

ADDENDUM - MITIGATED NEGATIVE DECLARATION

San Joaquin Phase 2 Water
System Improvements

SCH #2018121015

February 2020

PREPARED FOR:



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 Attachment B -	 <i>San Joaquin Phase 2 Water System Improvement Project</i> IS/MND (including technical appendices), adopted in February 5, 2019 (State Clearinghouse #2018121015), by the City of San Joaquin.

SECTION ONE – INTRODUCTION

This environmental document is an Addendum to the *San Joaquin Phase 2 Water System Improvements* (Approved Project) Mitigated Negative Declaration (IS/MND), adopted on February 5, 2019 (State Clearinghouse #2018121015), by the City of San Joaquin. After filing the Notice of Determination, minor changes were made to the Project which included removing some project components (various pipelines) and adding some additional pipelines that were not originally included in the IS/MND, but that were included within the study areas of the adopted IS/MND. See Section Two – Project Description for more information. As demonstrated in this Addendum, there are no additional impacts that result from this consolidation of Project components and the IS/MND continues to serve as the appropriate document addressing the environmental impacts of these changes, pursuant to California Environmental Quality Act (CEQA).

1.1 Addendum Purpose

When a proposed project is changed or there are changes in environmental setting, a determination must be made by the Lead Agency as to whether an Addendum or Subsequent EIR or MND is prepared. CEQA Guidelines Sections 15162 and 15164 sets forth criteria to assess which environmental document is appropriate. The criteria for determining whether an Addendum or Subsequent MND is prepared are outlined below. If the criteria below are true, then an Addendum is the appropriate document:

- No new significant impacts will result from the project or from new mitigation measures.
- No substantial increase in the severity of environment impact will occur.
- No new feasible alternatives or mitigation measures that would reduce impacts previously found not to be feasible have, in fact been found to be feasible.

Based upon the information provided in Section Three of this document, implementation of the Approved Project will not result in new significant impacts or substantially increase the severity of impacts previously identified in the IS/MND, and there are no previously infeasible alternatives that are now feasible. None of the other factors set forth in Section 15162(a)(3) are present.

As such, an Addendum is appropriate, and this Addendum has been prepared to address the environmental effects of the project modifications.

1.2 Environmental Analysis and Conclusions

This Addendum addresses the environmental effects associated only with modifications to the Approved Project that have occurred since adoption of the IS/MND. The conclusions of the analysis in this Addendum remain consistent with those made in the IS/MND. No new significant impacts will result, and no substantial increase in severity of impacts will result from those previously identified in the IS/MND.

1.3 Incorporation by Reference

In compliance with CEQA Guidelines Section 15150, this Addendum has incorporated by reference the following documents:

- *City of San Joaquin Consolidated Water Treatment Project* IS/MND (including technical appendices), adopted in December 5, 2017 (State Clearinghouse #2017101060), by the City of San Joaquin.
- *San Joaquin Phase 2 Water System Improvement Project* IS/MND (including technical appendices), adopted in February 5, 2019 (State Clearinghouse #2018121015), by the City of San Joaquin.

These documents are available to the general public for review at the City of San Joaquin, 21900 Colorado Avenue, San Joaquin, CA 93660.

Information from these documents incorporated by reference into this Addendum have been briefly summarized in the appropriate section(s) which follow, and the relationship between the incorporated part of the referenced document and this Addendum has been described.

1.4 Addendum Process

As described in Section 1.1, an addendum to an adopted negative declaration may be prepared if only minor technical changes or additions are necessary or none of the conditions described in Section 15162 calling for the preparation of a subsequent EIR or negative declaration have occurred.¹ An addendum need not be circulated for public review but can be included in or attached to the Final EIR or Negative Declaration.² The decision-making body shall consider the addendum with the final EIR or adopted negative declaration prior to making a decision on the

¹ CEQA Guidelines, Section 15164(a)

² CEQA Guidelines, Section 15164(c)

project.³ Once adopted, the Addendum, along with the original EIR or Negative Declaration, is placed in the Administrative Record, and the CEQA process is complete.

A copy of the Addendum will be transmitted to the State Clearinghouse.

³ CEQA Guidelines Section 15164(d)

SECTION TWO – PROJECT DESCRIPTION

2.1 Location and Setting

The City of San Joaquin (City) is located within the San Joaquin Valley, approximately 25 miles southwest of the City of Fresno, in Fresno County. The City is approximately six miles northwest of State Route 145 and 15 miles east of Interstate 5. The Consolidated Water Treatment Project (Project) is within the City limits of San Joaquin in Township 15 South, Range 16 East, Sections 23, 24, 25, and 26, as depicted on the San Joaquin, California, U.S. Geological Survey 7.5-minute quadrangle.

2.2 Project Description

Original Project Description

The original project description is copied from the 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND verbatim as follows:

“The City’s Phase 2 Water System Improvements Project consists of several improvements to the existing treatment and distribution system. The Project will involve installing a new well (Well #6), a 71,000-gallon tank for backwash storage and sludge settling and associated filtration equipment, approximately 2,300 linear feet of 10- inch diameter pipeline to convey raw ground water from Well #4 to Well #6, approximately 700 feet of 12-inch pipeline to connect Well #6 to the existing water distribution system, and approximately 400 feet of 6-inch sewer pipe to connect the new well filtration system to the existing sewer system to dispose of manganese sludge. In addition, approximately 1,620 feet of new 6-inch water main will be installed and approximately 8,200 feet of existing 6-inch water main will be replaced. These infrastructure improvements will help the City reliably meet the maximum daily demand of 1,500 Gallons Per Minute (GPM) and the peak hour demand of 3,339 GPM.

Improvements to the aging distribution system include the installation of a 6-inch-diameter pipeline along Manning Avenue to complete the connection of replacement pipelines between Railroad Avenue and Colorado Avenue and along various alleys between West Colorado Avenue and Nevada Avenue, Idaho Avenue, and Railroad Street, and from Manning Street to Pine Avenue between Oregon Avenue and Idaho Avenue.

The locations of the improvements are shown in Figures 2 and 3. Refer to the City of San Joaquin Water Supply, Treatment, Storage, and Distribution Improvement Preliminary Engineering Report (Gouveia Engineering 2017) for the full description of improvements.

Construction:

Construction will occur as plans and funding are in place and is expected to start in 2019. All construction staging of equipment and materials for the well and water treatment system will be within the Well #6 site and the vacant areas surrounding the site.”

Changes to the Original Project Description

The following components were transferred/removed from the Phase 2 Project to the original Consolidated Water Treatment Project (through the CEQA Addendum process for the Consolidated Water Treatment Project 2017 IS/MND) after the Phase 2 Project IS/MND was adopted:

- Installation of 6” water main replacement, approximately 5,170 linear feet.
- Installation of 8” water main replacement, approximately 1,360 linear feet.
- Installation of 12” water main replacement, approximately 975 linear feet.
- Installation of 12” new water main, approximately 1,770 linear feet.

The following components were added to the Phase 2 Project after the IS/MND was adopted:

- Installation of 6” water main replacement, approximately 3,100 linear feet.
- Installation of 8” water main replacement, approximately 4,890 linear feet.
- Installation of 12” new water main, approximately 1,300 linear feet.

The net amount (linear feet) of pipelines being replaced/added is approximately the same as was originally evaluated in the Phase 2 IS/MND. These additional improvements are within the same areas that were evaluated in the Phase 2 IS/MND and thus have been environmentally evaluated under CEQA. That analysis included biological and cultural surveys, as well as other technical analysis. As previously discussed, for purposes of continuity with funding applications and construction schedules, some of the components originally included in the Phase 2 IS/MND have been moved to the original Consolidated Water Treatment Project (through a separate addendum for that IS/MND), and some additional components are being added to this Phase 2 Project (see above for specific information). This removal/addition of pipelines to the Phase 2 Project is the subject of this Addendum.

The following graphics are included for reference:

- Figure 1 – Original Project Layout
- Figure 2 – Original Well #6 Treatment Site
- Figure 3 – Amended/Proposed Project Layout

Figure 1 – Original Phase 2 Project Layout

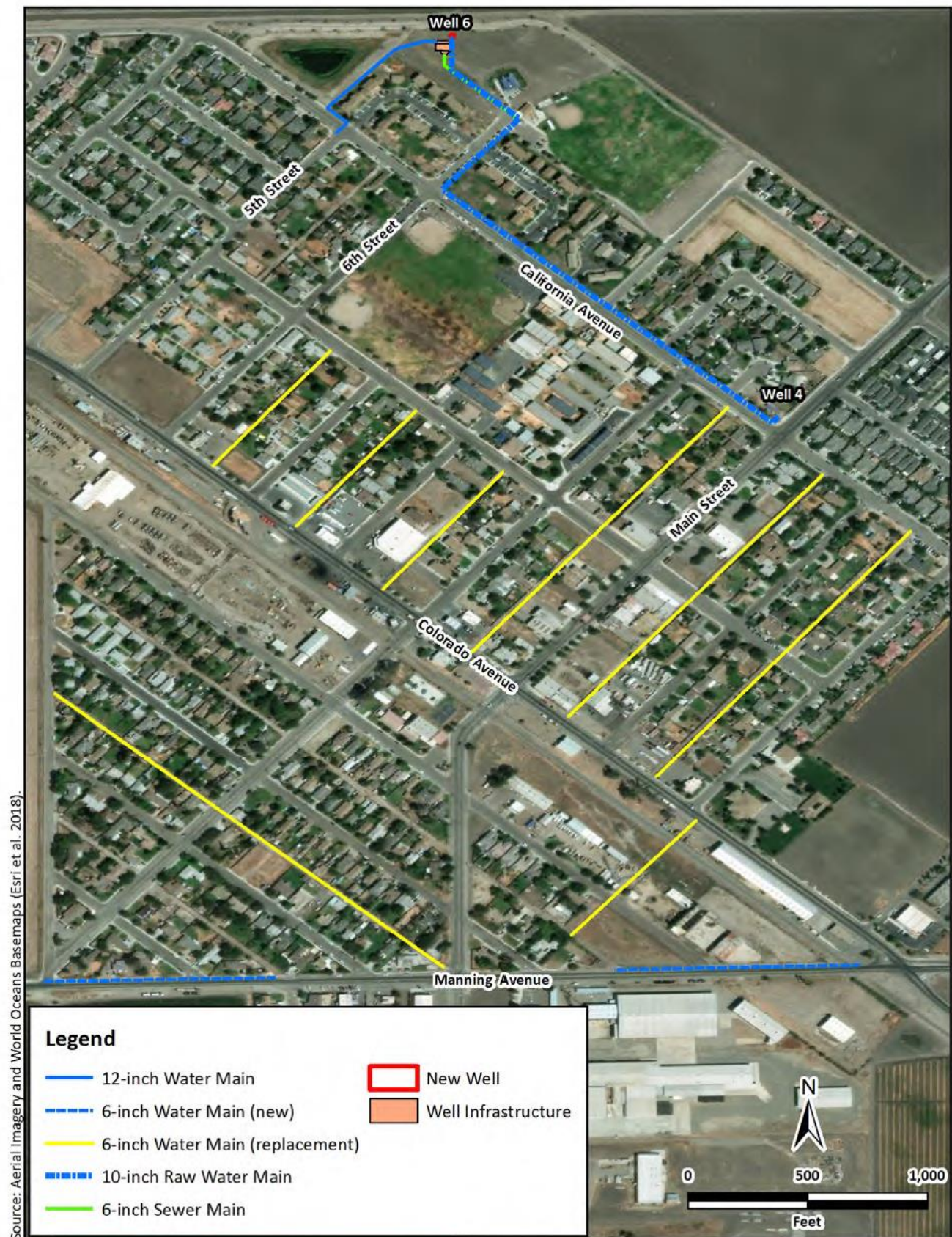


Figure 2 – Original Phase 2 Well #6 Treatment Site



Figure 3 – Amended / Proposed Phase 2 Project Layout



SECTION THREE – CEQA CHECKLIST

The purpose of the checklist is to evaluate the categories in terms of any changed condition (e.g., changed circumstances, project changes, or new information of substantial importance) that may result in a changed environment result (e.g., a new significant impact or substantial increase in the severity of a previously identified significant effect)⁴.

The questions posed in the checklist come from Appendix G of the CEQA Guidelines. A “no” answer does not necessarily mean that there are no potential impacts relative to the environmental category, but that there is no change in the condition or status of the impact since it was analyzed and addressed with mitigation measures in the IS/MND prepared for the project. These environmental categories might be answered with a “no” in the checklist, since the proposed project does not introduce changes that would result in modification to the conclusion of the adopted IS/MND.

3.1 Checklist Evaluation Categories

Conclusion in Prior IS/MND – This column provides a cross reference to the section of the IS/MND where the conclusion may be found relative to the environmental issue listed under each topic.

Do Proposed Changes Involve New Impacts? – Pursuant to CEQA Guidelines Section 15162(a)(1), this column indicates whether the changes represented by the revised project will result in new significant environmental impacts not previously identified or mitigated by the IS/MND, or whether the changes will result in a substantial increase in the severity of a previously identified significant impact.

New Circumstances Involving New Impacts? – Pursuant to CEQA Guidelines Section 15162(a)(2), this column indicates where there have been substantial changes with respect to the circumstances under which the project is undertaken that will require major revisions to the IS/MND, due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects.

New Information Requiring Analysis or Verification? – Pursuant to CEQA Guidelines Section 15162(a)(3)(a-d), this column indicates whether new information of substantial importance, which was

⁴ CEQA Guidelines Section 15162

not known and could not have been known with the exercise of reasonable diligence at the time of the previous FEIR or MND was certified as complete.

Adopted IS/MND Mitigation Measures – Pursuant to CEQA Guidelines Section 15162(a)(3), this column indicates whether the IS/MND provides mitigation measures to address effects in the related impact category.

3.2 Environmental Analysis

As explained in Section One, this comparative analysis has been undertaken pursuant to the provisions of CEQA Sections 15162 and 15164 to provide the City with the factual basis for determining whether any changes in the project, any changes in circumstances, or any new information since the IS/MND was adopted require additional environmental review or preparation of a Subsequent MND or EIR the IS/MND previously prepared.

I. AESTHETICS

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Have a substantial adverse effect on a scenic vista?	No Impact.	No. There are no identified scenic vistas in the area.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. There are no identified scenic vistas in the area.	None.
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	No Impact.	No. There are no scenic resources in the project area.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. There are no scenic resources in the project area.	None.
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	No Impact.	No. The project would not substantially degrade site existing visual character.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not substantially degrade site existing visual character.	None.
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	Less Than Significant Impact.	No. The project would not create a source of substantial light or glare.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not create a source of substantial light or glare.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have no impact to aesthetic resources. The Project consists of underground pipelines and improvements to the water treatment plant. Once constructed, the pipelines will not be visible. In addition; public facilities, urban development and agriculture are found in close proximity to one another throughout both rural and urban parts of the Central Valley. As such, the proposed Project will not substantially degrade the existing visual character or quality of the area or its surroundings. Therefore, the Project will continue to have no aesthetic impact.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

II. AGRICULTURAL RESOURCES

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use?	No Impact.	No. The project will not remove any land from agricultural production.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The proposed project remains the same concerning agricultural resources.	None.
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	No Impact.	No. The project will not remove any land from agricultural production.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The proposed project remains the same concerning agricultural resources.	None.
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	No Impact.	No. The project will not remove any land from agricultural production.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The proposed project remains the same concerning agricultural resources.	None.
d. Result in the loss of forest land or conversion of forest land to non-forest use?	No Impact.	No. There is no forest land on site.	No. The additional pipelines were environmentally evaluated in the	No. The proposed project remains the same concerning	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
			Phase 2 IS/MND.	agricultural resources.	
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	No Impact.	No. The project will not remove any land from agricultural production	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The proposed project remains the same concerning agricultural resources.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have no impact to agricultural or forest resources. The proposed Project will not remove any forest land or land from agricultural production. The proposed pipelines will be installed within existing roadways and will not impact any agricultural resources.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

III. AIR QUALITY

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Conflict with or obstruct implementation of the applicable air quality plan?	Less Than Significant Impact.	No. The project would not create new significant increases in air emissions that would conflict or obstruct implementation of an available air quality plan.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not create new significant increases in air emissions that would conflict or obstruct implementation of an available air quality plan.	None.
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	Less Than Significant Impact	No. The project would not introduce any new impacts related to air quality standards or violations not previously disclosed.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not introduce any new impacts related to air quality standards or violations not previously disclosed.	None.
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	Less Than Significant Impact.	No. The project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
d. Expose sensitive receptors to substantial pollutant concentrations?	Less Than Significant Impact.	No. The project would not expose sensitive receptors to substantial pollutant concentrations.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not expose sensitive receptors to substantial pollutant concentrations.	None.
e. Create objectionable odors affecting a substantial number of people?	Less Than Significant Impact	No. The project does not involve any land uses that would create additional objectionable odors.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project does not involve any land uses that would create additional objectionable odors.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts to air quality. As previously discussed, the net amount (linear feet) of pipelines being replaced/added is approximately the same as was originally evaluated in the Phase 2 IS/MND. The Project will not significantly increase the severity of air quality impacts or result in a significant increase in emissions.

The estimated annual construction and operational emissions from the Phase 2 project were calculated using the California Emissions Estimator (CalEEMod), Version 2016.3.1. The CEQA document provided air emission estimates that were so far below any established thresholds, that the addition of pipelines would not result in any significant impacts. Therefore, there remains a less than significant impact.

The Air District rules and regulations identified in the IS/MND pertaining the original project description also apply to the additional pipelines.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

IV. BIOLOGICAL RESOURCES

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	Less Than Significant with Mitigation Incorporation.	No. The additional pipelines were biologically surveyed in the Phase 2 IS/MND.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The additional pipelines were biologically surveyed in the Phase 2 IS/MND.	MM – Nesting Birds and Swainson’s Hawk
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	Less Than Significant Impact.	No. The site does not contain any biologically unique or riparian habitat	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The site does not contain any biologically unique or riparian habitat	None.
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	No Impact.	No. There are no wetlands or protected waters associated with the project.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. There are no wetlands or protected waters associated with the project.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	No Impact.	No. The project will not interfere with any fish or wildlife movement or corridors.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project will not interfere with any wildlife movement.	None.
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	No Impact.	No. The City does not have an adopted tree ordinance.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The City does not have an adopted tree ordinance.	None.
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	No Impact.	No. The City has not adopted any biological conservation plans.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The City has not adopted any biological conservation plans.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts to biological resources with mitigation. The new/replacement pipelines will not significantly increase the severity of biological impacts, as there were no protected biological resources discovered during surveys for any of the proposed pipeline areas in the City.

The mitigation measures remain applicable to the Project.

FINAL IS/MND MITIGATION MEASURES

Mitigation Measure BIO – 1 (Protection of Swainson’s Hawk).

Mitigation Measure BIO – 2 (Protection of Migratory Nesting Birds).

CONCLUSION

The conclusions from the IS/MND remain unchanged.

V. CULTURAL RESOURCES

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	Less Than Significant Impact.	No. The passage of time will not create any new impacts. No known historic, archaeological, or paleontological resources exist on site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project footprint remains the same.	None.
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	Less Than Significant Impact.	No. The passage of time will not create any new impacts. No known historic, archaeological, or paleontological resources exist on site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project footprint remains the same.	None.
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	Less Than Significant Impact.	No. The passage of time will not create any new impacts. No known historic, archaeological, or paleontological resources exist on site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project footprint remains the same.	None.
d. Disturb any human remains, including those interred outside of formal cemeteries?	Less Than Significant Impact.	No. The passage of time will not create any new impacts. No	No. The additional pipelines were environmentally	No. The project footprint remains the same.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
		known historic, archaeological, or paleontological resources exist on site.	evaluated in the Phase 2 IS/MND.		

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts to cultural resources with mitigation. The new/replacement pipelines will not significantly increase the severity of impacts to cultural resources, as there were no protected cultural resources discovered during surveys for any of the proposed pipeline areas in the City.

Although the Study recommended no further evaluation, certain mitigation measures were included in the event that undiscovered buried resources are uncovered during construction activities. In addition, for potential human remains, California Health and Safety Code Section 7050.5 remains applicable.

FINAL IS/MND MITIGATION MEASURES

CUL – 1 (Protection of undiscovered buried resources).

CONCLUSION

The conclusions from the IS/MND remain unchanged.

VI. GEOLOGY AND SOILS

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:					
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	Less Than Significant Impact.	No. The project would not be exposed to fault rupture.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not be exposed to fault rupture.	None.
ii. Strong seismic ground shaking?	Less Than Significant Impact.	No. The project would not increase exposure to risks associated with strong seismic ground shaking.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not increase exposure to risks associated with strong seismic ground shaking.	None.
iii. Seismic-related ground failure, including liquefaction?	Less Than Significant Impact.	No. The project would not increase exposure to seismic-related ground	No. The additional pipelines were environmentally	No. The project would not increase exposure to seismic-related ground failure	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
		failure including liquefaction.	evaluated in the Phase 2 IS/MND.	including liquefaction.	
iv. Landslides?	Less Than Significant Impact.	No. The project would not increase exposure to landslides.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not increase exposure to landslides.	None.
b. Result in substantial soil erosion or the loss of topsoil?	Less Than Significant Impact.	No. The project would not result in soil erosion or the loss of topsoil.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in soil erosion or the loss of topsoil.	None.
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	Less Than Significant Impact.	No. The project would not increase exposure to risks associated with unstable geologic units or soils.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not increase exposure to risks associated with unstable geologic units or soils.	None.
d. Be located on expansive soil, as defined in Table 18-1-B of the most recently adopted Uniform Building Code creating substantial risks to life or property?	Less Than Significant Impact.	No. The project would not increase exposure to risks associated with expansive soil.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not increase exposure to risks associated with expansive soil.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	Less Than Significant Impact.	No. The project would not implement septic tanks or alternative wastewater disposal systems.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not implement septic tanks or alternative wastewater disposal systems.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to geology and soils. The new/replacement pipelines will not significantly increase the severity of geological impacts, as there were no significant geological impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant geological impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

VII. GREENHOUSE GAS EMISSIONS

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	Not Analyzed.	No. The project would not generate a significant amount of greenhouse gas emissions.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not generate a significant amount of greenhouse gas emissions.	None.
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Not Analyzed.	No. The project would not conflict with an applicable GHG reduction plan.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not conflict with an applicable GHG reduction plan.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts to greenhouse gas emissions. The new/replacement pipelines will not significantly increase the severity of air quality impacts or result in a significant increase in greenhouse gas emissions.

The estimated annual construction and operational emissions from the original project and the Phase 2 project were calculated using the California Emissions Estimator (CalEEMod), Version 2016.3.1. The CEQA document provided greenhouse gas emission estimates that were so far below any established thresholds, that even adding the new/replacement pipelines would not result in any significant impacts (combined, they are less than 1% of the reporting threshold set by the USEPA). Therefore, there remains a less than significant impact.

The Air District rules and regulations identified in the IS/MND pertaining the original project description also apply to the additional pipelines.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

Any impacts resulting from greenhouse gas emissions remain less than significant.

VIII. HAZARDS AND HAZARDOUS MATERIALS

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	Less Than Significant Impact.	No. The project would not create new or increased impact involving hazardous materials.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not create new or increased impact involving hazardous materials.	None.
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	Less Than Significant with Mitigation	No. The project would not create additional significant hazard to the public or environmental through reasonably foreseeable upset and accident conditions.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not create additional significant hazard to the public or environmental through reasonably foreseeable upset and accident conditions.	MM-Human Health
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	No Impact.	No. There continues to be no school within one-quarter mile of the site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. There continues to be no school within one-quarter mile of the site.	None.
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	No Impact.	No. The project is not designated as a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project is not designated as a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	No Impact.	No. The project site is not within two miles of a public or private airport.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project site is not within two miles of a public or private airport.	None.
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	No Impact.	No. There are no private airstrips in the project vicinity.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. There are no private airstrips in the project vicinity.	None.
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	No Impact.	No. The project would not impair emergency evacuation or response.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not impair emergency evacuation or response.	None.
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands	No Impact.	No. The project site is not located in an areas susceptible to extreme fire hazards or wildland fires.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project site is not located in an areas susceptible to extreme fire hazards or wildland fires.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to hazards and hazardous materials. The new/replacement pipelines will not significantly increase the severity of hazardous impacts, as there were no significant hazardous impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant hazardous impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

IX. HYDROLOGY AND WATER QUALITY

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Violate any water quality standards or waste discharge requirements?	Less than Significant Impact.	No. The project would not violate water quality standards or waste discharge requirements.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not violate water quality standards or waste discharge requirements.	None.
b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	Less than Significant Impact.	No. The project would not substantially deplete groundwater resources or impair groundwater recharge.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not substantially deplete groundwater resources or impair groundwater recharge.	None.
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	Less than Significant Impact.	No. The project would not substantially alter the existing site drainage pattern and it would not alter the course of a stream or river or result in erosion or siltation on or off site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not substantially alter the existing site drainage pattern and it would not alter the course of a stream or river or result in erosion or siltation on or off site.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	Less than Significant Impact.	No. The project would not substantially alter the existing site drainage pattern on the site or area, and it would not alter the course of a stream or river or substantially increase the rate of runoff in a manner that would result in flooding on- or off- site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not substantially alter the existing site drainage pattern on the site or area, and it would not alter the course of a stream or river or substantially increase the rate of runoff in a manner that would result in flooding on- or off- site.	None.
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	No Impact.	No. The project would not increase the rate of runoff in a manner that would result in flooding on- or off- site.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not increase the rate of runoff in a manner that would result in flooding on- or off- site.	None.
f. Otherwise substantially degrade water quality?	Less than Significant Impact.	No. The project would not degrade water quality.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not degrade water quality.	None.
g. Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	No Impact.	No. The project does not include new housing.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project does not include new housing.	None.
h. Place within a 100-year flood hazard area structures which would	No Impact.	No. The project does not include the	No. The additional pipelines were	No. The project does not include the	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
impede or redirect flood flows?		placement of structures.	environmentally evaluated in the Phase 2 IS/MND.	placement of structures.	
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	Less Than Significant Impact.	No. The project will not expose people or structures to a significant risk of loss, injury or death involving flooding as a result of the failure of a levee or dam.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project will not expose people or structures to a significant risk of loss, injury or death involving flooding as a result of the failure of a levee or dam.	None.
j. Inundation by seiche, tsunami, or mudflow?	No Impact.	No. The project is not located within a seiche, tsunami, or mudflow inundation zone.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project is not located within a seiche, tsunami, or mudflow inundation zone.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to hydrology or water quality. The new/replacement pipelines will not significantly increase the severity of impacts to hydrology, as there were no significant hydrology impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant impacts to hydrology.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

X. LAND USE AND PLANNING

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Physically divide an established community?	No Impact.	No. The project would not divide an established community.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not divide an established community.	None.
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the General Plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	No Impact.	No. The project is consistent with the allowable land use.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project is consistent with the allowable land use.	None.
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	No Impact.	No. No habitat conservation or natural community conservation plans have been adopted in the project area.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. No habitat conservation or natural community conservation plans have been adopted in the project area.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to land use. The new/replacement pipelines will not significantly increase the severity of land use impacts, as there were no significant land use

originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant land use impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XI. MINERAL RESOURCES

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	No Impact.	No. The project would not result in the loss of known mineral resources.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in the loss of known mineral resources.	None.
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	No Impact.	No. The project would not result in the loss of known mineral resources.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in the loss of known mineral resources.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to mineral resources. The new/replacement pipelines will not significantly increase the severity of mineral resource impacts, as there were no significant mineral resource impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant mineral resource impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XII. NOISE

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	Less Than Significant Impact.	No. The project would not expose persons to or generate noise levels in excess of standards established by applicable local, regional or national regulations.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not expose persons to or generate noise levels in excess of standards established by applicable local, regional or national regulations.	None.
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	Less Than Significant Impact.	No. The project would not expose persons to excessive groundborne vibration.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not expose persons to excessive groundborne vibration.	None.
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	Less Than Significant Impact.	No. The project would not result in a substantial permanent increase in ambient noise levels.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a substantial permanent increase in ambient noise levels.	None.
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	Less Than Significant Impact.	No. The project would not result in a substantial permanent increase in ambient noise levels.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a substantial permanent increase in ambient noise levels.	None.
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project	No Impact.	No. The project would not be exposed to aviation noise.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not be exposed to aviation noise.	None.

expose people residing or working in the project area to excessive noise levels?					
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	No Impact.	No. The project would not be exposed to aviation noise.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not be exposed to aviation noise.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to noise. The new/replacement pipelines will not significantly increase the severity of noise impacts, as there were no significant noise impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant noise impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XIII. POPULATION AND HOUSING

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	No Impact.	No. The project would not induce substantial growth in the project area.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not induce substantial growth in the project area.	None.
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	No Impact.	No. The project will not displace existing housing.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project will not displace existing housing.	None.
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	No Impact.	No. The project will not displace people.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project will not displace people.	None.

RESPONSES

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to population and housing. The new/replacement pipelines will not significantly increase the severity of population/housing impacts, as there were no significant population/housing impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant population/housing impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XIV. PUBLIC SERVICES

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:					
Fire protection?	No Impact.	No. The project would not result in a need for new or expanded fire protection facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a need for new or expanded fire protection facilities.	None.
Police protection?	No Impact.	No. The project would not result in a need for new or expanded police protection facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a need for new or expanded police protection facilities.	None.
Schools?	No Impact.	No. The project would not result in a need for new or	No. The additional pipelines were environmentally evaluated in the	No. The project would not result in a need for new or	None.

		expanded school facilities.	Phase 2 IS/MND.	expanded school facilities.	
Parks?	No Impact.	No. The project would not result in a need for new or expanded park facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a need for new or expanded park facilities.	None.
Other public facilities?	No Impact.	No. The project would not result in a need for new or expanded other facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a need for new or expanded other facilities.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to public services. The new/replacement pipelines will not significantly increase the severity of public services impacts, as there were no significant public services impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant public services impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XV. RECREATION

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	No Impact.	No. The project would not result in the deterioration of an existing park.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in the deterioration of an existing park.	None.
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	No Impact.	No. The project would not result in a need for new or expanded park facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in a need for new or expanded park facilities.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to recreation. The new/replacement pipelines will not significantly increase the severity of impacts to recreational facilities, as there were no significant impacts to recreational facilities originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant impacts to recreational facilities.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XVI. TRANSPORTATION/TRAFFIC

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	No Impact.	No. The project would not conflict with an applicable plan, ordinance or policy regarding intersections, streets, highways and freeways, pedestrian and bicycle paths, or mass transit.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not conflict with an applicable plan, ordinance or policy regarding intersections, streets, highways and freeways, pedestrian and bicycle paths, or mass transit.	None.
b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	No Impact.	No. The project would not conflict with an applicable congestion management program.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not conflict with an applicable congestion management program.	None
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in	No Impact.	No. The project would not have the potential to alter air traffic patterns.	No. The additional pipelines were environmentally evaluated in	No. The project would not have the potential to alter air traffic patterns.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
location that result in substantial safety risks?			the Phase 2 IS/MND.		
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	No Impact.	No. The project would not increase hazards due to a design feature.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not increase hazards due to a design feature.	None.
e. Result in inadequate emergency access?	No Impact.	No. The project would not result in inadequate emergency access.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not result in inadequate emergency access.	None.
f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	No Impact.	No. The project would not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities.	None.

DISCUSSION

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have no impacts pertaining to transportation. The new/replacement pipelines will not significantly increase the severity of transportation impacts, as there were no significant transportation

impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant transportation impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XVII. UTILITIES AND SERVICE SYSTEMS

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	Less Than Significant Impact.	No. The project would not exceed wastewater treatment requirements.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not exceed wastewater treatment requirements.	None.
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	Less Than Significant Impact.	No. Impacts resulting from the expansion of the wastewater treatment facilities have been adequately analyzed.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. Impacts resulting from the expansion of the wastewater treatment facilities have been adequately analyzed.	None.
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	Less Than Significant Impact.	No. The project would not require or result in the construction of new storm water drainage facilities or expansion of existing facilities.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not require or result in the construction of new storm water drainage facilities or expansion of existing facilities.	None.
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	No Impact.	No. The project would be served by adequate water supplies.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not exceed wastewater treatment requirements.	None.
e. Result in a determination by the wastewater treatment	No Impact.	No. There is adequate wastewater	No. The additional pipelines were	No. The project would not require the	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?		treatment capacity to serve the project.	environmentally evaluated in the Phase 2 IS/MND.	construction of new water or wastewater facilities.	
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	Less Than Significant Impact.	No. The project would be served by a landfill with sufficient capacity.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not require or result in the construction of new storm water drainage facilities or expansion of existing facilities.	None.
g. Comply with federal, state, and local statutes and regulations related to solid waste?	No Impact.	No. The project would comply with applicable statutes and regulations related to solid waste.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would comply with applicable statutes and regulations related to solid waste.	None.

RESPONSES

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to utilities. The new/replacement pipelines will not significantly increase the severity of impacts to utilities, as there were no significant impacts to utilities originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant impacts to utilities.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.

XVIII. MANDATORY FINDINGS OF SIGNIFICANCE

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
<i>Would the project:</i>					
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	No Impact.	No. The project would not degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory.	None.
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are	No Impact.	No. The project would not have cumulatively considerable impacts.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not have cumulatively considerable impacts.	None.

Environmental Issue Area	Adopted IS/MND Conclusion	Do Proposed Changes Involve New Impacts?	New Circumstances Involving New Impacts?	New Information Requiring Analysis or Verification?	Adopted IS/MND Mitigation Measures
considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?					
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	No Impact.	No. The project would not have cumulatively considerable impact.	No. The additional pipelines were environmentally evaluated in the Phase 2 IS/MND.	No. The project would not have cumulatively considerable impact.	None.

RESPONSES

The 2018 *San Joaquin Phase 2 Water System Improvement Project* IS/MND determined that the proposed Project would have less than significant impacts pertaining to mandatory findings of significance. The new/replacement pipelines will not significantly increase the severity of mandatory finding impacts, as there were no significant mandatory finding impacts originally identified within the proposed pipeline areas of the City, and the proposed additional pipelines do not themselves result in any significant impacts.

FINAL IS/MND MITIGATION MEASURES

None.

CONCLUSION

The conclusions from the IS/MND remain unchanged.