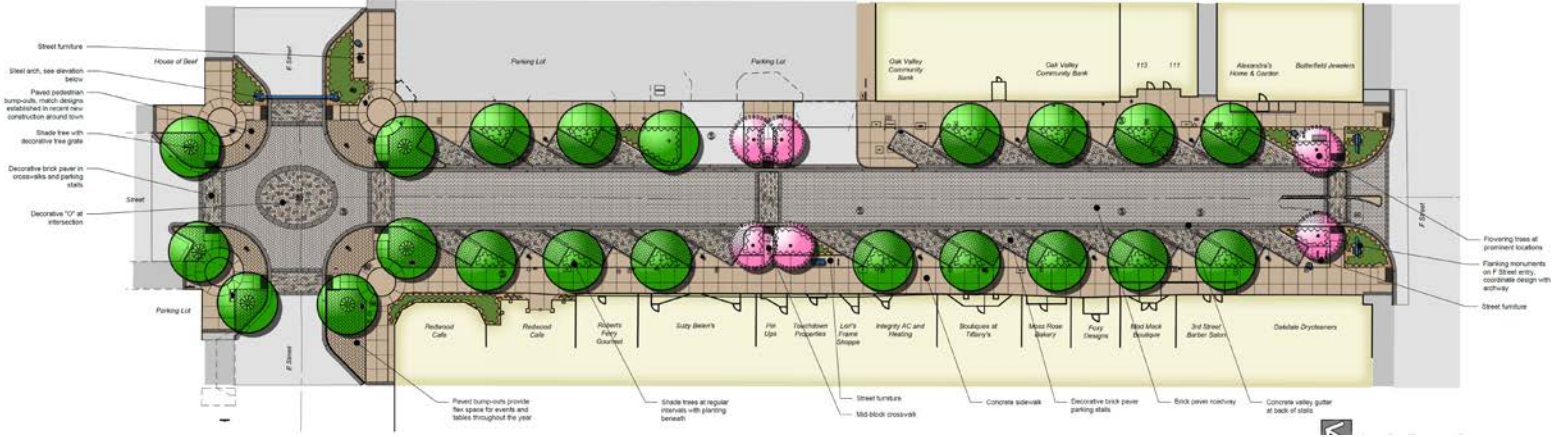
The City hired Sam Harned with Sam Harned Landscape Architecture to develop the conceptual designs of the intersection of Third Avenue and E Street as well as the segment of Third Avenue between E Street and F Street. The initial concept was shared at the public meetings. Based on feedback from those meetings and other contacts an alternative design was presented at the December 15, 2021 meeting. This design showed smaller curb extensions to ensure that large delivery trucks and vehicles could pass through the intersection more easily.



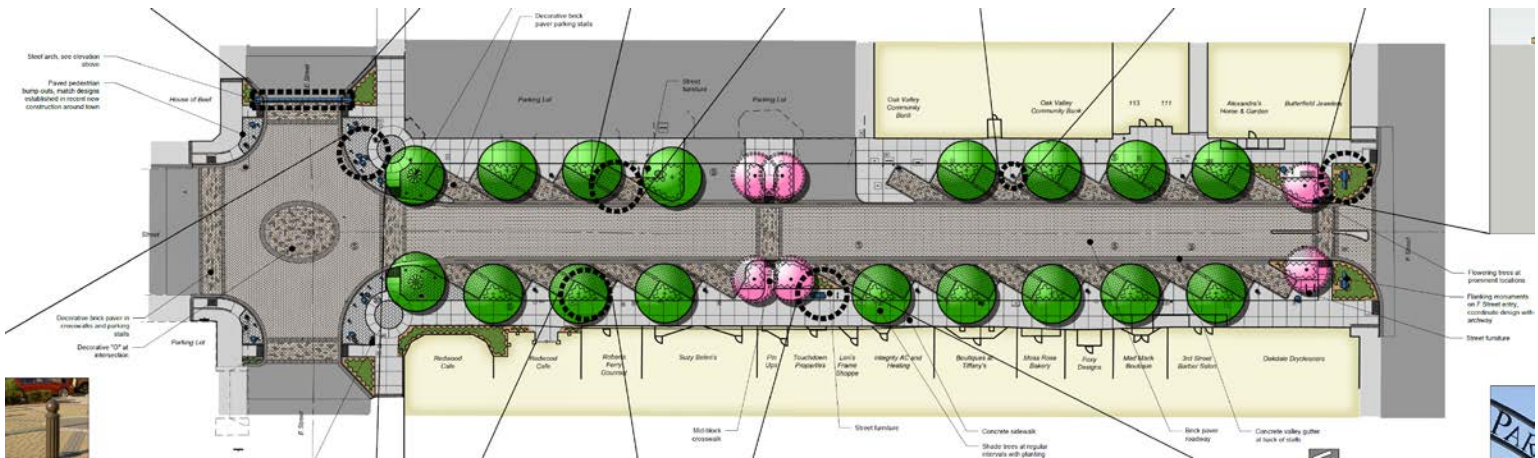
CITY OF OAKDALE
City Council Resolution (Continued)

SUBJECT: Third Avenue Rehabilitation Project
MEETING DATE: December 20, 2021

Original Layout:



Modified Layout

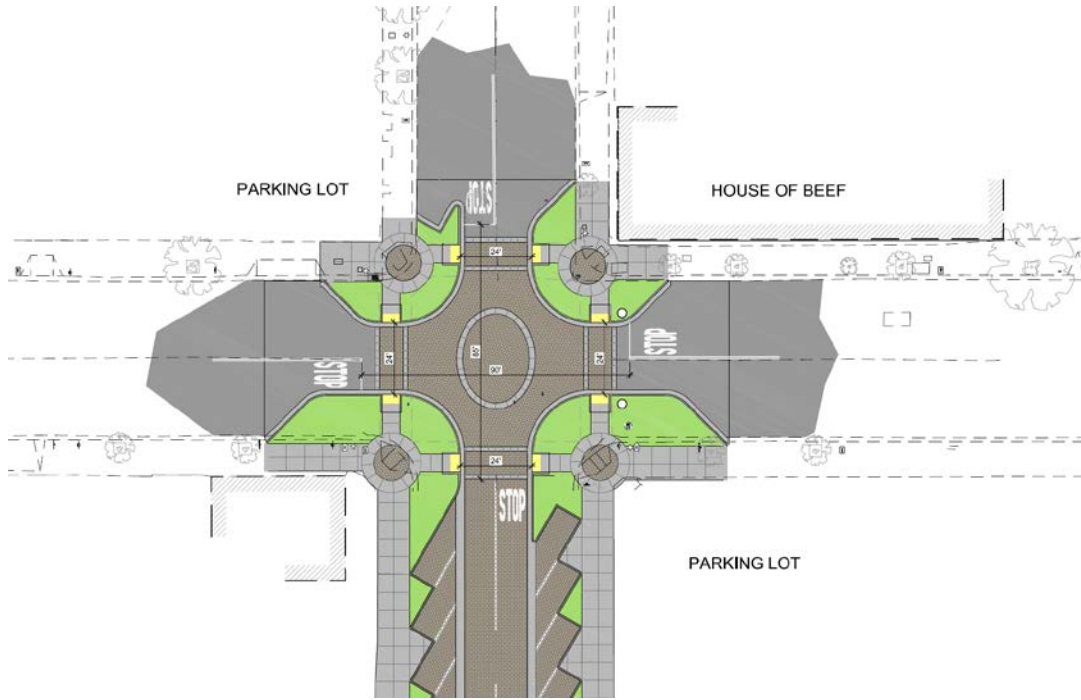




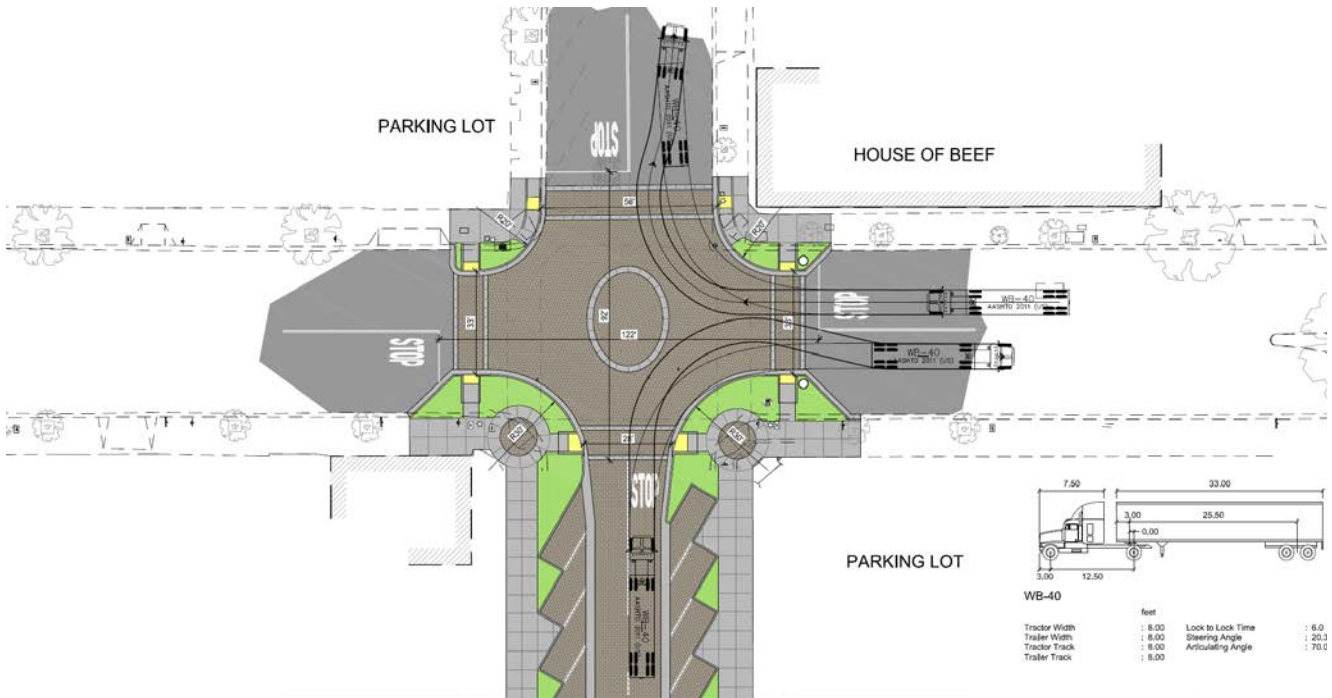
CITY OF OAKDALE
City Council Resolution (Continued)

SUBJECT: Third Avenue Rehabilitation Project
MEETING DATE: December 20, 2021

Original Intersection Layout:



Modified Intersection Layout:





CITY OF OAKDALE
City Council Resolution (Continued)

SUBJECT: Third Avenue Rehabilitation Project
MEETING DATE: December 20, 2021

III. FISCAL IMPACT

When the Third Avenue Reconstruction Project is built in the spring of 2022 a variety of funding sources will be utilized to cover the cost of the project. The sewer line replacement and storm drainage improvements will be covered by the Sewer Fund and the roadway, sidewalk and other improvements will come from \$1,000,000 in American Rescue Plan Act funds and funds accumulated from savings related to redevelopment bond refinancing. The general fund will not be impacted by this project. Once the project design documents are completed the City will place the project out to bid. The bids will then be presented to the City Council to formally award the project to the lowest responsive bidder.

IV. RECOMMENDATION

Staff recommends that the City Council adopt the resolution:

- A. Approving the modified layout of the Third Avenue Rehabilitation Project
- B. Direct staff to draw the construction plans for the project so that it can go out to bid in February 2022 and that construction can begin after Easter in April 2022.

V. ATTACHMENT

Attachment A: Resolution 2021__

Attachment B: Article Regarding Downtown Turlock

Attachment C: Exhibits comparing parking in downtown Oakdale in 2016 vs. 2022



IN THE CITY COUNCIL
OF THE CITY OF OAKDALE
STATE OF CALIFORNIA
CITY COUNCIL RESOLUTION 2021-___

**A RESOLUTION OF THE CITY OF OAKDALE CITY COUNCIL APPROVING THE
LAYOUT OF THE THIRD AVENUE REHABILITATION PROJECT BETWEEN E
STREET AND F STREET**

WHEREAS, the roadway segment along North Third Avenue between E street and F Street is heavily utilized location due to the variety of restaurants, shops, and community functions like the summer farmer’s markets and Downtown Christmas events; and

WHEREAS, the pavement and sidewalks along this segment of roadway are in very poor condition and the sewer line is very old and needs to be replaced; and

WHEREAS, over the last four months the City has held community meetings to discuss the project and to receive feedback from businesses, property owners, and members of the community; and

WHEREAS, the City has modified the layout design of the intersection based on feedback from businesses and other meeting participant comments.

NOW, THEREFORE, BE IT RESOLVED that the City Council hereby approves the modified layout of the Third Avenue Rehabilitation Project (Exhibit 1) and directs staff to draw up the construction plans for the project so that the project can go out to bid in February 2022 and construction can begin after easter in April 2022.

**THE FOREGOING RESOLUTION IS HEREBY PASSED AND ADOPTED THIS 20TH
DAY OF DECEMBER, 2021, by the following vote:**

AYES:	COUNCIL MEMBERS:	(0)
NOES:	COUNCIL MEMBERS: None	(0)
ABSENT:	COUNCIL MEMBERS: None	(0)
ABSTAINED:	COUNCIL MEMBERS: None	(0)

Cherilyn Bairos, Mayor

ATTEST:

Rouze Roberts
City Clerk

ANGELINA MARTIN

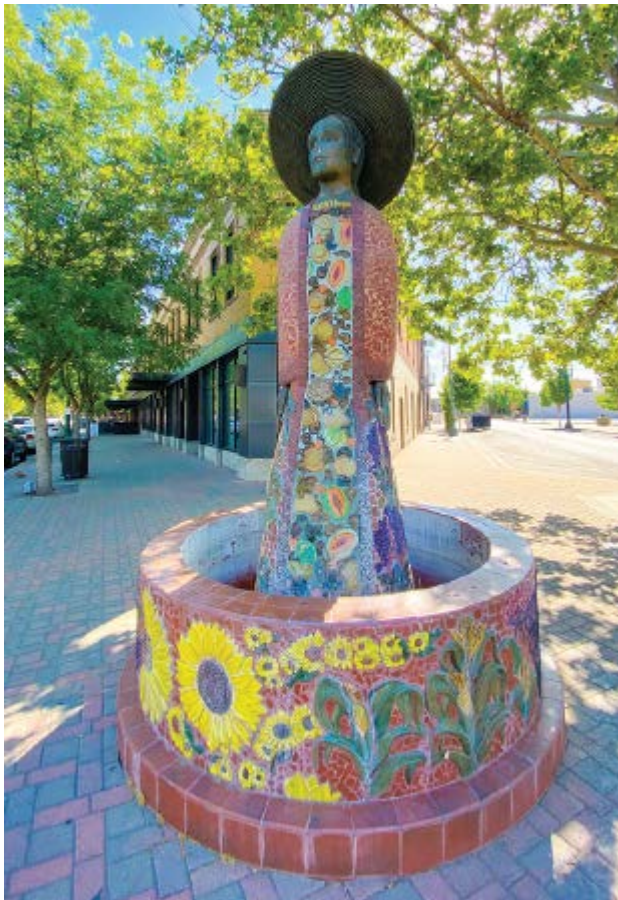
Publication for 209 Magazine

Updated: Jun 10, 2021, 2:13 PM

Published: Jun 10, 2021, 2:14 PM

Known for its shopping, restaurants and parades, Turlock's downtown has become a destination for many in the 209 area code and beyond. After some polishing throughout the decades, the city's Main Street has truly become the gem of the Valley.

Once a quiet area of town that was home to mostly professional services, downtown Turlock has experienced plenty of change this millennium. Today, the downtown core houses some of the city's hottest night spots in the area and visitors flock to its wide array of retail boutiques and restaurants during the day, whether its cuisine with an Asian flare at First & Main or a burger and brew at 10 East Kitchen & Tap House.



The transformation from quiet and serious to the hustle and bustle of downtown Turlock that residents know and love today was thanks to the Downtown Revitalization Plan of the early 2000s —a \$7.5 million investment into Main Street by the City of Turlock into which turned the rundown business district into the picturesque downtown area it is today, complete with old-fashioned lamp posts, park benches and planter boxes brimming with flowers.

Turlock resident Jeani Ferrari served on the revitalization committee and made decisions on details like artwork, landscaping and even the layout of the street. A revitalization for Main Street was needed, she said, as strip malls like Monte Vista Crossings began to dominate Turlock retail, leaving little room for small, locally-owned businesses like those that make up the downtown core today.

“The word on the street was that after a major shopping center is built, it takes about 10 years for downtowns to come back—if they do. We knew we were in for a lot of work, but Turlock’s downtown had a lot of things others didn’t have,” Ferrari said. “We had a Main Street and then the maze of what you call the rest of downtown and it was all very centralized. As far as buildings go, we had really good architecture and handsome structures that had been there for years.”

With good bones to work with, the committee made decisions which would eventually make downtown Turlock extremely pedestrian-friendly (right down to the type of brick used for the sidewalk). Frequent stop signs and crosswalks coupled with trees which now provide plenty of shade make Main Street the perfect place for a stroll, all while inviting visitors to stop into shops as they walk.

At the west end of Main Street is Calafia, the 14-foot fountain statue which welcomes the community into the historic area, all while celebrating the area’s connection to the soil and its agricultural vitality.

“The community wanted something that expressed the ethnic, cultural and agricultural character of the town. I think people thought that Calafia captured the agriculture and the weather, and it expressed the commodities we have here,” Ferrari said. “We had five intersections downtown to choose from, but we decided a gateway piece would be perfect.”



The revitalization saw the entire downtown street torn apart, along with sidewalks. Main Street Antiques co-owner Lori Smith, who has been with the shop over 25 years, said it was a tough time to be a business owner during construction, but well worth it in the end.

“At that time, strip malls were the place to be and downtowns were just kind of forgotten,” Smith said. “The fact that they had the foresight to invest in downtown and do all that made it what it is now. We have a walkable downtown and I think that’s part of its charm...We get so many people coming from quite a ways away who tell us how cute our downtown is.”

After the revitalization was complete, the City shifted its focus to what the central area of Turlock would become known for. Some developers suggested marketing the downtown core as a bridal district, while its plethora of antiquing options had others set on a treasure hunting capitol. In just a few short years, however, ideas for a bridal destination faded and the reality of an adult playground settled in as bars, restaurants and even hookah made their way onto Main Street.

But downtown Turlock isn’t a one-trick pony by any means. There are places to have fun, like the well-known country bar The Udder Place, but there are also spots to have a calming cup of coffee, such as La Mo Cafe. It turns out you can’t put downtown Turlock into a box—it has a little bit of everything.

While some of Main Street’s businesses didn’t survive the pandemic, even more shops and eateries are on the way as others step up eager to fill in the gaps. The vacancy rate is close to zero as restaurants like Commonwealth and Rancho Fresco Mexican Grill prepare to move in. The historic Enterprise Building has undergone a makeover in recent years as well, and more change is surely on the way.



It's the camaraderie between downtown business owners —and support from the community—that has helped Main Street continue to flourish in recent years, Smith said.

“I remember when I officially became an owner of the shop, I was parked at the stoplight looking downtown and thought, ‘Hey, I get to be a part of this,’” she said. “We’ve got a good group. We all work together and have the same goals in mind to make downtown a success.”

It's rare that an area of town serves as both a retail destination and community “watering hole,” but downtown Turlock has done just that. While visitors and residents frequent Main Street's stores, it's also home to the annual Turlock Certified Farmers Market and holiday parades on Christmas and the Fourth of July.

For Ferrari, seeing what downtown Turlock has come to mean to the community gives her chills. She's routinely reminded of the power one investment can have for art, business and a hometown as a whole.

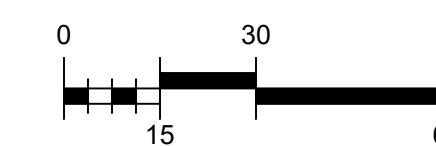
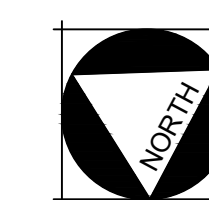
“It's now established itself as something that other cities are very envious of, and it's stood the test of time,” Ferrari said. “I think Turlock has been an example for a lot of communities because we did it right.”



DOWNTOWN PARKING (2016)

OAKDALE, CA

DATE: NOVEMBER, 2021



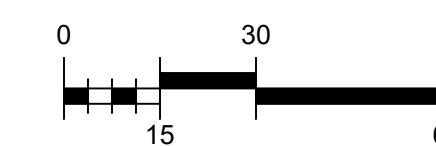
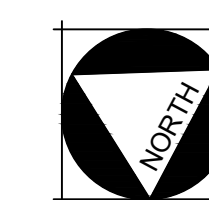
MCR ENGINEERING
 MCR ENGINEERING, INC.
 1242 DUPONT COURT
 MANTECA, CA 95336
 TEL: (209) 239-6229
 FAX: (209) 239-8839
 www.mcreng.com



DOWNTOWN PARKING (2022)

OAKDALE, CA

DATE: NOVEMBER, 2021



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CITY OF OAKDALE
CITY COUNCIL STAFF REPORT

Date: December 20, 2021
To: Mayor Bairos and Members of the City Council
From: Albert Avila, Finance Director
Subject: Recognized Obligations Payment Schedule (ROPS) for July 1, 2022 – June 30, 2023

I. Background:

ABx1 15 (the Dissolution Act) was enacted in late June 2011 as part of the FY 2011-12 State budget package and was held by the California Supreme Court to be largely constitutional on December 29, 2012. Under the Dissolution Act, each of California's redevelopment agencies (Each a "Dissolved RDA") was dissolved as of February 1, 2012, and cities and counties that formed the Dissolved RDA's, together with other designated entities, have initiated the process under the Dissolution Act to unwind the affairs of the Dissolved RDA's.

II. Discussion:

The Recognized Obligation Payment Schedule (ROPS) includes the bonded indebtedness of the former Redevelopment Agency and the reimbursement of City Staff time to administer the Dissolution of the Successor Agency. The funding is provided by the Tax Increments from within the Former Redevelopment Agency boundaries. The ROPS will be forwarded to the Countywide Oversight Board and the State Department of Finance by the February 1, 2022.

III. Fiscal Impact:

There is no fiscal impact to the general fund.

IV. Recommendation:

Staff recommends that the City Council as Successor Agency adopt the resolution to approve the ROPS for submission to the Successor Agency Oversight Board and the State Department of Finance.

V. Attachments

- A. ROPS
- B. Draft City Council Resolution 2021-XX

Recognized Obligation Payment Schedule (ROPS 22-23) - Summary
Filed for the July 1, 2022 through June 30, 2023 Period

Successor Agency: Oakdale
County: Stanislaus

Current Period Requested Funding for Enforceable Obligations (ROPS Detail)	22-23A Total (July - December)	22-23B Total (January - June)	ROPS 22-23 Total
A Enforceable Obligations Funded as Follows (B+C+D)	\$ -	\$ -	\$ -
B Bond Proceeds	-	-	-
C Reserve Balance	-	-	-
D Other Funds	-	-	-
E Redevelopment Property Tax Trust Fund (RPTTF) (F+G)	\$ 402,256	\$ 402,256	\$ 804,512
F RPTTF	277,256	277,256	554,512
G Administrative RPTTF	125,000	125,000	250,000
H Current Period Enforceable Obligations (A+E)	\$ 402,256	\$ 402,256	\$ 804,512

Certification of Oversight Board Chairman:

Pursuant to Section 34177 (o) of the Health and Safety code, I hereby certify that the above is a true and accurate Recognized Obligation Payment Schedule for the above named successor agency.

Name Title

/s/ _____
Signature Date

Oakdale
Recognized Obligation Payment Schedule (ROPS 22-23) - ROPS Detail
July 1, 2022 through June 30, 2023

A	B	C	D	E	F	G	H	I	J	K	ROPS 22-23A (Jul - Dec)					Q	ROPS 22-23B (Jan - Jun)					W		
											Fund Sources						22-23A Total	Fund Sources					22-23B Total	
											L	M	N	O	P			R	S	T	U			V
Item #	Project Name	Obligation Type	Agreement Execution Date	Agreement Termination Date	Payee	Description	Project Area	Total Outstanding Obligation	Retired	ROPS 22-23 Total	Bond Proceeds	Reserve Balance	Other Funds	RPTTF	Admin RPTTF	Bond Proceeds	Reserve Balance	Other Funds	RPTTF	Admin RPTTF				
								\$804,512		\$804,512	\$-	\$-	\$-	\$277,256	\$125,000	\$402,256	\$-	\$-	\$-	\$277,256	\$125,000	\$402,256		
5	Employee Costs	Admin Costs	07/01/2019	06/30/2020	Various	Salaries & Benefits	All	24,000	N	\$24,000	-	-	-	-	12,000	\$12,000	-	-	-	-	-	12,000	\$12,000	
8	Legal/ Professional Services	Admin Costs	07/01/2019	06/30/2020	Various	Professional Assistance	All	213,400	N	\$213,400	-	-	-	-	106,700	\$106,700	-	-	-	-	-	106,700	\$106,700	
10	Liability Insurance	Admin Costs	07/01/2019	06/30/2020	City of Oakdale	Allocated Liability Insurance	All	6,600	N	\$6,600	-	-	-	-	3,300	\$3,300	-	-	-	-	-	3,300	\$3,300	
11	Rental/ Utilities	Admin Costs	07/01/2019	06/30/2020	City of Oakdale	Staff space/ utilities	All	6,000	N	\$6,000	-	-	-	-	3,000	\$3,000	-	-	-	-	-	3,000	\$3,000	
23	2018 Tax Allocation Revenue Bonds - Series A	Refunding Bonds Issued After 6/27/12	04/04/2018	06/01/2036	U.S. Bank	Refinancing Bond Issue		496,538	N	\$496,538	-	-	-	248,269	-	\$248,269	-	-	-	248,269	-	-	\$248,269	
24	2018 Tax Allocation Revenue Bonds - Series B	Refunding Bonds Issued After 6/27/12	04/04/2018	06/01/2025	U.S. Bank	Refinancing Bond Issue		57,974	N	\$57,974	-	-	-	28,987	-	\$28,987	-	-	-	28,987	-	-	\$28,987	

Oakdale
Recognized Obligation Payment Schedule (ROPS 22-23) - Report of Cash Balances
July 1, 2019 through June 30, 2020
(Report Amounts in Whole Dollars)

Pursuant to Health and Safety Code section 34177 (l), Redevelopment Property Tax Trust Fund (RPTTF) may be listed as a source of payment on the ROPS, but only to the extent no other funding source is available or when payment from property tax revenues is required by an enforceable obligation.							
A	B	C	D	E	F	G	H
	ROPS 19-20 Cash Balances (07/01/19 - 06/30/20)	Fund Sources				Comments	
		Bond Proceeds		Reserve Balance	Other Funds		RPTTF
		Bonds issued on or before 12/31/10	Bonds issued on or after 01/01/11	Prior ROPS RPTTF and Reserve Balances retained for future period(s)	Rent, grants, interest, etc.		Non-Admin and Admin
1	Beginning Available Cash Balance (Actual 07/01/19) RPTTF amount should exclude "A" period distribution amount.					2,193,231	
2	Revenue/Income (Actual 06/30/20) RPTTF amount should tie to the ROPS 19-20 total distribution from the County Auditor-Controller					325,216	
3	Expenditures for ROPS 19-20 Enforceable Obligations (Actual 06/30/20)					804,490	
4	Retention of Available Cash Balance (Actual 06/30/20) RPTTF amount retained should only include the amounts distributed as reserve for future period(s)					1,434,878	6/30/2020 Accounts Payable & 2020/21 ROPS & 2021/2022 ROPS
5	ROPS 19-20 RPTTF Prior Period Adjustment RPTTF amount should tie to the Agency's ROPS 19-20 PPA form submitted to the CAC			No entry required			
6	Ending Actual Available Cash Balance (06/30/20) C to F = (1 + 2 - 3 - 4), G = (1 + 2 - 3 - 4 - 5)	\$-	\$-	\$-	\$-	\$279,079	



IN THE CITY COUNCIL OF THE CITY OF OAKDALE
 STATE OF CALIFORNIA
 CITY COUNCIL AS THE SUCCESSOR AGENCY FOR THE
 OAKDALE COMMUNITY REDEVELOPMENT AGENCY
 RESOLUTION 2021-__

**A RESOLUTION OF THE CITY COUNCIL AS SUCCESSOR AGENCY FOR THE
 OAKDALE COMMUNITY REDEVELOPMENT AGENCY APPROVING THE
 July 1, 2022 TO JUNE 30, 2023
 RECOGNIZED OBLIGATION PAYMENT SCHEDULE (ROPS)**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF OAKDALE AS SUCCESSOR AGENCY
 FOR THE OAKDALE COMMUNITY REDEVELOPMENT AGENCY:**

WHEREAS, ABx1 15 (the Dissolution Act) was enacted in late June 2011 was held by the California Supreme Court to be largely constitutional on December 29, 2012;

WHEREAS, under the Dissolution act, the City of Oakdale Central City Redevelopment Agency (“Dissolved RDA”) was dissolved as of February 1, 2012.

WHEREAS, the City together with other designated entities, have initiated the process under the Dissolution Act to unwind the affairs of the Dissolved RDA’s.

WHEREAS, the ROPS must be submitted to DOF by February 1, 2022, prior to submittal the ROPS must be approved by the Successor Agency and the Oversight Board.

NOW, THEREFORE BE IT RESOLVED that the CITY COUNCIL AS SUCCESSOR AGENCY, hereby accepts and approves the July 1, 2022 to June 30, 2023 ROPS.

PASSED AND ADOPTED this 20th day of December, 2021 by the following vote:

AYES: CITY COUNCIL MEMBERS:
 NOES: CITY COUNCIL MEMBERS:
 ABSENT: CITY COUNCIL MEMBERS:
 ABSTAINED: CITY COUNCIL MEMBERS:

SIGNED:

 Cherilyn Bairos, Mayor

ATTEST:

 Rouze Roberts, City Clerk



To: Oakdale City Council

From: Bryan Whitemyer, City Manager

Re: **December 2021 Administration Department Report**

In an effort to highlight the work being done by all City Departments, City staff provides monthly activity reports to the City Council at the 2nd City Council meeting of each month. These reports are included in the agenda packet as an informational item but council members are encouraged to ask questions about any of the items listed in the report. The purpose of these reports is to help keep the City Council and the public apprised of the work being done in all areas of city operations.

Administration Department Activities

- Attended Senior Citizens Advisory Commission Meeting on December 16, 2021.
- Attended the OJUSD School Facilities Committee meeting that was held on December 16, 2021. I was appointed to serve on that committee a couple months ago and will be attending these monthly.
- Prepared for and presented information at the November 17, 2021 Third Avenue Rehabilitation Community Meeting that was held at the Gene Bianchi Community Center.
- Property Tax Cost Sharing Agreement Update: Attended meetings on November 18, 2021, December 2, 2021 and December 15, 2021. Working with the city managers of Riverbank, Newman, Modesto and the Stanislaus County CEO we are developing a framework for a new property tax cost sharing agreement. We hope to have the agreement finalized in January 2022.
- Prepared for and attended the November 15, 2021 and December 6, 2021 City Council meetings.
- Held weekly Executive Team meetings to plan and prepare for upcoming City Council meetings. These meetings are also used to discuss and find solutions to hot button items that the community is dealing with.
- Prepared and reviewed staff reports for November 1, 2021 City Council meeting.
- Attended the Stanislaus City Manager's meeting on December 1, 2021.

- Attended with Chief Ramar the graduation ceremony of Sergeant Gary Vanderheiden from the Sherman Block Leadership Institute. This is a vigorous leadership training course that takes place over 8 months. We are extremely proud of Sergeant Vanderheiden.
- Attended the second meeting of the Stanislaus 2030 Executive Committee in Modesto.
- On Monday, December 13, 2021 I assisted the City of Ceres in interviewing City Manager candidates.
- Met with Scott Abell to discuss the transition of Oakdale Youth Sports Association responsibilities at T.L. Davis to the City of Oakdale. Mr. Abell and Steve Wikoff have assisted the youth sports community of Oakdale for many years and we are extremely grateful for their service.

To: Bryan Whitemyer, City Manager
From: Albert Avila, Director of Finance



Re: November 2021 Finance Department Report for December 2021

Departmental Actions of Note:

- Processed and 7,692 monthly utility bills
- Processed and mailed 1,053 late utility notices
- 1,313 customers assisted at the front counter
- Processed 5,602 payments received through the USPS, online, or City drop box
- 6 customers received the recycling bags
- Continued online training of new financial software system
- 52 Customers registered on the online bill payment site.

Facility

Facility Rentals November 2021

Facility	City Meetings	Weekday Rentals	Weekend Rental
Gene Bianchi Community Center	1	5	2
Gene Bianchi Conference Rooms	2	4	0
Gene Bianchi Kitchen Rental	0	1	0
Oakdale Senior Community Center	0	0	2

Paul Royse Memorial Pool

- The pool closed for the season on September 5th

Senior Center

- Open daily from 8 am – 4 pm
- Hot lunch is served 5 days a week, \$3.00 for seniors 60+
- Senior Center averages 65 participants, per day, and offers over 40 different activities

Recreation

- Tennis lessons have ended for the year; will start again in Spring
- Evening classes at the Senior Center include quilting and a widowers support group

Pending Items:

Finance

Audit for 2020-2021 has started preliminary review

To: Bryan Whitemyer, City Manager

From: Julie Christel, Council Services and Legislative Records Manager



Re: December 2021 Department Report

Legislative

- Prepared, distributed and posted the City Council agenda packet and attended and prepared the minutes for the Regular City Council meeting of November 1, 2021 and the Special and Regular meeting of November 15, 2021.
- Prepared and finalized City Council Resolutions for the Mayor's and City Clerk's signatures which were then scanned, filed in the City's Records Retention System and copies distributed to departments and vendors.
- Processed and transmitted contracts/agreements/resolutions approved at the November 2021 City Council meetings:
 - Chief of Police Employment Agreement
 - Real Time Crime Center Video Wall for Police Dispatch Center
 - Memorandum of Understanding with Opportunity Stanislaus
 - Approval of the FY 2021-2022 Final Budget
 - Cancellation of the January 3, 2022 City Council Meeting
 - 150 S. Wood Avenue Tree Removal
 - 1398 E. F Street Tree Removal
 - Land Lease Agreement with River Oak Grace Church
 - Approval of the Building and Fire Code Official Job Description and amendment of the City's Personnel Classification System
 - Agreement with Modesto Improvement Partnership, Inc. for the implementation of a citywide RAD Card Program
 - Award of contract to Thompson Woolley Builders, Inc. for the Oakdale Police Department Range Improvements Project
- Collected ballots, provided assistance to the public who had questions regarding the written protest process, and assisted with the preparation of the December 6, 2021 Public Hearing regarding Prop 218.
- Working with the Stanislaus County Board of Supervisors and Registrar of Voters Office on the City's request to consolidate our Special Municipal Election with the California Statewide Primary Election on June 7, 2022. Beginning preparations for the Special Election process.
- Assisted Planning Commissioner with FPPC Statement of Economic Development Form 700 Filing.

General Administration

- Provided assistance in scheduling various meetings for elected officials and citizens.

- Four Public Records Act (PRA) requests were received during the month of November and four Notices of Determination were provided.
- Prepared four certificates of recognition.
- Three amended claims against the City and one new claim against the City was received during the month of November. Four claims were rejected with notices sent to the claimants.
- Researched City records and provided documentation for various City departments.
- Continue to work on updating files to Laserfiche.
- Manage the City's "Information" email account and respond to inquiries regarding City departments or services.
- Continue to work on reviewing and updating information on the City website.
- Provided three notary services to city staff.
- Records Management – Ongoing.

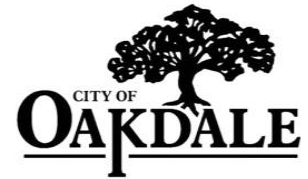
Special Events Applications

Event	2021 & 2022 Event Dates
Finalized special event process and issued permit for the Festival of Trees event at Wood Park	11/30/2021
Finalized special event process and issued permit for the Christmas on First Street	12/4/2021
Finalized special event process and issued permit for the Downtown Old-Fashion Christmas (3 rd Street)	12/4/2021
Finalized special event review process for the Oakdale Christmas Parade	12/4/2021
Finalized special event process and issued permit for the Punk in the Park Concert – Canned Food Drive at the Oakdale Community Park	12/11/2021
Finalized special event process and issued permit for the Don Osborne Memorial Run	2/5/2022

To: Bryan Whitemyer, City Manager

From: Patrick Mondragon, Assistant to the City Manager

Re: **December 2021 Human Resources Department Report**



Recruitments & Terminations:

- Conducted New Part-Time Orientation for City of Oakdale Public Safety Dispatcher on 11/1/2021.
- Facilitated Part-Time Site Monitor Oral Interviews at the Gene Bianchi Community Center on 11/10/21.

Strategic Communication:

- Met with OMEBU, OPOA, and Management Confidential Bargaining Group leadership to brief them on the new health insurance rates for 2022, prior to Open Enrollment for all City employees.
- Had a CIVICS team lunch on 11/4/2021 to show our appreciation for all they do, and to update them on new processes/procedures.
- Met with River Watch Clean-up leads to discuss ongoing City efforts to maintain cleanliness near river.

Training:

- Participated in Virtual Senior Leadership Series (VOLT) Session 7 (Organizational Design) on 11/11/21 at Opportunity Stanislaus in Modesto.
- Graduated from Virtual Senior Leadership Series (VOLT) on 11/18/21.

Special Projects:

- Continue coordination of City of Oakdale Police Department/City Hall Facility Improvement Project, slated to be completed by January 2022.

Employee Anniversaries:

The following City of Oakdale employees celebrated work anniversaries for the month of November 2021:

NAME	POSITION	# OF YEARS
Jeff Gravel	Public Services Director	7 years
Jordan Tapia	Police Officer I	3 years
Harold Rodgers	School Crossing Guard	4 years

MONTHLY SNAPSHOT

New Recruitments	1
Applications Received	13
New Hires	1
Evaluations Processed	5
Employee Turnover	1
Workers Compensation Reports	1
Interactive Process Meetings	0



To: Bryan Whitemyer, City Manager

From: Jeff Gravel, Public Services Director

Re: **December 2021 Public Services Department Report for November**

AIRPORT DIVISION

- **2020 AIRPORT LAYOUT PLAN AND NARRATIVE:** This Projects scope of work includes Runway Safety Area mitigation, a Drainage Study, a Pavement Condition Study and Operation Counting Report.
- **2021 AIRPORT PAVEMENT MAINTENANCE AND MANAGEMENT PLAN:** This Projects scope of work includes study and report for the current condition of the Airport pavement. This study is required by the FAA to obtain pavement construct funds. The City received a grant in the amount of 102,089 in May and the project is collecting the last of its preliminary planning documents so that it can proceed.
- **AIRPORT FUEL SALES (GALLONS):**

YEAR OVER YEAR TOTALS		
Month	2020	2021
January	3,637	7,298
February	8,083	6,933
March	6,012	6,871
April	11,047	6,126
May	15,853	7,821
June	10,464	6,969
July	10,126	8,765
August	7,626	6,062
September	7,582	5,418
October	9,328	6,509
November	8,672	4,700
December	5,955	
Grand Total YTD	98,430	73,472

BUILDING & FIRE LIFE SAFETY DIVISION

BUILDING PERMIT ACTIVITY	ISSUED
RESIDENTIAL-SINGLE FAMILY DWELLINGS	0
RESIDENTIAL REMODELS/ALTERATIONS	17
RESIDENTIAL-SOLAR	21
COMMERCIAL REMODELS	1
TOTAL INSPECTIONS PERFORMED	54
TOTAL PERMITS ISSUED	59

FIRE INSPECTION ACTIVITY	
RESIDENTIAL FIRE SPRINKLER SYSTEM ROUGH IN	0
RESIDENTIAL FIRE SPRINKLER SYSTEM FINAL	8
COMMERCIAL FIRE ALARM	0
COMMERCIAL FIRE SPRINKLER SYSTEM	0
STATE MANDATE – STD 850 FIRE CLEARANCE	0
EVENT INSPECTION – DOWNTOWN CHRISTMAS	1

- **ICON at BRIDLE RIDGE:** Florsheim Homes – 48 lot subdivision including 10 infill lots in upper Bridle Ridge. All currently under construction nearing completion.

CODE ENFORCEMENT DIVISION

CODE ENFORCEMENT ACTIVITY	NUMBER
NEW CASES	22
CASES RESPONDED	20
CASES CLOSED	15
NEW CASES YEAR TO DATE	270
CLOSED CASES YEAR TO DATE	175
OPEN CASES	16
GILTON BULKY-ITEM PICK UPS SCHEDULED	31
WATER CONSERVATION ACTIVITY	ISSUED
WATER CONSERVATION CASES ADDRESSED	7

- Working on open cases and new service requests.

ENGINEERING DIVISION

ENGINEERING PERMIT ACTIVITY	ISSUED
ENCROACHMENT	6
TRANSPORTATION	0
GRADING	0

MONTHLY CAPITAL IMPROVEMENT PROJECT UPDATES

- **SEWER CROSSING:** 100% Improvement plans are complete. NEPA environmental review process is complete. Army Corps of Engineers extended approval of the project in late November. Bidding will be in January/February 2022. We will return to Council in March for consideration. Anticipating construction spring 2022.
- **WOOD BASIN/RANDY PLAZA:** storm drainage project complete and operating. Project are complete submit to a few punch list items.
- **“G” STREET BIKE AND PEDESTRIAN COORIDOR IMPROVEMENTS:** The Project was approved by City Council on June 7, 2021. The contractor started work on June 8 and is progressing swiftly. The project includes safe routes to schools, ADA improvements and striping as well as pavement maintenance. The Project is completed, working with Contractor on punch list items. Expect to bring to Council for acceptance in Jan.
- **J STREET REHAB PROJECT:** This Project will install new pavement on J Street from Davitt to First Avenue and new ADA ramps. Also, new water lines and service laterals will be installed. The contractor is awaiting notification that they can receive the materials needed to start as supply chain problems have been experienced. Anticipating 1/2022 start date.
- **3RD AVENUE STREET REHAB PROJECT:** Completed a forth community work shop for the project on December 15th. Staff is looking to finalize details of design and specifications for bidding commencement. Anticipating a construction start date in April 2022. Staff will return to Council following bid results.

PARKS DIVISION

WORK COMPLETED	NUMBER
PARK INSPECTIONS PERFORMED	14
IRRIGATION	on
PLAYGROUND REPAIRS	2

- **PARK AND LANDSCAPE STRIPS:** Established winter watering program.

- **PEST:** Checked for pocket gopher activity and control.
- **MOWING:** Mowed schedule as needed.
- **PRUNE:** Pruned deciduous trees, shrubs, and vines as required.
- **WEEDS:** Spot sprayed weeds in all landscape areas as needed.
- **DOG PARK:** Opened Bridle Ridge Dog Park.
- **STORMS:** Checked all job sites for damage after each storm.

PLANNING DIVISION

APPLICATION	LOCATION	DESCRIPTION	STATUS
2017-17-ANNEX (MARK)	Sierra Pointe Specific Plan area	Specific Plan Amendment, Annexation/Pre-Zone, Tentative Subdivision Map, Financing Plan, and Development Agreement.	Staff working with Applicant on Development Agreement terms and Annexation matters. Public Hearings anticipated 2021-2022.
2019-17-General Plan Amendment and Rezone (MARK)	East F Street	48-unit multi-family residential project located adjacent to Foothills Oaks Shopping Center.	City Staff working on draft Conditions of Approval and driveway design and building treatment.
2020-22-TSM, RZ, AR-Old Stockton Road Subdivision (MARK)	Hill Road and Old Stockton Rd	37 single-family residential units	Addressing comments received from public
2021-17-Old Yard (MARK)	1110 Kaufman Rd/Greger Street	New Old Yard & Facilities	Deemed incomplete letter issued to applicant
2021-16-SPR Triplex (MARK)	426 East C Street	Triplex	Deemed incomplete letter issued to applicant
2021-22-Dodge Avenue Abandonment	Dodge Avenue	Abandonment of Dodge Ave	In Engineering Review
2021-24-Parcel Map	N. Yosemite	Cost Less Shopping Center Parcel Map	Admin. Hearing 11/17
2021-25 PM & DA Amend	570 Armstrong Way	Construct 4 Warehousing buildings (cannabis)	Application Submitted
2021-27 SPR & Design Review	152 N. Yosemite Ave	New Dining Area and Façade	Application Submitted
2021-30 LM	1206 Kaufman Rd	New Old Yard & Office	Application Submitted
2021-31 MNUP	1936 East F Street	Mobile Food Truck	Deemed Incomplete Letter issued to applicant
2021-32 SPR & AR	1003 Wakefield	New Shop and Office	Application Submitted
2021-33 MNVR & AR	Meadowlands Subdivision	Architectural Review & Setback Variance	Application Submitted
2021-34 MNUP	N. Maag Avenue	New Veterinary Office	Application Submitted

SEWER / STREETS / STORM DRAIN DIVISION

WORK COMPLETED	NUMBER
MISC. WORK ORDERS	38
TRAFFIC SIGN/STREET REPLACEMENT	12
SEWER LIFT STATION REPAIRS	8
CURB PAINTING	0 Feet
SEWER LINES CLEANED	21,381 Feet
POT HOLE REPAIRS (cold MIX) 2x2	2
CRACK SEALING (LINEAR FEET)	1,200 Feet
STORM MAIN CLEANING	4,821 Feet

- **AUTOMATIC GENERATORS:** We exercised 10 generators last month. (Weekly task-15-minute run time per week.)

OTHER TASKS ASSIGNED:

- Install new street light pole on J street behind the hospital.
- Leaf pick-up
- Trim trees on W. F. Street
- Repairs to Wakefield storm basin.
- Paving in Stanislaus alley.
- Demo concrete for sidewalk repairs x3
- Demo concrete man-holes on G street for dry wells. X3

WATER DIVISION

WORK COMPLETED	NUMBER
METER SHUT-OFFS	0
WATER METER READS	8234
MANUAL WATER METER READS	40
WATER RELATED WORK ORDERS	229
WATER TESTING / SAMPLES-ROUTINE	33
WATER TESTING / SAMPLES-WELL HEADS	7
EMERGENCY WATER SERVICE LINE REPAIRS	0
WATER COMPLAINTS	11
UNDERGROUND SERVICE LOCATES FOR CITY UTILITIES	83

- **IRRIGATION WATER & DROUGHT:** Since the drought regulations started, which includes comparable water usage monitoring to similar dates in 2013, water usage In November 2021 was 33.2 % below usage in 2013 in the same month.
- **Well 4:** Well, is back in service. Efficiency is 72% which is outstanding with an increase of 30% in water production output.
- **Well 6:** Cleaning well and install pump Week of 12/6/21

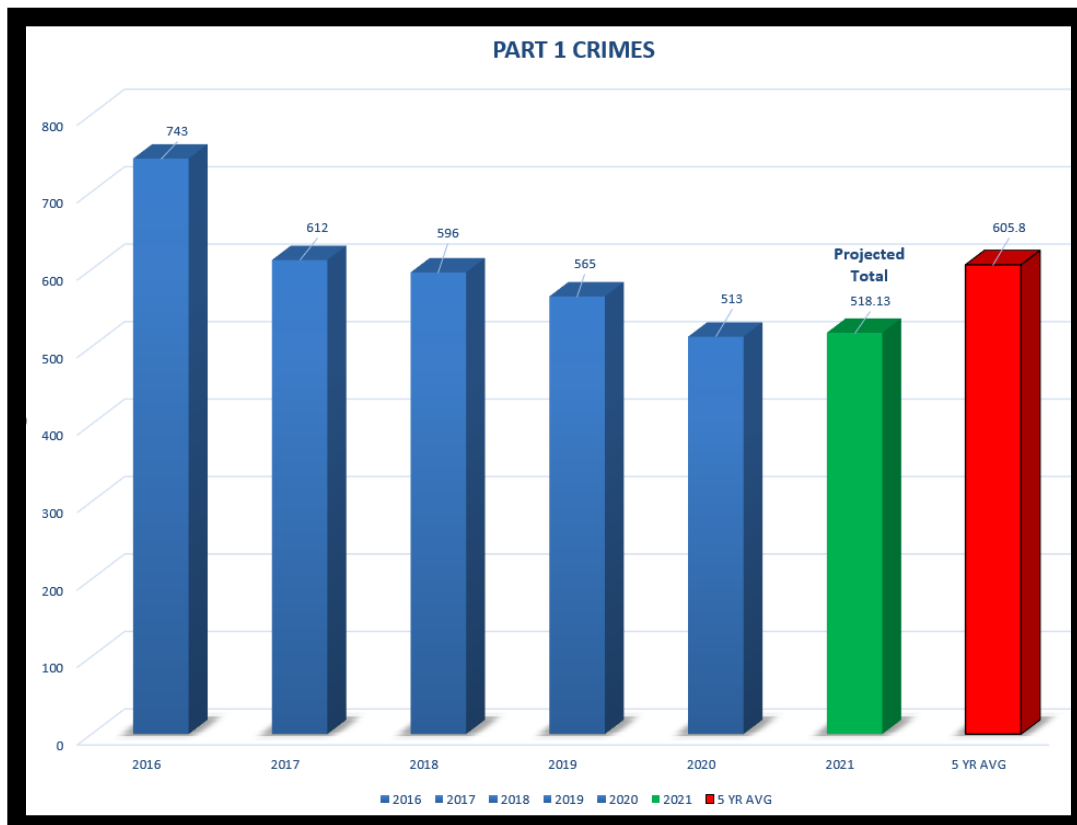
To: Bryan Whitemyer, City Manager
From: Jerry Ramar, Chief of Police
Re: December 2021 Police Department Report for November



CRIME STATS - YTD

Below are the latest available crime stats for the calendar year to date (January – November 2020 vs January – November 2021 - Attachment A):

- YTD crime has increased 1% from 2020. 2020 was the year of the pandemic. Therefore, we saw a drastic reduction of crime in 2020. We anticipated a 5% increase for 2021, but we continue to trend downward in crime when compared to the previous years.
- There was one homicide January through November in 2020 and one in 2021.
- Robbery decreased 8% from 12 in 2020 to 11 in 2021.
- Aggravated Assault decreased 39% from 28 in 2020 to 17 in 2021.
- Rape decreased 13% from 8 in 2020 to 7 in 2021.
- Simple Assault increased 20% from 143 in 2020 to 172 in 2021.
- Burglary increased 28% from 53 in 2020 to 68 in 2021.
- Vehicle Theft decreased 23% from 52 in 2020 to 40 in 2021.
- Larceny decreased 8% from 179 in 2020 and 164 in 2021.
- Non-Injury Collisions increased 87% from 86 in 2020 to 161 in 2021.
- Injury Collisions increased 50% from 50 in 2020 to 75 in 2021.



TOTAL INCIDENT STATS - YTD

The department has responded to a total of 25,530 incidents for the calendar year to date:

Total Incident Stats YTD	
Calls for Service	16,555
Officer Initiated Incidents	8,975
Traffic Stops	2,716
Other Officer Involved Activity Incidents	6,259
Business / Building Checks	844
Vehicle / Pedestrian Checks	1,170

INCIDENT BREAKDOWN

During the month of November, the police department responded to 2,232 incidents/calls for service. Below is a list highlighting just a few of the various incident types and counts. The comprehensive list of incidents is attached to the end of this report (Attachment B). **The Police Department made sixteen (16) Driving Under the Influence arrests, and issued over 85 citations in November. The Police Department conducted several DUI patrols utilizing the CHP cannabis and OTS STEP grants, including vehicle code enforcement patrols, such as red light and cellphone violators.**

Incidents by Incident Type November 2021	
Suspicious Person	56
Suspicious Vehicle	74
Audible Alarm	96
Silent Alarm	9
Reckless Driving	34
Pedestrian Contact	31
Disturbance	14
Noise Disturbance	19
Petty Theft	14
Burglary	7
Traffic Stop	386
New Warrants	60

PATROL – ONGOING

- On November 3rd, officers conducted a traffic stop for vehicle code violations. The driver was arrested for DUI and found to be in possession of narcotics identified as cocaine.

December 2021 Police Department Report for November

- On November 9th, officers were dispatched to Pontiac and Oak Avenue for reports of a verbal argument and vehicles speeding in the area. While officers were enroute to the area, it was reported that a female was attempting to escape from a vehicle. The female was contacted by officers and a male suspect was arrested on several charges, including kidnapping and false imprisonment.
- On November 11th, officers were dispatched to 224 N. 4th Avenue for reports of loud music. This address is known to officers as being a gang related residence. Upon arrival, officers learned there was a two-year-old child inside the residence, and possibly female subjects being falsely imprisoned. Officers forced entry into the residence. Two known gang members were arrested on several charges, including felony arrest warrants, child endangerment and probation violations. It was later determined the male subjects who were arrested would not allow the females to leave the residence, and the two-year-old was sleeping next to narcotics his father placed in his bed.
- On November 15th, officers were dispatched to the H-B Saloon for a possible burglary in progress. It was reported by a passerby that someone broke a window and had entered the business. Upon arrival, officers provided several verbal announcements attempting to determine if anyone was inside; however, no one responded to officer commands. The owner later arrived on scene and advised no one should be on the property and he was willing to press charges for burglary. Due to the suspect refusing to come out and officers being unaware if the suspect was armed, OPD K9 Csiko was deployed and located the suspect hiding under the bar. The suspect refused to show officers his hands and was therefore apprehended by K9 Csiko. The suspect was arrested and booked into county jail for burglary, vandalism, and assault on an officer.
- On November 27th, officers responded to 2243 Kaufman Road for reports of a male subject trespassing and acting strange and running from homeowners in the area. After an extensive search of the orchards and outbuildings, the male subject was located. The subject resisted officers and he was booked into county jail.
- On November 30th, officers served a search warrant at 426 East C Street in regards to a prior vehicle pursuit and the residence being known for criminal activity. Officers entered the residence and took two male subjects into custody. While officers were inside, they noticed several narcotics in plain sight along with an AK 47 rifle and high-capacity magazines. A male subject was located in the restroom hiding from officers and was armed with a .357 revolver. Two of the male subjects were arrested and booked for illegal weapon and narcotics charges including possession of heroin, methamphetamine, possession of assault weapons and felons in possession of firearms.

SUPPORT SERVICES

- Detectives are currently investigating or assisting in the investigation of 25 active cases.
- Detectives served a search warrant to locate the IP address for a person downloading child pornography. The IP address came back to an address at 329 S. Maag Avenue in Oakdale. Sergeant C. Stilwell authored two additional search warrants and served them at the residence. During the search, a female at the location was arrested for 148PC. This investigation is pending forensic results of electronics seized from the residence.
- Detectives attended an autopsy of Darrell Glasgow (aka Wizard) in regards to his unattended death. RIMS history showed Glasgow was involved in a vehicle vs pedestrian collision 44 days prior to his unattended death. Upon examination of the intercranial lining of his skull, hemorrhaging was noticed consistent with the traffic collision. The pathologist determined the brain bleed wasn't enough to cause his death. The investigation is pending toxicology report.
- Detectives received a report of bank fraud over \$2,500. A search warrant was authored for bank records and an affidavit for the suspect's arrest. OPD21-2800.
- Detectives took DNA evidence to S.E.R.I. to process for the Joey Ross murder.
- Detectives followed up on 1 Crime Stopper tip.

EVENTS AND PROJECTS

- PD Renovation
- FUSUS Real Time Crime Center (RTCC)
- Chief Ramar was sworn in as the new Chief of Police on November 1st.

RECRUITMENT

- The Department continues to maintain an approximate 95% staffing rate of full-time employees.
- The Department continues to recruit full-time and part-time Public Safety Dispatcher/Clerks.

- The Department continues to recruit reserve Police Officers.
- Travis McGowen started as a part-time Dispatcher Clerk on November 1st.

ONGOING

Staff received the graffiti report for the month of November from the city's TAG (Team-up Against Graffiti) coordinator Mike Hancock. Mr. Hancock reported there were a total of eight incidents for the month of November, which is an increase over October, but still a more normal rate for the month of November. Incidents this month included one each at Dorada Park and Gilbert Park. In addition, there were several incidents around the hospital, medical offices, and near or in the Ash Street tunnel. Public Services was asked to help clear graffiti at a difficult to reach location on the underside of the railroad bridge over Willowood. There were no gang related graffiti incidents reported for the month of November. TAG is aware of one open graffiti incident at the end of November and advised it was due to a delay in TAG receiving the information once the PD report was created, therefore it has not been dispatched by TAG for resolution as of yet. Please note, graffiti occurring at the Community Park is now being reported to either TAG or to PD for reporting and abatement by Public Works. The details are now incorporated into the reporting for more inclusive city-wide view. A map showing graffiti incidents is attached (Attachment C)

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OAKDALE POLICE DEPARTMENT CRIME STATISTICS - NOVEMBER 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	YTD 2021	YTD 2020	YTD +/-%	Monthly Change		Comparison	
PART ONE																Increase/Decrease		Increase/Decrease	
Homicide	0	0	0	0	0	0	0	0	1	0	0		1	1	0%	0	0%	0	0%
Rape	2	0	0	1	1	3	0	0	0	0	0		7	8	-13%	0	100%	0	100%
Robbery	1	0	1	1	2	1	0	2	2	1	0		11	12	-8%	-1	-100%	-1	-100%
Assault Total	11	10	11	20	16	25	27	24	14	16	15		189	171	11%	-1	-6%	-26	36%
Aggravated Assault	1	1	0	2	1	1	4	2	3	1	1		17	28	-39%	0	0%	-1	100%
Simple Assault	10	9	11	18	15	24	23	22	11	15	14		172	143	20%	-1	-7%	-25	27%
Burglary	0	7	5	2	12	8	9	2	8	5	10		68	53	28%	5	100%	-14	150%
Vehicle Theft	2	3	3	2	6	7	2	6	2	6	1		40	52	-23%	-5	-83%	-7	-83%
Larceny-Theft	21	8	16	12	18	15	20	10	15	16	13		164	179	-8%	-3	-19%	-33	-35%
	37	28	36	38	55	59	58	44	42	44	39	0	480	476	1%	-5	-11%	-81	-7%
CITATION TOTAL:	250	153	160	125	137	120	163	118	108	124	155	0	1613	2208	-27%	31	25%	-360	-24%
Moving	137	53	81	41	52	48	45	49	36	63	79		684	1070	-36%	16	25%	-138	34%
Criminal	87	67	51	48	52	46	79	42	35	35	32		574	723	-21%	-3	-9%	-103	-55%
Parking	24	30	22	20	16	13	25	16	29	11	28		234	325	-28%	17	155%	-97	-59%
Animal	2	3	6	16	17	13	14	11	8	15	16		121	90	34%	1	7%	-22	167%
ARRESTS TOTAL:	191	149	152	126	146	150	181	150	164	168	147	0	1724	1920	-10%	-21	-13%	-331	-20%
Adult - Felony	25	26	28	35	26	39	23	32	35	32	32		333	331	1%	0	0%	-71	-18%
Adult - Misd.	163	120	123	91	117	110	154	111	118	130	113		1350	1556	-13%	-17	-13%	-255	-20%
Juvenile - Felony	2	3	1	0	0	0	2	2	3	3	1		17	13	31%	-2	-67%	-2	0%
Juvenile - Misd.	1	0	0	0	3	1	2	5	8	3	1		24	20	20%	-2	-67%	-3	-50%
ACCIDENT TOTAL:	16	9	12	20	34	26	30	25	21	28	15	0	236	136	74%	-13	-46%	-30	0%
Non-Injury	10	7	6	18	17	20	26	16	13	19	9		161	86	87%	-10	-53%	-19	-10%
Injury	6	2	6	2	17	6	4	9	8	9	6		75	50	50%	-3	-33%	-11	20%
Number Injured	6	2	6	3	37	7	4	13	9	10	8		105	77	36%	-2	-20%	-15	14%
Fatalities	0	0	0	0	0	0	0	0	0	0	0		0	1	-100%	0	100%	0	100%
Pedestrian	2	1	1	0	1	2	0	0	1	2	0		10	2	400%	-2	-100%	0	100%
Bike	0	1	1	0	1	0	0	0	0	0	0		3	8	-63%	0	100%	-1	-100%
Motorcycle	1	1	1	0	0	2	0	0	1	1	0		7	8	-13%	-1	-100%	-1	-100%
PCF - Speed	8	4	1	0	9	8	8	8	7	4	5		62	45	38%	1	25%	-11	-17%
PCF - Rt of Way	2	1	3	0	4	3	4	3	4	6	1		31	13	138%	-5	-83%	-2	0%
DUI	2	1	0	0	3	3	3	0	0	3	1		16	16	0%	-2	-67%	-3	-50%
DUI Arrests	12	3	6	11	6	12	15	6	5	17	12		105	103	2%	-5	-29%	-25	-8%
Citation: 14601	20	10	23	10	12	11	10	11	12	16	13		148	209	-29%	-3	-19%	-36	-43%
Thirty Day Holds	2	1	1	0	0	0	0	1	0	1	1		7	14	-50%	0	0%	-2	0%
DOMESTIC VIO.	8	8	8	19	13	15	13	19	9	4	8		124	113	10%	4	100%	-18	-20%
Vandalism	14	16	20	15	27	19	16	15	31	20	23		216	140	54%	3	15%	-38	53%
Gang Related Cases	3	2	5	0	0	1	0	2	5	1	2		21	12	75%	1	100%	-3	100%
Arson	0	0	0	0	0	0	1	1	0	1	0		3	9	-67%	-1	-100%	-1	-100%
TOT INCID. RPTD:	2529	2091	2359	2224	2456	2343	2515	2283	2336	2341	2280		25757	28402	-9%	-61	-3%	-4856	-11%

**OAKDALE POLICE DEPARTMENT****INCIDENTS BY INCIDENT TYPE
NOVEMBER 2021****ATTACHMENT B**

12/3/2021

INCIDENT TYPE	DESCRIPTION	NUMBER THIS TYPE
10-37	10-37 Susp Person	56
10-38	10-38 Susp Vehicle	74
10-44	10-44 Suicide/Attempt Suicide	4
10-48	10-48 Person Down	1
10-50	10-50 Prowler	1
10-53	10-53 Missing Person	6
10-57D	10-57d Dead Animal	12
10-57I	10-57i Injured Animal	8
10-57S	10-57s Stray Animal	50
10-57V	10-57V Vicious Animal	7
10-60	10-60 Audible alarm	96
10-61	10-61 Silent Alarm	9
10-64S	10-64s Subpoena Service	25
10-64W	10-64w Warrant Service	5
10851	10851 VC Stolen Vehicle	8
10852	10852 VC Vehicle Tampering	1
11-24	11-24 Abandoned Veh	29
11-25	11-25 Road Hazard	5
11-44	11-44 Unattended Death OR Suicide	4
11-79	11-79 Traff Coll - Ambulance ER	2
11-80	11-80 Traff Coll - Major Injury	1
11-81	11-81 Traff Coll - Minor Injury	3
11-82	11-82 Traff Coll - Non Injury	14
11-83	11-83 Traff Coll - Unk details	7
12500	12500 VC Unlicensed Driver	2
14601.2A	Drive w/License suspended DUI	1
148	148 PC Delaying/Obstructing	1
166.4	Contemp Disoby Crt Order	6
20002	20002 VC Hit & Run	14
211	211 PC Robbery	1
23103	23103 VC Reckless Driving	34
23152	23152 VC Driving Under Influence	1
240	240 PC Assault	3
242	242 PC Battery	3
273.5	273.5 PC Domestic Violence	2
273.6	273.6 PC Viol of Ct Order	1
288	288 PC Child Molest	1
290	290 PC Sex Offender Registrant	8
30DAY	30 DAY HEARING	1
368	368 PC Elder Abuse	2
4000A	4000A VC Expired Registration	4
415	415 PC Disturbance	14
415E	415E PC Noise Disturbance	19
415F	415F PC Family Disturbance	1

**OAKDALE POLICE DEPARTMENT**

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**INCIDENTS BY INCIDENT TYPE
NOVEMBER 2021**

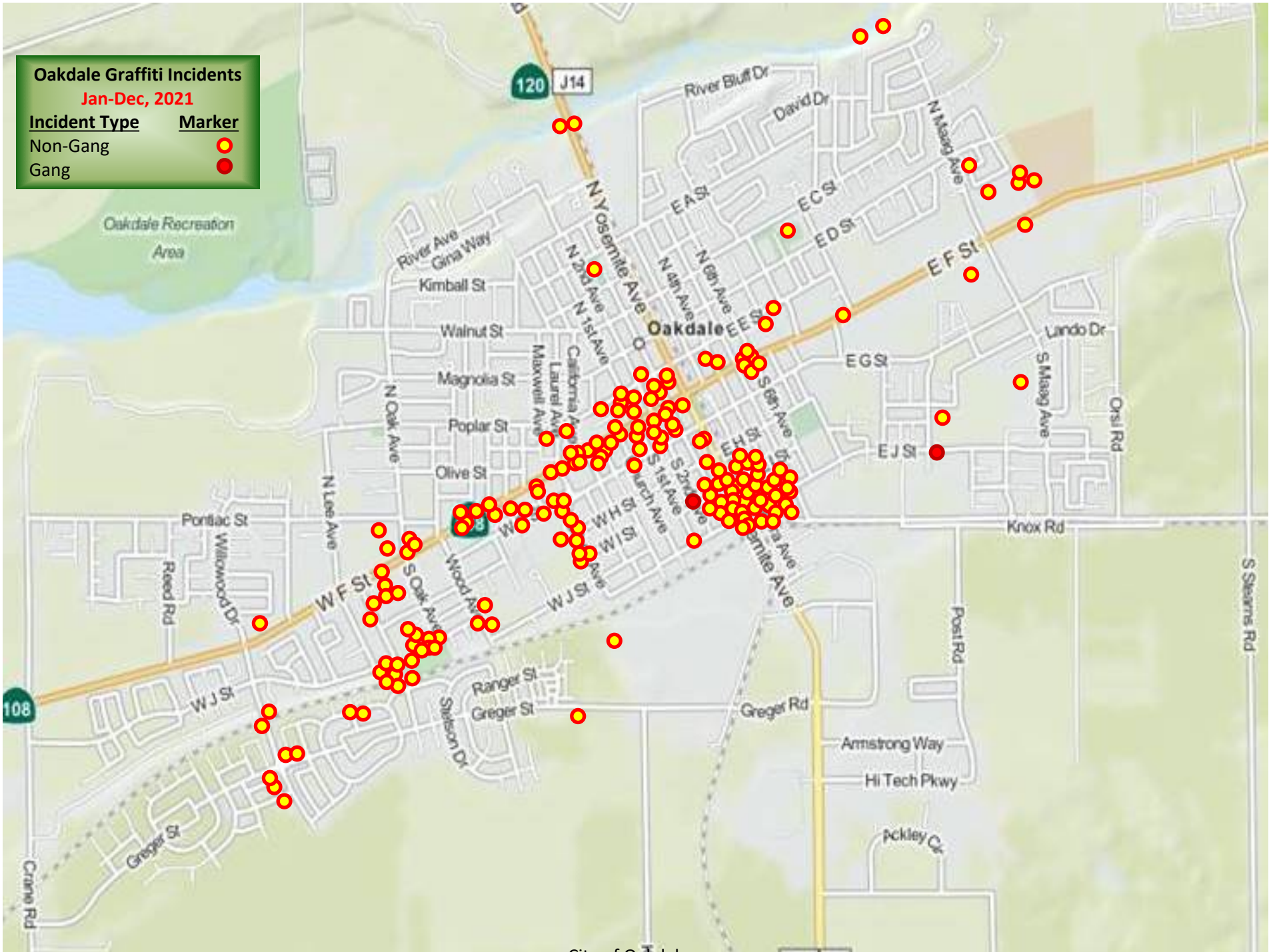
12/3/2021

INCIDENT TYPE	DESCRIPTION	NUMBER THIS TYPE
415V	VERBAL ARGUMENT	12
459	459 PC Burglary	3
460	460 PC Burglary	4
484E PC	Theft of Access Card/Account Info	1
484G PC	Fraudulent Use of Access Card/Account Info	3
487	487 PC Grand Theft	4
488	488 PC Petty Theft	14
503	503 PC Embezzlement	2
5150	5150 WI Mentally Disabled	3
530.5 PC	Identity Theft	1
594	594 PC Vandalism	21
602	602 PC Trespassing	12
647F	647F PC Public Intoxication	1
911	911 Hang up	225
ANIMAL	Animal Incident	46
AOA	Assist Outside Agency	22
AREACK	Area Check	73
ARREST	Arrest	33
ASSIST	Public Assist	47
BARCK	Bar Check	8
BARK	Barking Dog Complaint	16
BIKE	Bicycle Stop	7
BITE	Animal Bite	3
BOL	BOL	15
C5	C5 Stake Out	4
C6	C6 Follow - up	6
CITE	Cite Sign Off	16
CIVIL	Civil Problem	5
COMP	Complaint	31
COP	COMMUNITY ORIENTED POLICING	3
CT ORD	Court Order	2
EMS	Emergency Med Srv	136
EVENT	SPECIAL EVENT	1
FIRE	Fire, Non-specific	19
FIREWORK	Firework Complaint	2
FLAG	Citizen Flag Down	12
FOOT	Foot Patrol	1
FPROP	Found Prop	13
GASLEAK	Gas Leak	2
GRAFFITI	Graffiti	7
HARASS	Harassment	5
HOME	Home Check	17
HS	Drug Activity	6
INFO	Information	60

**OAKDALE POLICE DEPARTMENT****INCIDENTS BY INCIDENT TYPE
NOVEMBER 2021**

12/3/2021

INCIDENT TYPE	DESCRIPTION	NUMBER THIS TYPE
INVEST	Investigation	1
JUVCOMP	Juvenile Complaint	19
LPROP	Lost Property	2
MOTORIST	Motorist Assist	1
OCC CK	OCC ENFORCEMENT	13
PED	Pedestrian Contact	31
PKG	Parking Comp	42
PPTOW	Private Property Tow	4
PREMCK	Premise Check	8
PURSUIT	Pursuit	1
PW	Public Works Detail	3
REPO	Repossessed Vehicle	8
SEARCH	Search	1
SECK	Security/Welfare Check	52
SHELTER	ACO SHELTER DUTIES	2
SHOTS	Shots Fired	9
SMOKE	Smoke Check	1
SRO	School Resource Inc	6
SUPCIR	Susp Circ	45
THREAT	Threat Complaint	10
TRAFFIC	Special Traffic Enforcement	4
TRAINING	Training Assignment	2
TSTOP	Traffic Stop	386
WARFRGN	Foreign Wrnt Proc	1
WARNEW	New Warrant	60
WARRANT	Warrant Arrest	4
XPTL	Extra Patrol	44
XRPT	Cross Report	1
Total Incidents		2232



OAKDALE CITY

MONTHLY REPORT (as dispatched)

October 2021

	SEPT 2021	OCT 2021	% CHANGE	YTD 2020	YTD 2021	% CHANGE
CALLS FOR SERVICE (CFS)	206	243	18%	2,000	2,282	14%
APPARATUS RUNS	347	355	2%	3,291	3,746	14%

FIRES	SEPT 2021	OCT 2021	% CHANGE	YTD 2020	YTD 2021	% CHANGE
STRUCTURE	0	0	#DIV/0!	10	11	10%
VEHICLE	2	1	-50%	14	17	21%
VEGETATION	7	4	-43%	47	35	-26%
OTHER	2	2	0%	57	47	-18%
TOTAL FIRES	11	7	-36%	128	110	-14%

EMS	SEPT 2021	OCT 2021	% CHANGE	YTD 2020	YTD 2021	% CHANGE
EMS	138	153	11%	1,200	1,479	23%
VEHICLE ACCIDENT	12	19	58%	111	168	51%
CPR	2	7	250%	35	34	-3%
TOTAL EMS	152	179	18%	1,346	1,681	25%

OTHER	SEPT 2021	OCT 2021	% CHANGE	YTD 2020	YTD 2021	% CHANGE
FIRE ALARM	6	11	83%	147	108	-27%
CO ALARM	1	1	0%	37	16	-57%
ALL OTHER	36	45	25%	342	367	7%
TOTAL OTHER	43	57	33%	526	491	-7%

RESPONSE TIMES	SEPT 2021	OCT 2021	CHANGE
AVG RESPONSE TIME	0:06:56	0:07:04	+8secs
AVG TURNOUT TIME	0:01:39	0:01:36	-3secs