

INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION
10-ND-02

CITY OF LODI WESTSIDE SUBSTATION

State Clearing House Number:

APRIL 1, 2010

Prepared by:
City of Lodi
Community Development Department
City Hall, 221 West Pine Street
P.O. Box 3006
Lodi, CA 95241-1910

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INTRODUCTION TO INITIAL STUDY

The City of Lodi Electric Utility Department is proposing to construct a substation on approximately four acres owned by the City at the southwest corner of Kettleman Lane (Hwy. 12) and Westgate Drive. The substation facility will provide load serving capacity to planned development projects and to reduce existing electrical loads from the Henning Substation. Westside Substation will be required for continued reliable electric service to new and existing customers.

PURPOSE OF INITIAL STUDY

The California Environmental Quality Act (CEQA) requires that public agencies document and consider the potential environmental effects of any agency actions that meet CEQA's definition of a "project;" briefly summarized, a "project" is an action that has the potential to result in direct or indirect physical changes in the environment. A project includes the agency's direct activities as well as activities that involve public agency approvals or funding. Guidelines for an agency's implementation of CEQA are found in the "CEQA Guidelines" (Title 14, Chapter 3 of the California Code of Regulations).

Provided that a project is not found to be exempt from CEQA, the first step in the agency's evaluation of the potential environmental effects of the project is the preparation of an Initial Study. The purpose of an Initial Study is to determine whether the project would involve "significant" environmental effects as defined by CEQA and to describe feasible mitigation measures that would be necessary to avoid the significant effects or reduce them to a less than significant level. In the event that the Initial Study does not identify significant effects, or identifies mitigation measures that would reduce all of the significant effects of the project to a less than significant level, the agency may prepare a Negative Declaration. If this is not the case, the agency must prepare an Environmental Impact Report (EIR); the agency may also decide to proceed directly with the preparation of an EIR without preparation of an Initial Study. Construction completion of a new well requires the preparation and adoption of an Initial Study/Negative Declaration. Negative Declaration 10-ND-02 was prepared and circulated for review on this project and no significant environmental impacts will result from the proposed project.

NOTICE OF AVAILABILITY

Notice is hereby given that the City of Lodi, Community Development Department, has completed an initial study and proposed a Mitigated Negative Declaration pursuant to the California Environmental Quality Act for the project described below.

The initial study prepared by the City was undertaken for the purpose of determining whether the project may have a significant effect on the environment. On the basis of the initial study, Community Development Department staff has concluded that the project will not have a significant effect on the environment, and therefore has prepared a proposed Mitigated Negative Declaration 08-01. The initial study reflects the independent judgment of the City.

File Number: 10-ND-02

Project Title: City of Lodi Westside Substation

PROJECT DESCRIPTION: The City of Lodi Electric Utility Department (EUD) is planning to construct a fifth substation at the western area of the City limits. The working name for this planned facility is the Westside Substation. The substation facility will provide load serving capacity to planned development projects and to reduce existing electrical loads from the Henning Substation. Westside Substation will be required for continued reliable electric service to new and existing customers. It will be constructed on approximately 4-acre site owned by the City located on the south side of Kettleman Lane and approximately 1,100 feet west of Lower Sacramento Road.

The location of the new Westside Substation provides a strategic site for power system interconnection within the City of Lodi boundaries. The existing 60kV loop will be split into two lines and will terminate in the substation. One line that will be extended along Kettleman Lane will be called 60kV Henning-Westside Line. The other line that will be routed through Taylor Road and Westgate Drive will be called 60kV McLane-Westside Line. The other planned 60kV line from the Industrial Substation traversing via Harney Lane through Lower Sacramento Road will also terminate in the substation and will be designated 60kV Industrial-Westside Line. A double-circuit, 60kV line which is presently under environmental impact assessment by InSite Environmental, Inc. and emanating from the west will also connect to Westside Substation.

The new Westside Substation will be 60kV/12kV station, unmanned, outdoor-open type, low-profile, and will be constructed approximately two (2) feet below existing grade. The substation will consist of:

- Five bays of take-off steel structures to terminate the incoming 60kV lines from Henning, McLane, Industrial and the double-circuit from the west including four steel towers set inside the facility;
- Two bays of take-off structures for the 60kV feeders providing power to two 60kV/12kV power transformers including metering devices, instruments and fuses;
- 60kV bus arranged in a double bus-double breaker bus configuration complete with the required number of power circuit breakers, disconnect switches, instrument transformers, surge arresters, structures, insulators, aluminum bus, and appurtenances;
- Two completely assembled 60kV/12kV power transformers including all monitoring devices, surge arresters, nitrogen systems, control panels, bushings, instrument transformers, oil containment structure and other accessories;
- 12kV bus arranged in a main and transfer bus configuration complete with the required number of power circuit breakers, disconnect switches, instrument transformers, surge arresters, structures, insulators, aluminum bus, and appurtenances;
- Two station service transformers with fuses, cables, conduits and other materials and supplies;

- Eight 12kV distribution feeders complete with conduits, cables, terminators, surge arresters, disconnect switches and other materials and supplies;
- Vaults, covers, ducts and other underground and equipment, materials and supplies;
- One 70'x30' and 10-foot high pre-fabricated control building complete with fire alarm systems, switchboard, remote terminal unit, fiber optic interface, battery room, rest room, communication room, storage space, office and plans, documents and manuals area;
- A 10-foot high perimeter block wall with landscaping, security camera and alarm systems, double-swing iron gate, access driveway, man-gate, drainage system, water & sewer system, gravel-finish and black-top finish areas inside the facility and internal paved driveway around the switchyard to access power equipment for maintenance, additional installation and/or replacement;
- Internal chain-link fence separating the water facility installation from the electrical switchyard area;
- Adequately designed ground grid systems in accordance with IEEE Standard 80.

Above description is the complete build-out of the entire Westside Substation facility. Exhibits 1 and 2 shows the Substation Layout and the Substation Isometric View respectively.

PUBLIC REVIEW PERIOD: The City will receive comment on the Initial Study and proposed Mitigated Negative Declaration for a 30-day period, commencing on **Thursday, April 1, 2010** through **Friday, April 30, 2010**. Copies of the Initial Study and the proposed Mitigated Negative Declaration are on file and available for review at the following locations:

- **Community Development Department**, 221 West Pine Street, Lodi, CA 95240
- **Lodi Public Library**, 201 West Locust Street, Lodi, CA 95240
- **Electric Utility Department**, 1331 South Ham Lane., Lodi, CA 95242

The Mitigated Negative Declaration is also available for review on the internet at the following web address: www.lodi.gov/com_dev/EIRS.html.

Any person wishing to comment on the Initial Study and proposed Negative Declaration must submit such comments in writing **no later than 5:00 PM on Monday, April 30, 2010** to the City of Lodi at the following address:

Community Development Director
 City of Lodi
 P. O. Box 3006
 Lodi, CA 95241

The City will provide additional public notices when the public hearings have been scheduled to consider approval of the Negative Declaration.

 Signature

 Date

Konradt Bartlam
 Printed Name

 For

PROPOSED MITIGATED NEGATIVE DECLARATION

Prepared pursuant to City of Lodi Environmental Guidelines, §§ 1.7 (c), 5.5

File Number: 10-ND-02

Project Title: City of Lodi Westside Substation

Project Description:

The City of Lodi Electric Utility Department (EUD) is planning to construct a fifth substation at the western area of the City limits. The working name for this planned facility is the Westside Substation. The substation facility will provide load serving capacity to planned development projects and to reduce existing electrical loads from the Henning Substation. Westside Substation will be required for continued reliable electric service to new and existing customers. It will be constructed on approximately 4-acre site owned by the City located on the south side of Kettleman Lane and approximately 1,100 feet west of Lower Sacramento Road.

The location of the new Westside Substation provides a strategic site for power system interconnection within the City of Lodi boundaries. The existing 60kV loop will be split into two lines and will terminate in the substation. One line that will be extended along Kettleman Lane will be called 60kV Henning-Westside Line. The other line that will be routed through Taylor Road and Westgate Drive will be called 60kV McLane-Westside Line. The other planned 60kV line from the Industrial Substation traversing via Harney Lane through Lower Sacramento Road will also terminate in the substation and will be designated 60kV Industrial-Westside Line. A double-circuit, 60kV line which is presently under environmental impact assessment by InSite Environmental, Inc. and emanating from the west will also connect to Westside Substation.

The new Westside Substation will be 60kV/12kV station, unmanned, outdoor-open type, low-profile, and will be constructed approximately two (2) feet below existing grade. The substation will consist of:

- Five bays of take-off steel structures to terminate the incoming 60kV lines from Henning, McLane, Industrial and the double-circuit from the west including four steel towers set inside the facility;
- Two bays of take-off structures for the 60kV feeders providing power to two 60kV/12kV power transformers including metering devices, instruments and fuses;
- 60kV bus arranged in a double bus-double breaker bus configuration complete with the required number of power circuit breakers, disconnect switches, instrument transformers, surge arresters, structures, insulators, aluminum bus, and appurtenances;
- Two completely assembled 60kV/12kV power transformers including all monitoring devices, surge arresters, nitrogen systems, control panels, bushings, instrument transformers, oil containment structure and other accessories;
- 12kV bus arranged in a main and transfer bus configuration complete with the required number of power circuit breakers, disconnect switches, instrument transformers, surge arresters, structures, insulators, aluminum bus, and appurtenances;
- Two station service transformers with fuses, cables, conduits and other materials and supplies;
- Eight 12kV distribution feeders complete with conduits, cables, terminators, surge arresters, disconnect switches and other materials and supplies;
- Vaults, covers, ducts and other underground and equipment, materials and supplies;
- One 70'x30' and 10-foot high pre-fabricated control building complete with fire alarm systems, switchboard, remote terminal unit, fiber optic interface, battery room, rest room, communication room, storage space, office and plans, documents and manuals area;
- A 10-foot high perimeter block wall with landscaping, security camera and alarm systems, double-swing iron gate, access driveway, man-gate, drainage system, water & sewer system, gravel-finish and black-top

finish areas inside the facility and internal paved driveway around the switchyard to access power equipment for maintenance, additional installation and/or replacement;

- Internal chain-link fence separating the water facility installation from the electrical switchyard area;
- Adequately designed ground grid systems in accordance with IEEE Standard 80.

Project Location:

The project site is located in the City of Lodi, County of San Joaquin. The project site is at Por. W. ½ Sec 15 T.3N, R.6E, M.D.B.&M. The project site is zoned PUB-Public and has a General Plan designation DBP-, Drainage Basin Park.

Name of Project Proponent/Applicant:

City of Lodi Electric Utility Department
1331 S. Ham Lane
Lodi, CA 95240

A copy of the Initial Study (“Environmental Information Form” and “Environment Checklist”) documenting the reasons to support the adoption of a Mitigated Negative Declaration is available at the City of Lodi Community Development Department located at 221 West Pine Street, Lodi, CA 95240 and City of Lodi website at www.lodi.gov.

Mitigation measures are are not included in the project to avoid potentially significant effects on the environment.

The public review on the proposed Mitigated Negative Declaration will commence on **Thursday, April 1, 2010** and end **Friday, April 30, 2010**.

The City will provide additional public notices when the public hearings have been scheduled to consider approval of the Negative Declaration.

Signature

Date

Konradt Bartlam
Printed Name

For

- Project Title:**
City of Lodi Westside Substation

2. Lead Agency Name and Address:

City of Lodi Community Development Department
221 West Pine Street
P. O. Box 3006
Lodi, CA 95241

3. Contact Person and Phone Number:

Konradt Bartlam, Community Development Director
Phone: (209) 333-6711

4. Project Location:

The project site is located in the City of Lodi, County of San Joaquin. The project site is within the City's 4.10-acre land ear marked for the project. The substation will share the site with City Water Well #28. The project site is east and north of a residential subdivision, west of a proposed commercial development and south of existing vineyards. The area is relatively flat with no unusual or extraordinary topographic features. The project site is located in the City of Lodi, County of San Joaquin. The project site is at Por. W. ½ Sec 15 T.3N, R.6E, M.D.B.&M. The project site is zoned PUB-Public and has a General Plan designation DBP-, Drainage Basin Park. (38.114284,-121.314254)

5. Project Sponsor's Name and Address:

City of Lodi Electric Utility Department
1331 S. Ham Lane
P. O. Box 3006
Lodi, CA 95241

6. General Plan Designation:

PQP, Public Quasi/Public

7. Zoning:

PUB, Public.

8. Project Description:

The City of Lodi Electric Utility Department (EUD) is planning to construct a fifth substation at the western area of the City limits. The working name for this planned facility is the Westside Substation. The substation facility will provide load serving capacity to planned development projects and to reduce existing electrical loads from the Henning Substation. Westside Substation will be required for continued reliable electric service to new and existing customers. It will be constructed on approximately 4-acre site owned by the City located on the south side of Kettleman Lane and approximately 1,100 feet west of Lower Sacramento Road.

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The new Westside Substation will be 60kV/12kV station, unmanned, outdoor-open type, low-profile, and will be constructed approximately two (2) feet below existing grade. The substation will consist of:

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- A 10-foot high perimeter block wall with landscaping, security camera and alarm systems, double-swing iron gate, access driveway, man-gate, drainage system, water & sewer system, gravel-finish and black-top finish areas inside the facility and internal paved driveway around the switchyard to access power equipment for maintenance, additional installation and/or replacement;
- Internal chain-link fence separating the water facility installation from the electrical switchyard area;
- Adequately designed ground grid systems in accordance with IEEE Standard 80.

9. Surrounding Land Uses and Setting:

- North:** AU-20, Urban Reserve, San Joaquin County. The area north of Kettleman Lane (State Route 12) is generally zoned for Urban Development has a General Plan Designation of PR, Planned Residential.
- South:** The area immediate south of the project site is zoned PD, Planned Development and was recently annexed into the City with General Plan designation of PR, Planned Residential.
- East:** The area immediate east of the project area is zoned C-S, Commercial Shopping and is expected to be developed into commercial use varying in sizes and types.
- West:** The area immediate west of the project site is zoned PD, Planned Development and was recently annexed into the City with General Plan designation of PR, Planned Residential.

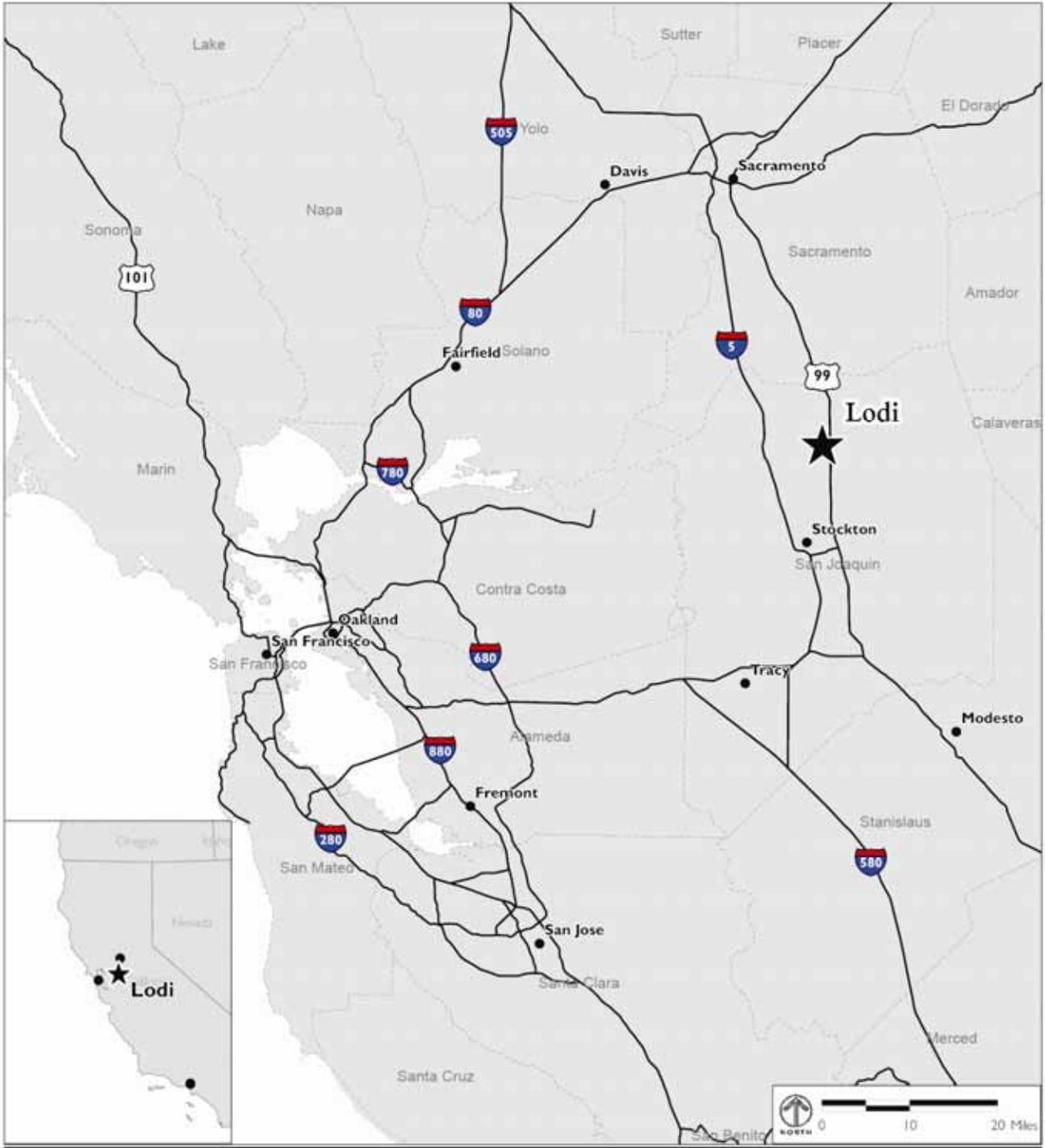
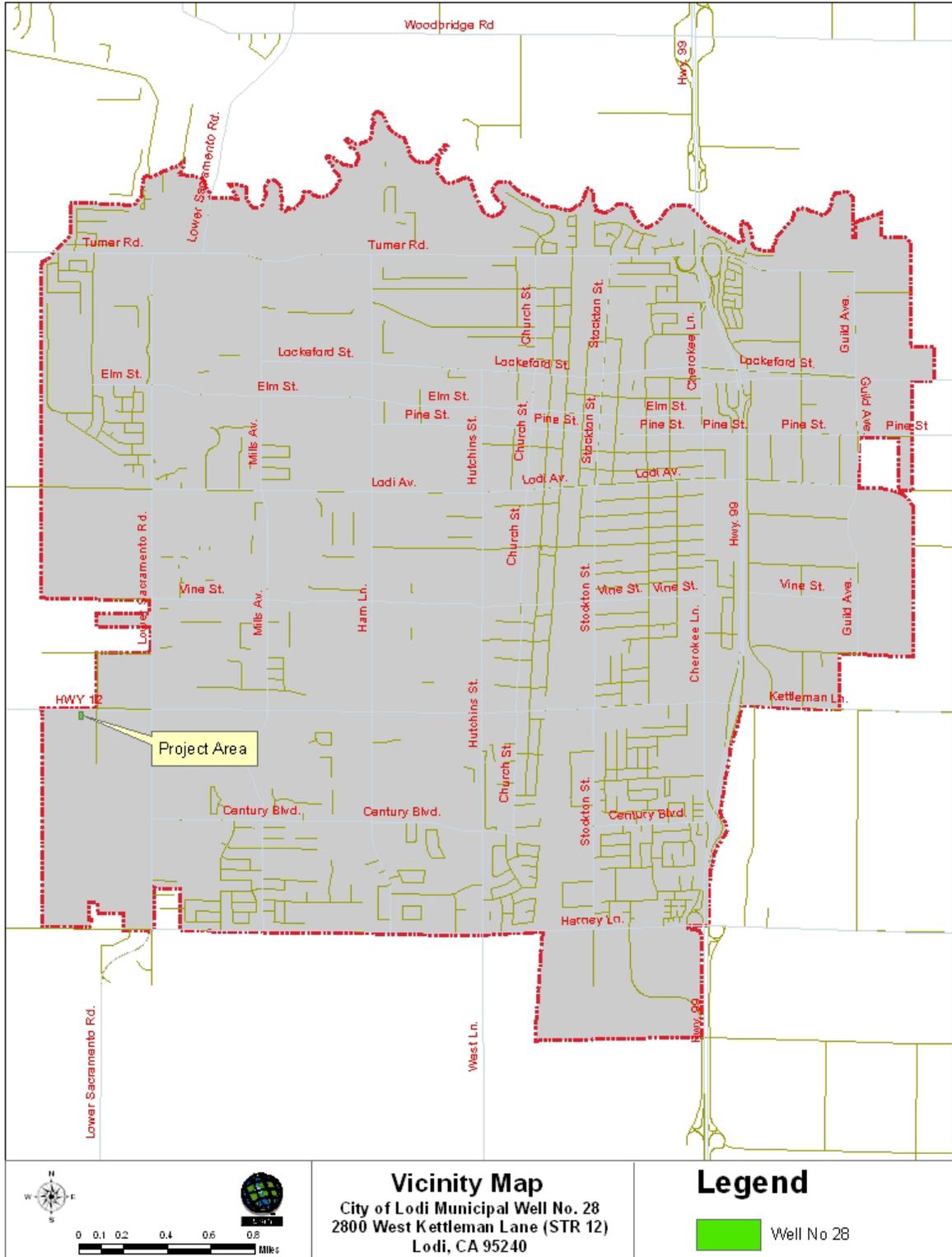
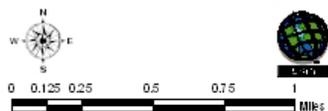
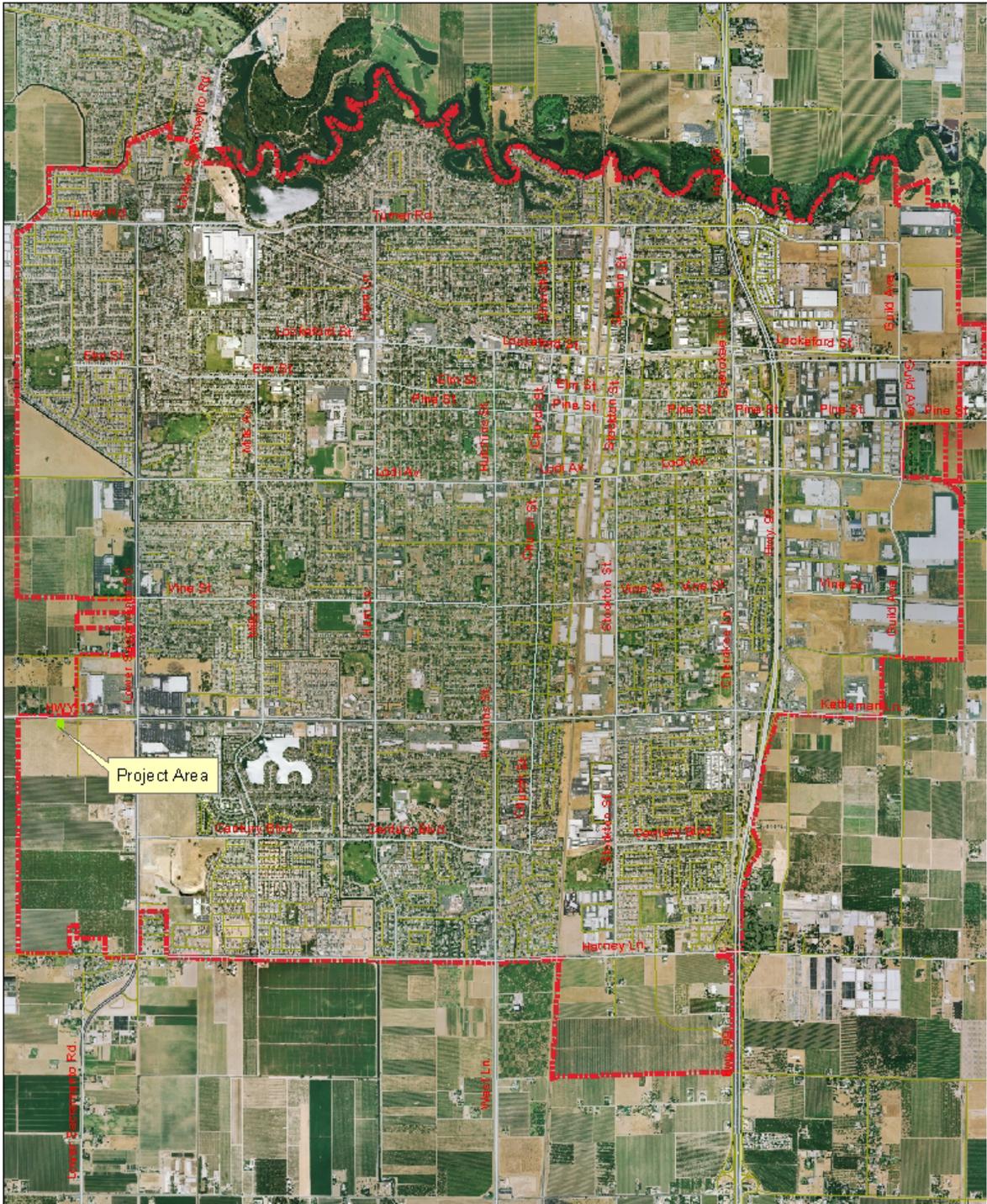


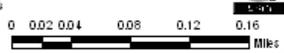
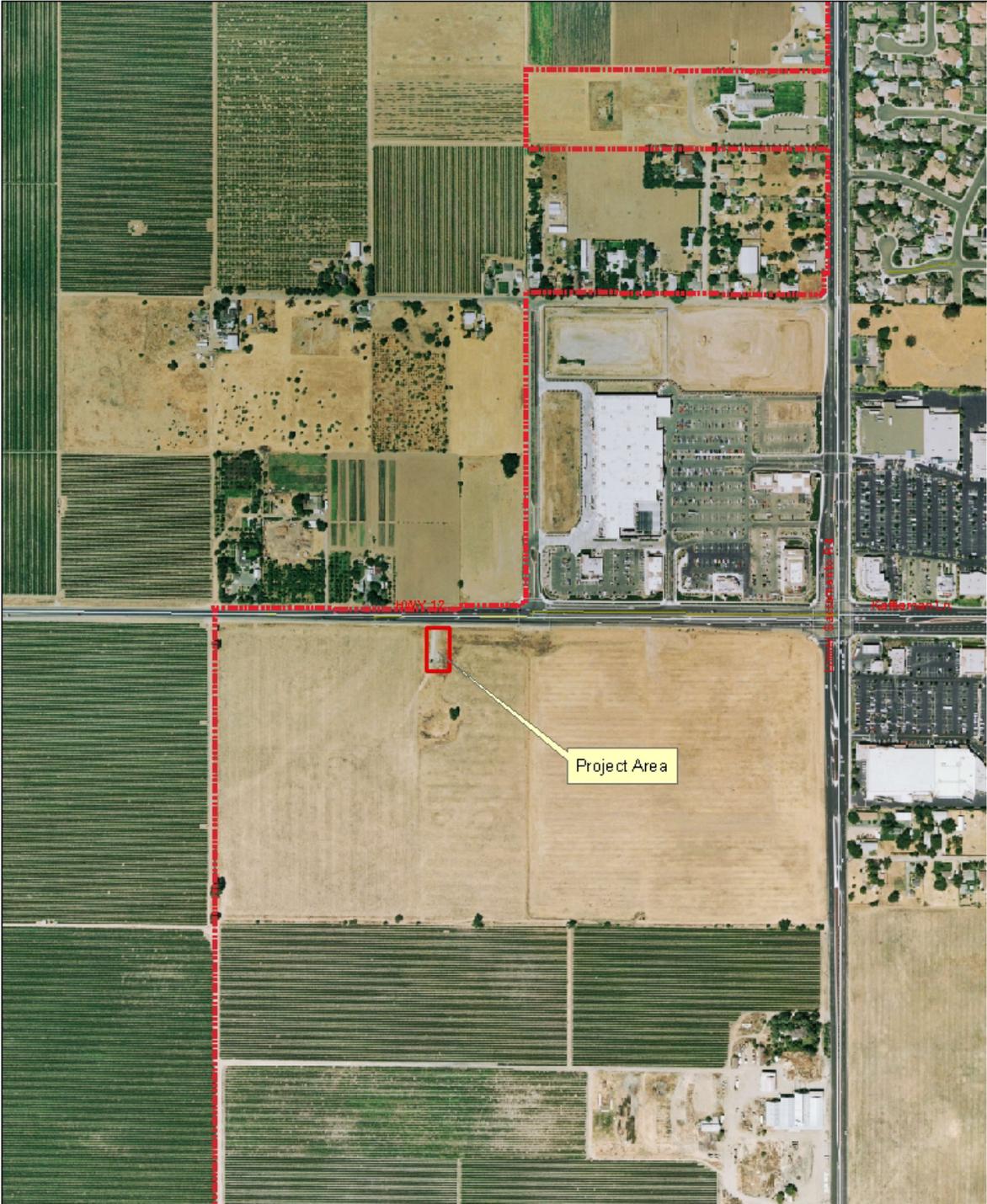
FIGURE I-1
 REGIONAL LOCATION MAP, CITY OF LODI





City of Lodi Aerial Map
 City of Lodi Municipal Well No. 28
 2800 West Kettleman Lane (STR 12)
 Lodi, CA 95240

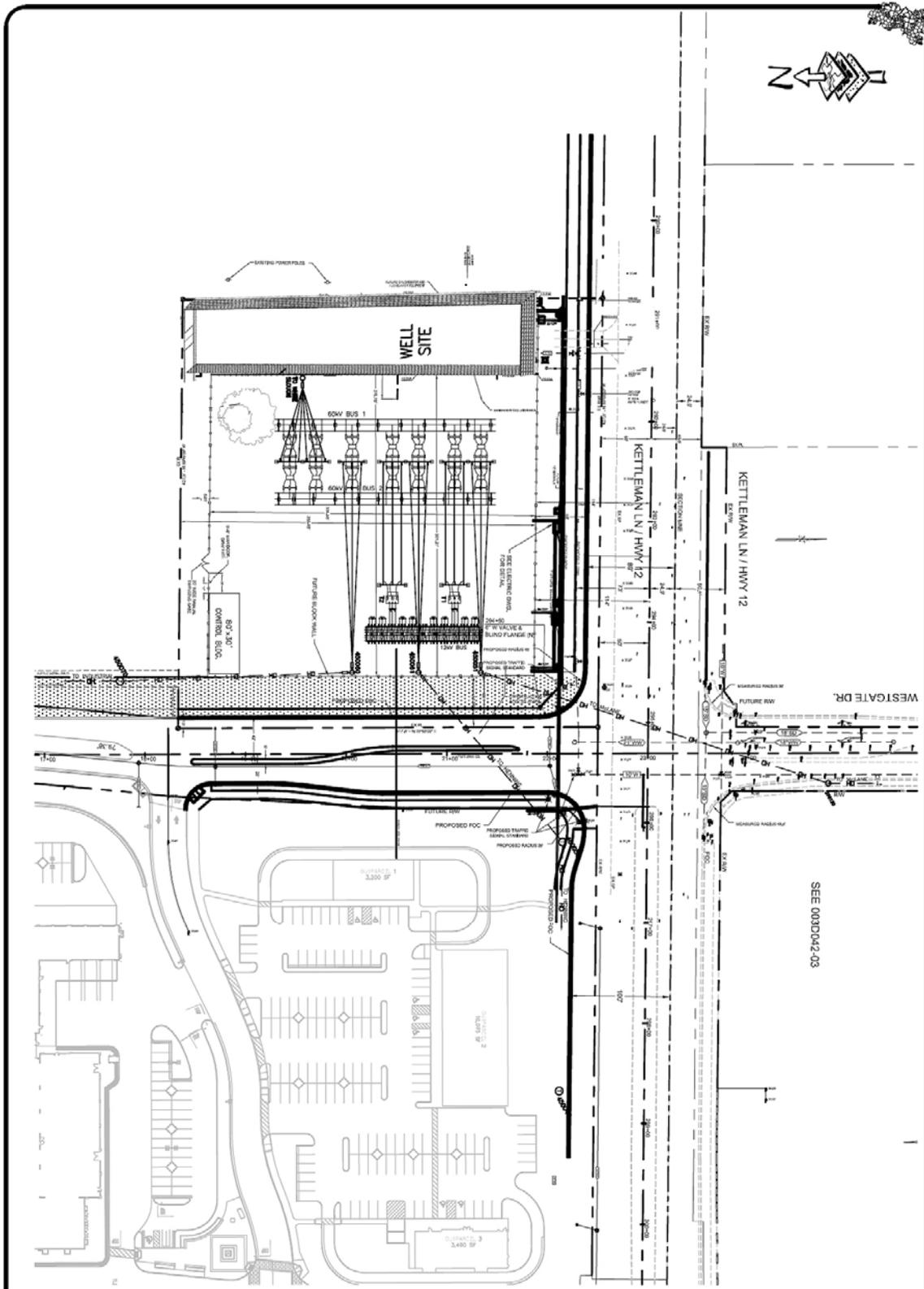
Legend
 Well No 28
 City Limits



Project Site Aerial Map
City of Lodi Municipal Well No. 28
2800 West Kettleman Lane (STR 12)
Lodi, CA 95240

Legend

-  Well No 28
-  City Limits



<p>CITY OF LODI PUBLIC WORKS DEPARTMENT 220 WEST FINE STREET LODI, CALIFORNIA 93240 PHONE (209) 334-7476 FAX (209) 337-4773 E-MAIL: pw@cityoflodi.com WEB SITE: www.lodi.gov</p>			<p>1" = 40'</p>	<table border="1"> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISION	DATE	BY					<table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>				
NO.	REVISION	DATE	BY														

Environmental Factors Potentially Affected:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact” as indicated by the checklist on the following pages.

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Aesthetics | <input type="checkbox"/> Agricultural Resources | <input checked="" type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Recreation | <input type="checkbox"/> Population/Housing |
| <input type="checkbox"/> Public Services | <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Greenhouse Gas Emissions | |

Determination

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Project Planner

Date

Community Development Director

Date

1. AESTHETICS: Would the project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) *Have a substantial adverse effect on a scenic vista?*

The project site is within an area slated for commercial and residential development. The adjacent areas of the project site itself are not considered a scenic vista nor are there any scenic highways in the vicinity of the site. No impact is anticipated from constructing the substation at this location.

b) *Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?*

The project site is not near a State scenic highway. The substation will not have a demonstrable adverse aesthetic effect due to the combination of the decorative sound wall and landscaping that will be placed around the perimeter of the site. Further, the entire substation site will be lower than existing grade in order to fully screen the equipment. No impact is anticipated from constructing the substation at this location.

c) *Substantially degrade the existing visual character or quality of the site and its surroundings?*

The project site is within an open area slated for commercial and residential development. The adjacent area is currently open space and none are considered scenic. The electrical equipment will be low profile transformers and circuit breakers. The setback areas will be landscaped with trees, shrubs and groundcover.

d) *Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?*

The substation will be lit. Lighting will be similar to existing substations located elsewhere in the City. The lights will be required to not spill onto adjacent properties in order to minimize nighttime light and glare.

With the proposed mitigation measures, the construction of the new substation will have less than significant impact on aesthetics.

MITIGATION MEASURES

The project shall be screened by a minimum ten foot high decorative masonry wall. Further, setback areas adjacent to Kettleman Lane and Westgate Drive shall be landscaped with a combination of trees, shrubs and groundcover. Landscape and irrigation plans shall be submitted to the Community Development Director for review and approval.

FINDINGS

With the proposed mitigation measures, the construction of the new substation will have less than significant impact on aesthetics.

2. AGRICULTURAL RESOURCES: would the project	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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 a non-agricultural use?*
 The project site is not zoned for agricultural purposes. The project area is zoned PUB, Public. Therefore, no impact would occur.

b) *Conflict with existing zoning for agricultural use, or a Williamson Act contract?*
 The substation site is on already disturbed land and would not impact Prime Farmlands or lands designated under the Williamson Act. The site is not zoned for agricultural production and would not affect agricultural operations. Therefore, the proposed project would not affect agricultural resources. No impact would result.

c) *Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use?*
 The project site is not zoned for agricultural purposes, and the proposed project would not involve changes that could result in the conversion of farmland to a non-agricultural use. No impact would result.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

The project would not result in adverse impacts to agricultural resources.

	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
3. AIR QUALITY : would the project				
(a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Conflict with or obstruct implementation of the applicable air quality plan?*

The project site is within the jurisdiction of the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD), which regulates air quality in the San Joaquin Valley. The SJVUAPCD has prepared and implements specific plans to meet the applicable laws, regulations and programs, including the 1991 Air Quality Attainment Plan (AQAP). In addition, the SJVUAPCD has developed the Guide for Assessing and Mitigating Air Quality Impacts (Guide) to help lead agencies in the evaluating the significance of air quality impacts.

In formulating its compliance strategies, the SJVUAPCD relies on planned land uses established by local general plans. When a project proposes to change planned uses assumed in an adopted plan by requesting a General Plan Amendment, as this project does, the project may depart from the assumption used to formulate the plans of the SJVUAPCD in such way that cumulative results of incremental change may hamper or prevent the SJVUAPCD from achieving its goals. Land use patterns influence transportation needs, and motor vehicles are the primary source of air pollution. As stated in the Guide, projects proposed in jurisdictions with general plans that are consistent with the SJVUAPCD's AQAP and projects that conform to those general plans would not create significant cumulative air quality impacts. The proposed project conforms to the City and County General Plans and would not conflict with the applicable clean air plan. No impacts would occur.

b) *Violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

The project site is within the within the jurisdiction of the SJVUAPCD, which regulates air quality in the San Joaquin Valley. According to the district's **Guide for Assessing and Mitigating Air Quality Impacts**¹ projects proposed in jurisdiction with general plans that are

¹ San Joaquin Valley Air Pollution Control District, Guide for Assessing and Mitigating Air Quality Impacts. (Fresno, CA 2002) 38.

consistent with the SJVUAPCD's Air Quality Attainment Plan (AQAP) and projects that conform to those general plans would not create significant cumulative air quality impacts.

Further, The EPA designated the entire San Joaquin Valley as non-attainment for two pollutants: ozone and particle matter. On April 24, 2004, the EPA reclassified the San Joaquin Valley ozone non-attainment area from its previous severe status to "extreme" at the request of the San Joaquin Air Pollution Control District Board. On December 17, 2004, EPA took action to designate attainment and non-attainment areas under the more protective national air quality standards for fine particles or PM2.5.

Levels of PM10 in the San Joaquin Valley currently exceed California Clean Air Act standards; therefore, the area is considered a non-attainment area for this pollutant relative to the State standards. PM10 levels monitored at the Stockton-Hazelton Street ambient air quality monitoring station, the closest monitoring station with PM10 data, exceeded the State's standard at three times per year in 2003 and 2004. The standard was exceeded ten times in 2002. No exceedances of the State or federal CO standards have been recorded at any of the region's monitoring stations in the last three years. The San Joaquin Valley is currently considered a maintenance area for State and federal CO standards.

The District adopted an Ozone Attainment Demonstration Plan (2004) and a PM10 Attainment Demonstration Plan (2003). In addition, to meet California Clean Air Act requirements, the District adopted the California Clean Air Act Triennial Progress Report and Plan Revision 1997-1999, adopted in 2001 to address the California ozone standard. A broad range of actions to improve air quality are set forth in the adopted plans to reduce CO, O3 precursor emissions, and particulate matter. Generally, the State standards for these pollutants are more stringent than the national standards. Each district plan is to achieve a 5 percent annual reduction average 3 consecutive 3-year periods, in district-wide emissions of each non-attainment pollutant or its precursors. Air quality standards are exceeded primarily during meteorological conditions conducive to high pollution levels, such as cold, windless winter nights or hot, sunny summer afternoons.

The SJVUAPCD significance threshold for construction dust impacts is based on the appropriateness of construction dust controls. The SJVUAPCD regulates construction emissions through its Regulation VIII. Regulation VIII does not require any formal dust control plans or permits, but violations of the requirements of Regulation VIII are subject to enforcement action. The provisions of Regulation VIII pertaining to construction activities require:

- Effective dust suppression for land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill and demolition activities.
- Effective stabilization of all disturbed areas of a construction site, including storage piles, not used for seven or more days.
- Control of fugitive dust from on-site unpaved roads and off-site unpaved access roads.

- Removal of accumulations of mud or dirt at the end of the work day or once every 24 hours from public paved roads, shoulders and access ways adjacent to the site.

Construction activities would temporarily affect local air quality, causing a temporary increase in particulate dust and other pollutants, however this impact is less-than-significant.

- 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)?*

See discussion under Check List Item III.a. and III.b. above. For any project that does not individually have operational air quality impacts, the determination of a significant cumulative impact should be based on the evaluation of the project's consistency with the general plan and the general plan with regional air quality plan. The proposed project is consistent with the City and County General Plans, and there would be a less-than-significant cumulative air quality impact.

- d) *Expose sensitive receptors to substantial pollutant concentrations?*

The SJVUAPCD defines sensitive receptors as facilities that house or attract children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Hospitals, schools, convalescent facilities, and residential areas are examples of sensitive receptors. The water well or its operation will not be detrimental to those defined as sensitive receptors. Less than significant impact is anticipated.

- e) *Create objectionable odors affecting a substantial number of people?*

No increase in potential odor impacts are anticipated.

MITIGATION MEASURES

The contractor will shall be required to comply with standards developed by the SJVUACD. These requirements include dust control, proper handling and transportation of construction waste, and proper emission control on construction vehicles.

FINDINGS

Implementation of the above mitigation measure would reduce potential impacts to Air Quality Resources to a less-than-significant level.

4. BIOLOGICAL RESOURCES <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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?*

No impact to biological resources are expected as a result of the project. The proposed project is consistent with the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP), as amended, as reflected in the conditions of project approval for this proposal. Pursuant to the Final EIR/EIS for the San Joaquin county Multi-Species Habitat Conservation and Open Space Plan (SJMSCP), dated November 15, 2000, and certified by the San Joaquin Council of Governments on December 7, 2000, implementation of the SJMSCP is expected to reduce impacts to biological resources resulting from the proposed project to a level of less-than-significant. That document is hereby incorporated by reference and is available for review during regular business hours at the San Joaquin Council of Governments (555 East Webber Avenue/Stockton, CA 95202) or online at: www.sjcog.org.

- 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?*

The project area does not contain any riparian habitat or other sensitive natural communities. No impact would result.

- 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?*

The project area does not contain any protected wetlands, vernal pools or waters regulated by Section 404 of the Clean Water Act. No impact would result.

- 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?*

The proposed project is not located within any known wildlife dispersal migration corridors.

- e) *Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?*

There are no locally designated natural communities within or adjacent to the project area, and the proposed project would not result in the removal of any heritage trees. Further, the City of Lodi General Plan (Conservation Element) includes goals and policies intended to protect sensitive native vegetation and wildlife habitats. Goals E, Policy 2 in the General Plan Conservation element refers to the City of Lodi's regulation of "heritage tree" removal.² The proposed project would not result in the removal of any heritage trees. Thus, no impact would result

- 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?*

The SJCMShCP was developed to minimize and mitigate impacts to plant and wildlife resulting from the loss of open space projected to occur in San Joaquin County between 2001 and 2051. The City of Lodi adopted the SJCMShCP in 2001, and projects under the jurisdiction of the City can seek coverage under the plan. The proposed project is consistent with the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP), as amended, as reflected in the conditions of project approval for this proposal. Pursuant to the Final EIR/EIS for the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP), dated November 15, 2000, and certified by the San Joaquin Council of Governments on December 7, 2000, implementation of the SJMSCP is expected to reduce impacts to biological resources resulting from the proposed project to a level of less-than-significant. That document is hereby incorporated by reference and is available for review during regular business hours at the San Joaquin Council of Governments (555 E. Weber Avenue, Stockton, CA 95202) or online at: www.sicoq.org.

² City of Lodi. *City of Lodi General Plan Policy Document*. Prepared by Jones and Stokes Associates, Inc., April 1991. Page 7.4-7.6

MITIGATION MEASURES

The proposed project falls under falls within a natural land habitat Pay Zone C as described in SJMSCP and, therefore, is subject to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) governs loss of open space in the county. The City of Lodi is a participant in the said habitat conservation plan. Pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP), an application for evaluation of the project site with respect to SJMSCP requirements will be submitted to the San Joaquin Council of Governments (SJCOG) 30-days prior to any further clearing, grading or construction activities on the project site. With the implementation of the said plan, less than significant impact is anticipated.

FINDINGS

Implementation of the above mitigation measure would reduce potential impacts to biological resources (i.e. loss of open space) to a less-than-significant level.

5. CULTURAL RESOURCES: <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Cause a substantial adverse change in the significance of a historical resource as defined in '15064.5?*

The adjacent well site has been constructed and no paleontological resources were discovered through the boring activity. Therefore no impacts to paleontological resources will result from constructing the substation project.

b) *Cause a substantial adverse change in the significance of an archaeological resource pursuant to '15064.5?*

No archaeological resources have been identified within the project area, and no impacts are anticipated. However, if during construction any archaeological objects are uncovered, work will be halted until a qualified expert can evaluate the situation and recommend mitigation measures.

c) *Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*

The adjacent well site has been constructed and no paleontological resources or unique geological feature were discovered through the boring activity. Therefore no impacts to paleontological resources will result from constructing the substation project.

d) *Disturb any human remains, including those interred outside of formal cemeteries?*

The adjacent well site has been constructed and no human remains, including interred outside of formal cemeteries were found. Therefore no impacts to paleontological resources will result from constructing the substation project.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Cultural Resource impacts would be less-than-significant.

6. GEOLOGY AND SOILS <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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;

The adjacent well site has been constructed and no faults were found in the project area. Therefore, no impact is anticipated from constructing the substation project.

ii) Strong seismic ground shaking;

The adjacent well site has been constructed and no fault lines were discovered. Therefore, no impact is anticipated from constructing the substation project.

iii) Seismic-related ground failure, including liquefaction;

The adjacent well site has been constructed and the project area is not a liquefaction area. Therefore, no impact is anticipated from constructing the substation project.

iv) Landslides?

The adjacent well site has been constructed and the project site is flat in topography. Therefore, no impact is anticipated from constructing the substation project.

b). Result in substantial soil erosion or the loss of topsoil?

The project anticipates the grading of the site and lowering grade approximately two feet. Therefore, no impact is anticipated from constructing the substation project.

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?

The site is not a geologic unit or of soil that is unstable. Therefore, no impact is anticipated from constructing the substation project.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

The area is not known to have expansive soils. Construction in the area has not uncovered any unusual soils. Therefore, no impact is anticipated from constructing the substation project.

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?

The project will not require wastewater services. Therefore, no impact is anticipated from constructing the substation project.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Geology and Soils impacts would be less-than-significant.

7. HAZARDS AND HAZARDOUS MATERIALS: <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Create a significant hazard to the public or the environment through reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?*

The project will not involve the use or production of any hazardous waste material. There will be transformer oil used for cooling and insulation purposes. The transformer oil is contained within the equipment and will not enter the atmosphere or soil. No impact is anticipated.

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?*

The project will not involve the use or production of any hazardous waste material. There will be transformer oil used for cooling and insulation purposes. The transformer oil is contained within the equipment and will not enter the atmosphere or soil. No impact is anticipated.

- c) *Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?*
 The project will not involve the use or production of any hazardous waste material. There will be transformer oil used for cooling and insulation purposes. The transformer oil is contained within the equipment and will not enter the atmosphere or soil. There are no schools existing or proposed within one-quarter mile. No impact is anticipated.
- 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?*
 The project site is not included on a list of hazardous materials site. No impact is anticipated.
- 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?*
 The project site is not located near an airport, air strip landing, or land designated for a use thereof. No impact is anticipated.
- f) *For a project located within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?*
 The project is not located within the vicinity of a private airstrip. No impact is anticipated.
- g) *Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*
 The proposed project will not interfere with an emergency response plan or emergency evacuation plan.
- 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?*
 The proposed project existing sources of potential health hazards. No impact is anticipated.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Hazards and Hazardous Materials impacts would be less-than-significant.

	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
8. HYDROLOGY AND WATER QUALITY <i>Would the project:</i>				
(a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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 a substantial erosion or siltation on- or off-site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Violate any water quality standards or waste discharge requirements?*

The project will comply with applicable stormwater management requirements for pollution prevention. Construction practices would include erosion control, spill prevention and control, solid and hazardous waste management, and dust control to reduce the discharge of pollutants from construction areas to the stormwater system. No impacts related to potential discharges into stormwater drainage systems or changes in water quality would occur.

- 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)?*

The project will not entail the use of any groundwater. Therefore, no impact is anticipated.

- 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?*

The subject area does not contain a stream or river, nor is it located in proximity to a stream or river. No impact is anticipated.

- 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?*

The subject area does not contain a stream or river, nor is it located in proximity to a stream or river. No impact is anticipated.

- 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?*

The project does not directly or indirectly create or contribute runoff water. No impact is anticipated.

- f) *Otherwise substantially degrade water quality?*

The project will not entail the use of any water. Therefore, no impact is anticipated.

- 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?*

The project site is not located within an area mapped by the Federal Emergency Management Agency (FEMA) and Flood Insurance Rate Maps (FIRM) as a 100-year flood hazard area. Therefore, no impacts would occur as a result of the proposed project.

- h) *Place within a 100-year flood hazard area structures which would impede or redirect flood flows?*

The project will not expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of levee or dam.

- i) *Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding of as a result of the failure of a levee or dam?*

The entire City of Lodi is located within an inundation area. The levee system along the Mokelumne River is of sufficient height to protect the City from the 100-year flood flow; however, the majority of Central Valley would be inundated during the 500-year flood event. The project will not directly or indirectly expose people or structures to risk of loss, injury or death involving flooding.

- j) *Inundation by seiche, tsunami, or mudflow?*

A seiche is the tide-like rise and drop of water in a closed body of water caused by earthquake-induced seismic shaking or strong winds. A tsunami is a series of large waves generated by a

strong offshore earthquake or volcanic eruption. Given the substantial distance of the site from San Francisco Bay or the Pacific Ocean, tsunami waves would not be a threat to the site. There is no large land of water on or within the vicinity of the site, resulting in no seiche hazard. The subject area is flat and does not have any steep slopes or hillsides that would be susceptible to mudflows or landslides. Therefore, no impact would occur.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Hydrology and Water Quality impacts would be less-than-significant.

9. LAND USE AND PLANNING: <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Physically divide an established community?*

The proposed project would not physically divide an established community. The project is within an existing designated site that does not disrupt or divide an established community. No impact is anticipated.

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?*

The project will not have an effect on land use in the area. The general plan designation is PQP, Public/Quasi Public and the zoning is PUB, Public. The site has been designated for this use since annexation of the property into the City limits.

c) *Conflict with any applicable habitat conservation plan or natural community conservation plan?*

The City of Lodi adopted the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJCMSHCP) in 2001. The conservation plan was developed to mitigate impacts to plant and wildlife habitat resulting from the loss of open space. Pursuant to the SJCMSHCP, the proposed site for the substation falls within open space or agricultural preserve land and, is therefore, subject to loss of open space mitigation fee.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Land Use and Planning impacts would be less-than-significant.

10. MINERAL RESOURCES: <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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?*

According to the City’s General Plan, the subject site and surrounding area are not known to contain regionally and/or state valued mineral resources. Therefore, no impact is anticipated.

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?*

The subject property has not been historically used for mineral extraction. In addition, the City’s General Plan does not identify the project site as a locally important mineral resource recovery site. There would be no impact.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Air quality impacts would be less-than-significant.

11. NOISE : Would the project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(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 expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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?*

The project will not expose people to severe noise levels. There will be short term construction related noise from equipment, but not beyond the thresholds set by the Noise Element of the General Plan. Additionally a sound attenuation wall will eventually be incorporated into the design of the pproject site. Therefore, less than significant impact is expected.

b) *Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?*

Ground borne vibrations occur when a vibration source causes soil particles to move or vibrate. Sources of ground borne vibrations include natural events (earthquakes, volcanic eruptions, sea waves, landslides, etc.) and human created events (explosions, operation of heavy machinery and heavy trucks, etc.). The planned 10' high decorative concrete masonry wall around the entire site will lessen any noise exposure from ground borne noise.. Therefore, less than significant impact is expected.

c) *A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?*

The proposed transformers at the facility will generate operational noise. Operation and cooling fans may also emit noticeable noise within the substation enclosure. The proposed perimeter wall will attenuate any noise to acceptable General Plan standards even with all noise emitters running at full capacity. Impacts would be less than significant.

- d) *A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?*

The proposed project will not result in a significant temporary or periodic increase in noise levels and, therefore, would not create a substantial temporary or periodic increase in ambient noise levels in the vicinity of the project site. Impacts would be less than significant.

- 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 expose people residing or working in the project area to excessive noise levels?*

The substation site is not located within an airport land use plan, or within two miles of a public airport or public use airport. No impact would result.

- 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?*

The project site is not located within an airport land use plan, or within two miles of a public airport or public use airport. No impact would result.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Air quality impacts would be less-than-significant.

12. POPULATION AND HOUSING: <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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)?*

The project may induce population growth, but not beyond that planned within the General Plan. The substation is designed to accommodate anticipated growth within this area of the City. No significant impact is anticipated.

b) *Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?*

The project site is within an existing Public Quasi/Public Land which does not permit the construction of residential or commercial property. No residences will be displaced. No impact is anticipated.

c) *Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?*

See discussion under Checklist Item XII.b., above. No impact is anticipated.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Air quality impacts would be less-than-significant.

13. PUBLIC SERVICES: *Would the project:*

	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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(a) Would the project result in substantial adverse physical impacts associated with the provision of or 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:

- | | | | | |
|-----------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| i) Fire Protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii) Police Protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iii) Schools? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iv) Parks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| v) Other public facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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:

I. Fire protection?

The construction of the proposed substation will not impact Fire Services. The project will be constructed pursuant to all applicable standards, thus minimizing potential adverse service calls to the site. Thus the project will not have a negative impact on fire protection service.

II. Police protection?

The substation is not expected to generate any additional police service calls to the area. The construction of the project is seen as accommodating existing residents and the provision for reliable electrical service. Therefore, the project will not adversely impact police protection to the area.

III. Schools?

The substation project is not expected to generate any additional demand for school facilities. School facilities generally measure level of service based on students generated by new development. The construction of the project is seen as accommodating existing and proposed residential development. Therefore, the project will not adversely impact school facilities in the area.

IV. Parks

The substation would not contribute to the demand on existing parks, nor require the dedication of additional parkland as no new residential units are proposed. No impact would result.

V. *Other public facilities?*

While the construction of a new substation will require maintenance, the construction of the project is seen as preventive maintenance for the overall electrical delivery system. No new public facilities are necessary to service the site. Therefore, no impacts associated with maintenance of public facilities are seen as a result of this project.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Public Service impacts would be less-than-significant.

14. RECREATION: <i>Would the project</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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?*

The proposed project will not create additional demand for existing neighborhood or regional parks or other recreational facilities as no new residential units are proposed. No impact would result.

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?*

The proposed substation will not include the construction or expansion of recreational facilities, nor would it require the construction or expansion of recreational facilities. Therefore, no impact would occur.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Recreation impacts would be less-than-significant.

15. TRANSPORTATION/CIRCULATION:

Would the project:

	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Cause an increase in traffic that is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Cause, either individually or cumulatively, exceedance of a level-of-service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d) Substantially increase hazards due to a design feature (e. g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(g) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?*

There will be no impact to the area in regard to traffic impacts because the substation project is not a destination for any reason other than maintenance.

b) *Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency or designated roads or highways?*

Refer to XV.a. The project is not in conflict with any county congestion management program or with designated roads or highways. No impact will occur as result of the creation of an overlay zone.

c) *Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?*

The substation would not have any impact on air traffic patterns because the project site is not located near an airport. No related impacts would occur as a result of the proposed project.

- d) *Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*
There are no roadway features necessary to access this site; it is an existing public property that is readily accessible. No impact is anticipated.
- e) *Result in inadequate emergency access?*
The site has direct access to a public street (Westgate Drive). No impact is anticipated.
- f) *Result in inadequate parking capacity?*
The substation will not result in an inadequate parking capacity since project is not a destination for any reason other than maintenance. No impact is anticipated.
- g) *Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?*
There will be no impact to the area in regard to alternative transportation because the site is not a destination for any reason other than maintenance. No impact is anticipated.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Transportation/Traffic impacts would be less-than-significant.

16. UTILITIES AND SERVICE SYSTEMS: <i>Would the project:</i>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Require or result in the construction of new water or wastewater treatment or collection facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e) Result in a determination by the wastewater treatment 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(f) Be served by a landfill with insufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(g) Comply with federal, state, and local statutes and regulations related to solid wastes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?*

Sewage treatment and collection services in the City of Lodi, including the project area, are provided by the White Slough Pollution Control Facility (WSWPCF) and operated by the City of Lodi Public Works Department. The substation itself will not generate wastewater on its own. Therefore, no impact is anticipated.

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?*

The City of Lodi Public Works Department provides wastewater treatment for the City of Lodi. Wastewater in the City of Lodi is treated at the White Slough Water Pollution Control Facility (WSWPCF). The facility has been expanded to a design capacity of 8.5 million gallons (mgd) per day. However, the facility has permits to operate at 7.0 mgd per day. The WSWPCF currently treats approximately 6.2 mgd per day, which means the facility has a net surplus capacity of 0.8 mgd per day ("permitted" capacity). The facility's design capacity could accommodate an additional 2.3 mgd per day.

The substation will not require additional expansion than already planned by the City. Therefore, no impact is anticipated.

- 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?*

The City of Lodi owns and maintains a variety of storm water facilities, including storm drain lines, pump stations, inlet catch basins, drainage ditches, and retention and detention facilities. City storm water is discharged to the Mokelumne River and the Woodbridge Irrigation Canal.

The substation site will discharge to the storm drain system when it is constructed. Once construction is completed, there will be negligible increase in stormwater which will be accommodated with existing/planned facilities. Therefore, the impact will be less than significant.

- d) *Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?*

The substation project will not require any water resources. Therefore, no impact is anticipated.

- e) *Result in a determination by the wastewater treatment 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?*

Given the substation will not result in additional wastewater flow, no impact is anticipated.

- f) *Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?*

Solid waste management and disposal within the City of Lodi is provided by the Central Valley Waste Services. Solid waste is transported to a Transfer Station and Buy-Back Recycling Center. Waste is then deposited at the North County Landfill, which is owned and operated by San Joaquin County. The North County Landfill is a Class III facility that is permitted to accept 825 tons of solid waste per day. On average, the landfill receives 400 tons per day, and has a remaining lifetime capacity of approximately 6.0 million tons, which would equate to approximately 30 years.

The proposed substation may generate a negligible increase in the amount of solid waste. However, the North County Landfill has sufficient capacity to accommodate the proposed project's solid waste needs. Given the well isn't expected to result in wastewater or solid waste, no impact is anticipated.

- g) *Comply with federal, State, and local statutes and regulations related to solid waste?*

Central Valley Waste Services provides solid waste collection in Lodi. Solid waste is disposed of at existing private landfill facilities. There is no shortage of landfill facilities space. The proposed substation will not conflict with federal, State, and local statutes and regulations related to solid waste. No impacts with this issue are anticipated.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Utilities and Services impacts would be less-than-significant.

17. GREENHOUSE GAS EMISSIONS: Would the project	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) *Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

The project will not directly generate greenhouse gases. There will be indirect emissions as a result of construction related activities such as emissions from equipment exhaust.

b) *Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?*

The substation project does not conflict with any applicable plan, policy or regulation.

MITIGATION MEASURES

No mitigation is required.

FINDINGS

Greenhouse Gas Emissions impacts would be less-than-significant.

18. MANDATORY FINDINGS OF SIGNIFICANCE: Would the project	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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?*

As documented in this Initial Study, the substation will not have impacts on biological and cultural resources. Construction of the well will not result in the loss of open space habitat (row and field crops) and associated wildlife; will not threaten a plant or animal community; will not 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.

The site falls within an agricultural open space area and would result in a loss of agricultural open space. The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) governs loss of open space in the county. The City will have to pay all applicable mitigation fees for the loss of agricultural open space. With the participation in the said program, the loss of open space will be less than significant impact.

MITIGATION MEASURE (BIOLOGICAL RESOURCES)

1. The proposed project falls under falls within a natural land habitat as described in SJMSCP and, therefore, is subject to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) governs loss of open space in the county. The City of Lodi is a participant in the said habitat conservation plan. Pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP), an application for evaluation of the project site with respect to SJMSCP requirements will be submitted to the San Joaquin Council of Governments (SJCOG) 30 days prior to any further clearing, grading or construction

activities on the project site. With the implementation of the said plan, less than significant impact is anticipated.

MITIGATION MEASURE (CULTURAL RESOURCES)

1. Contractors and construction personnel involved in any form of ground disturbance (i.e., trenching, grading, etc.) shall be advised of the possibility of encountering subsurface cultural resources or human remains. If such resources are encountered or suspected, work within 100 feet of the discovery shall be halted immediately and the City of Lodi Planning Department shall be notified. In accordance to CCR Section 15064 (f) and PRC Section 21083.2(i), a qualified professional archaeologist shall be consulted, who shall assess any discoveries and develop appropriate management recommendations for treatment of the resource.

If bone is encountered and appears to be human, California Law requires that potentially destructive construction work is halted and the San Joaquin County Coroner is contacted. If the coroner determines the human remains are of Native American origin, the coroner must contact the Native American Heritage Commission. The Native American Heritage Commission will attempt to identify the most likely descendant(s), and recommendations will be developed for the proper treatment and disposition of the remains in accordance with CCR Section 15064.5(e) and PRC Section 5097.98. A note to this effect shall be included on all construction plans and specifications.

- b) *Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)*

When project impacts are considered along with, or in combination with other past, current, and probable future project impacts, the proposed municipal water well will not add substantially to cumulative effects. Impacts would be less than significant.

- c) *Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?*

Other than the environmental effects reviewed in the above narrative, the well would not involve any other potential adverse effects on human beings, either directly or indirectly.