DIXON
CALIFORNIA

GENERAL PLAN 2040
ENVIRONMENTAL IMPACT REPORT

SCH# 2018112035

PUBLIC REVIEW DRAFT | JULY 8, 2020

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DRAFT NOTICE OF PREPARATION

Program Environmental Impact Report

Dixon General Plan Update

Date November 13, 2018

To Reviewing Agencies, Interested Parties, and Organizations

Subject Notice of Preparation of a Draft Environmental Impact Report for the Dixon General Plan Update and Scheduling of a Scoping Meeting on Tuesday, December 18, 2018

The City of Dixon will be the Lead Agency and will prepare a programmatic Environmental Impact Report (EIR) for the Dixon General Plan Update (the Project). The Project, its location, and potential environmental effects are described below. Pursuant to CEQA Section 15060, the City has determined that an EIR is required for the Project and an Initial Study has not been prepared.

Public agencies and members of the general public are invited to provide comments in writing as to the scope and content of the EIR. Specifically, the City needs to know the views of Responsible and Trustee Agencies as to the potentially significant environmental issues, reasonable alternatives, and mitigation measures that are germane to each agency's statutory responsibilities in connection with the Project. Responsible Agencies will need to use the EIR prepared by the City when considering permit or other approval for the Project.

Due to the time limits mandated by State law, responses must be sent at the earliest possible date, but no later than the close of the NOP review period, which runs as follows: November 13, 2018 through December 20, 2018.

Please send written responses to Dina Tasini at the address shown below. Public agencies providing comments are requested to include a contact person for the agency.

PROJECT TITLE:

Dixon General Plan Update

PROJECT LOCATION AND CONTEXT:

The City of Dixon is located in northeastern Solano County about 65 miles east of San Francisco, 11 miles northeast of Vacaville, 10 miles southwest of Davis, and 23 miles southwest of Sacramento, as shown on Figure 1 (attached). Covering an area of approximately 7.25 square miles, the community is ringed by agricultural land and open space, including over 1,000 protected acres within the Vacaville-Dixon Greenbelt. Regional access is provided by Interstate 80 (I-80), which runs along the western perimeter of the City, as well as State Route 113 (SR 113), a north-south state highway that runs through the center of Dixon and serves as the "Main Street" of the community as it passes through downtown Dixon. The Union Pacific Railroad mainline bisects the city in a southwest-northeast direction, carrying freight and passengers, although trains do not currently stop in Dixon.

Fairfield and Suisun Transit Route 30 provides connections to the Fairfield Transportation Center, downtown Sacramento and points in between.

Dixon is a city of approximately 20,000 residents with a rich agricultural heritage and a distinct small-town feel. The city is home to the Dixon May Fair, the oldest district fair and fairgrounds in the state of California, and the central portion of Dixon boasts numerous historic resources dating back to its past as a 19th Century railroad town, including the 1871 United Methodist Church on West B Street and the Carnegie Library downtown. The community has experienced higher than average residential growth since 2000, and today, it features an existing core of established neighborhoods, surrounded by newer residential subdivisions and clusters of highway-oriented commercial businesses at the freeway interchanges. Major employers, including Altec, Basalite, Campbell Soup Company, Cardinal Health, and First Northern Bank, are generally clustered in the northeastern part of the city. With abundant, affordable land available within the City limit and easy access to the world-class University of California Davis campus, Sacramento, and the Bay Area, Dixon is committed to facilitating employment growth, supporting small business, and increasing opportunities for Dixon residents to work locally.

LEAD AGENCY CONTACT:

Dina Tasini, Director
Community Development Department
City of Dixon
600 East A Street, Dixon, CA 95620
E-mail: dtasini@ci.dixon.ca.us
Phone: 707-678-7000 x1114

PROJECT SPONSOR:

City of Dixon
600 East A Street
Dixon, CA 95620

PROJECT DESCRIPTION:

The Dixon General Plan 1993-2010 was originally adopted in December 1993, replacing the 1987 General Plan. Subsequently, the City made significant revisions to the 1993-2010 General Plan in 2005, when the Air Quality Element was added, and again in 2010, when maps and statistical data were updated and a discussion of seismic and flooding hazards was added. In 2011, Downtown Dixon was designated a Priority Development Area (PDA) to promote transit-oriented development in the vicinity of the newly reconstructed train station and support revitalization of the traditional commercial heart of the community.

The focus of the current update to the Dixon General Plan is to incorporate changes to the policy framework and land use designations intended to guide development and conservation through 2040 and to comply with new State regulations that have come into force since the plan was last updated, including new requirements for addressing geologic hazards, flooding, and wildland and urban fires, and environmental justice. All elements of the Plan will be reviewed to ensure internal consistency and compliance with current regulations and guidance from the State. Additionally, the updated General Plan will include policies and implementing actions designed to catalyze job-

generating development in the Northeast Quadrant Specific Plan Area and to support residential development in the Southwest Dixon Specific Plan Area, locations within the City limit that have previously been the focus of comprehensive long-range planning efforts. The updated General Plan will also reflect the policy direction articulated in the Downtown Dixon Priority Development Area (PDA) Plan, anticipated for adoption by City Council in December of 2018.

The over-arching objectives established for the General Plan Update include:

- Preserving and enhancing Dixon's small-town character;
- Fostering economic development and building a strong, diverse economy with quality jobs for local residents;
- Ensuring a sustainable, measured rate of growth and efficient delivery of public services;
- Promoting high-quality development that respects and complements Dixon's historic context and natural environment;
- Preserving and protecting surrounding agricultural and open space lands; and
- Encouraging careful stewardship of water, energy, and other environmental resources.

Under the updated General Plan, it is anticipated that future growth and development will be focused primarily in the Southwest Specific Plan Area, the Northeast Quadrant, the Downtown Priority Development Area (PDA), and the SR 113 corridor north of downtown. Although no expansion beyond the City's current Sphere of Influence (SOI) is envisioned under the General Plan Update, areas to the north, northeast and south (see Figure 1) where the City could possibly expand in the future will be designated as "Areas of Concern" as part of the current General Plan Update effort in order to facilitate the consideration of annexation at a later date.

Key components of the Update will include:

- Actions to create a new mixed use employment district within the Northeast Quadrant Specific Plan Area, leveraging the proximity of UC Davis and providing research and development facilities, office space, event space, and faculty, staff, and student housing opportunities together with open space and amenities.
- Land use designations and policies designed to foster neighborhood centers in several key locations to serve as focal points of the community, providing goods and services that cater to the daily needs of residents as well as opportunities to gather and socialize within walking and biking distance of home.
- A new Corridor Mixed Use land use designation applicable on SR 113 north of the railway tracks, to strengthen the role of this roadway as a key commercial corridor and build on the nucleus of existing service commercial uses, including businesses in the auto, farm equipment, and boat sales categories.
- Policies to prioritize east-west connectivity and roadway safety improvements, including construction of the following projects:
    - Parkway Overcrossing Project: an extension of Parkway Boulevard from Valley Glen Drive west to Pitt School Road, with a structure traveling over the Union Pacific Railroad tracks.
    - Vaughn Road Realignment Project: a reconfiguration of this 4-lane arterial roadway immediately east of the UPRR tracks so that it curves north to meet Pedrick Road and provide a northbound connection without the need for an at grade crossing of the tracks.

    - A Street Grade Separation Project: a major project for a grade separated vehicle crossing of the railway tracks downtown, identified as a prerequisite for a passenger rail station.
    - A Street "Queue-Cutter" Project: an interim measure involving installation of a signal to hold and release traffic in intervals at the A Street at grade crossing of the railway tracks downtown in order to address eastbound vehicle queuing until grade separation can be completed.
- Policies and programs to promote successful highway-oriented retail uses at Dixon's freeway interchanges and to improve gateways to the community.
- Policies that support expansion of the bicycle and pedestrian network, improved transit and shuttle connections to neighboring communities, and expanded Readi-ride service locally.
- Actions to ensure adequate water supply and efficient delivery of public services, including diversification of water supply sources; construction of new wells and pipelines and storage facilities; and performance measures for prioritizing capital and maintenance projects.

The updated General Plan will include the following State-mandated elements: Land Use, Circulation, Conservation, Open-Space, Noise, Safety, and Environmental Justice as well as the following optional elements of importance to Dixon: Economic Development and Air Quality.

PROBABLE ENVIRONMENTAL IMPACTS OF THE PROJECT

The EIR will evaluate potentially significant environmental impacts associated with the adoption and implementation of the Project. Consistent with the State CEQA Guidelines (Appendix G), the following environmental resource categories will be analyzed in relation to the Project:

- Aesthetics
- Agricultural Resources
- Air Quality
- Biological Resources
- Cultural, Tribal, and Historic Resources
- Energy, Climate Change, and Greenhouse Gas Emissions
- Geology, Soils and and Seismicity
- Hazards and Hazardous Materials
- Hydrology, Drainage, and Water Quality
- Land Use, Population, and Housing
- Noise and Vibration
- Public Facilities and Recreation
- Traffic and Transportation
- Utilities and Service Systems

All of the resource categories listed above will be considered in the EIR; however, given the local context of Dixon, the following issues will be central to the environmental analysis:

- Potential direct and indirect impacts to agricultural land surrounding Dixon as well as plant and animal life in and around the community as a result of urban development under the General Plan will need to be analyzed.
- Given the concentration of historic resources in the downtown area, careful consideration of potential impacts to these resources that could result from redevelopment will be required.
- With major truck routes and rail infrastructure, including I-80, SR 113, and the UPRR tracks running through the community, the potential for adverse air quality and noise effects on sensitive populations such as children and seniors will need to be evaluated closely.
- Potential impacts related to groundwater supply and quality will need careful assessment due to Dixon's reliance on water sourced exclusively from the Solano subbasin of the Sacramento Valley Groundwater basin and the potential for infiltration of pollutants.

- While most of Dixon is located outside of Federal Emergency Management Agency (FEMA) designated flood hazard areas, some parts of the community are subject to localized flooding primarily due to known infrastructure deficiencies and the whole of the community is within the dam inundation zone of the Monticello Dam. Careful consideration of risk in view of these conditions will be required.
- With four roadway crossings of the UPRR line that bisects the community, a close assessment of potential safety impacts on pedestrians, bicyclists and motorists will be needed.

Additionally, it is anticipated that the following resources categories for which it can be clearly demonstrated that no significant impacts would result from Project implementation will be scoped out: Forestry Resources and Mineral Resources. Dixon sites on relatively flat terrain within the Sacramento Valley and there is no land that meets the State definition of forest or timberland. Similarly, there are no known mineral resource deposits and no active mining operations within the City limit or SOI. As such, these categories will be discussed briefly in the EIR and "scoped out" pursuant to CEQA Section 15082.

SCOPING MEETING:

A scoping meeting will be conducted on Tuesday, December 18, 2018 to collect oral comments from agencies and members of the public regarding the scope and content of the EIR in accordance with CEQA Section 21083.9.

EIR Scoping Meeting on the Dixon General Plan Update

Tuesday, December 18, 2018, 2018 | 7:00 to 8:30 PM

City Council Chambers

600 E A St, Dixon, CA 95620

For project information, please visit http://www.ci.dixon.ca.us/index.aspx?nid=438

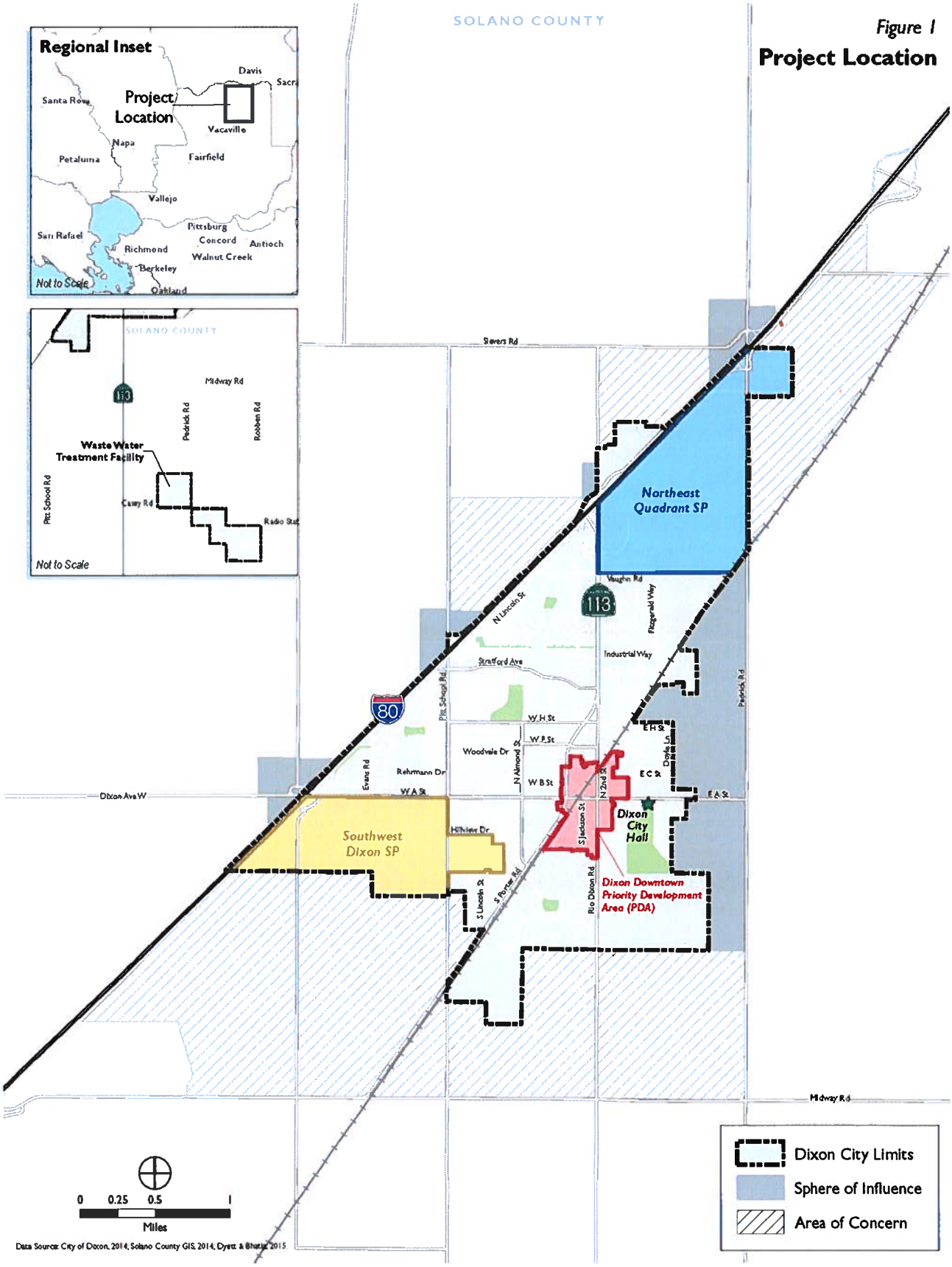
Please contact Dina Tasini at 707-678-7000 x1114 or dtasini@ci.dixon.ca.us with any questions regarding this notice or the scoping meeting.

11/8/18

Dina Tasini, Community Development Director — Date
City of Dixon

Figure 1

Project Location



STATE OF CALIFORNIA

GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH

EDMUND G. BROWN JR.
GOVERNOR

KEN ALEX
DIRECTOR

Notice of Preparation

November 13, 2018

To: Reviewing Agencies

Re: Dixon General Plan Update
SCH# 2018112035

Attached for your review and comment is the Notice of Preparation (NOP) for the Dixon General Plan Update draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Dina Tasini
City of Dixon
600 East A Street
Dixon, CA 95620

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

RECEIVED
NOV 14 2018
CITY OF DIXON

Attachments
cc: Lead Agency

1400 10th Street P.O. Box 3044 Sacramento, California 95812-3044
1-916-322-2318 FAX 1-916-558-3184 www.opr.ca.gov

GREENBELT ALLIANCE

Fairfield Office
1652 W. Texas St., Suite 203
Fairfield, CA 94533
(707) 400-0541

September 19, 2018

Dina Tasini
Director of Community Development, City of Dixon
600 E. A Street
Dixon, CA 95620

Re: Dixon General Plan Update - Areas of Concern

Dear Ms. Tasini,

After reviewing a draft of the Dixon General Plan Update (GPU), Greenbelt Alliance and the Solano County Orderly Growth Committee are concerned about the "areas of concern" as designated in Attachment B: Dixon General Plan Update Preferred Alternative Summary. Attachment B proposes to designate certain lands to the north, northeast, and south of the existing Dixon Sphere of Influence (SOI) as areas of concern "in order to facilitate the City's consideration of annexation of land within the "Area of Concern" at a later date."

These areas of concern are all currently zoned as "Intensive Agriculture" in the Solano County General Plan. We would oppose the annexation of these "areas of concern" into the city of Dixon and believe that a preliminary designation of these areas as "areas of concern" not only threatens the thriving prime agricultural land within them, but is also an unnecessary land use revision in the Dixon General Plan for the following reasons listed below. Despite LAFCO's assessment that additional CEQA review would not be required for the "areas of concern", if the city of Dixon were to pursue the "areas of concern", we believe – based on our expertise and experience – that it would be necessary for the General Plan CEQA review to include an analysis of the impacts of future buildout in the "areas of concern."

- ***No current or future growth threat from City of Vacaville***

Based on several conversations with Dixon residents and city staff members, one or more Dixon City Councilmembers apparently believe that the city of Vacaville desires to expand north into areas near Dixon. This is a perceived threat with little merit. The city of Vacaville has a 20-year Urban Growth Boundary (UGB), which totals 36 square miles in size and can be seen in Appendix A of this letter. The Vacaville General Plan states that a "UGB indicates the maximum allowable extent of urbanization;

beyond this boundary, only agricultural or open space uses are typically permitted. The UGB was adopted by the City Council as a result of a voter signature gathering process." The Vacaville General Plan goes on to state that "any land outside the UGB cannot be annexed into the City or designated for anything other than agriculture, park, open space, public facility, or utility uses until March 1, 2028." The city of Vacaville simply can't expand into land near Dixon with the 20-year UGB in place.

We encourage the city of Dixon to explore a similar strategy of creating an Urban Growth Boundary that would protect the precious farms, ranches, and natural lands around the city of Dixon for an agreed upon period of time. Since 1996, 38 cities in the Bay Area and throughout the state of California have adopted Urban Growth Boundaries as a way of protecting the greenbelt around their cities and encouraging the growth and vitality of existing city centers and downtown areas.

- ***Dixon Residents Supportive of "Greenbelt - Agriculture and Open Space"***

In the Community Survey Report, prepared by Dyett and Bhatia and completed in December 2015, as part of the Dixon General Plan Update process, there was not broad-based support to expand the SOI in Dixon. Almost half of Dixon residents did not support an expansion of the Dixon SOI and any residents that did support the expansion were overwhelmingly supportive of any "new growth" outside the current city boundaries being kept as "Greenbelt - keep as agriculture or other open space." Further, residents surveyed are supportive of the City's ability to build upon the potential of the existing downtown space with the addition of more restaurants, shopping, and walkable areas. Rather than the city sprawling outwards, Dixon residents are supportive of new economic development opportunities that could support a thriving, walkable downtown area.

- ***Preserve thriving agricultural economy around Dixon***

Dixon has some of the most fertile farmland and deepest agricultural roots in the entire state of California. The sectors of agriculture, retail and wholesale trade, and food services make up the largest share of workforce opportunities in Dixon. Continuing to preserve the current agricultural economy and the farms, ranches, and orchards that support it is crucial to the continued prosperity of Dixon. Designating areas of concern for potential annexation in the years to come opens up the possibility of putting these crucial farmlands in jeopardy.

For these reasons, we urge the City of Dixon to reconsider the potential negative ramifications of including "areas of concern" in their General Plan Update and instead, look to opportunities to work with both the County and the city of Vacaville to place permanent land protections on these precious pieces of agricultural land. Greenbelt Alliance is committed to working with the City Council, city staff, the Dixon General Plan Update Advisory Board, and the community to look for alternative means to protect these critical farmlands.

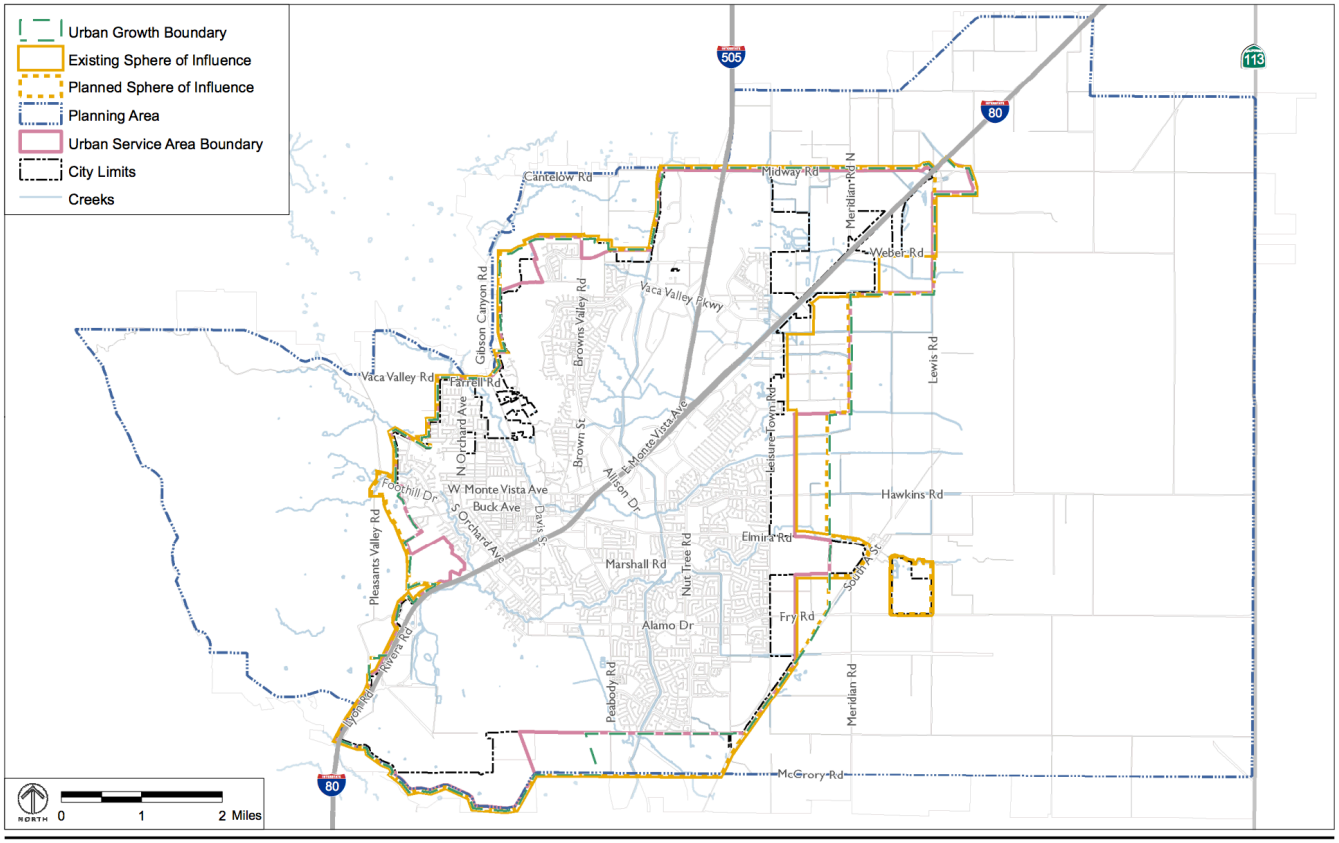
Thank you in advance for your consideration of our concern.

Sincerely,

Amy Hartman
Solano County, Regional Representative
Greenbelt Alliance
707-400-0541

Appendix A – Vacaville Planning Boundaries – City of Vacaville General Plan.
The full Vacaville General Plan can be found here.

CITY OF VACAVILLE
VACAVILLE GENERAL PLAN
INTRODUCTION



Source: City of Vacaville.

FIGURE I-2
PLANNING BOUNDARIES

Document Details Report
State Clearinghouse Data Base

SCH# 2018112035
Project Title Dixon General Plan Update
Lead Agency Dixon, City of

Type NOP Notice of Preparation

Description Note: Review Per Lead

In 2014, the City began the process of comprehensively updating the GP to incorporate changes to the policy framework and land uses to guide development and conservation through 2040 and to comply with new State regulations that have come into force since the plan was last updated. The objectives established for the GPU include: preserving/enhancing Dixon's small-town character; fostering economic development; ensuring a sustainable rate of growth and efficient delivery of public services; promoting high-quality development; preserving and protecting surrounding agricultural and open space lands; and encouraging careful stewardship of water, energy, and other environmental resources.

Lead Agency Contact

Name Dina Tasini
Agency City of Dixon
Phone (707) 678-7000 x 1114 **Fax**
email
Address 600 East A Street
City Dixon **State** CA **Zip** 95620

Project Location

County Solano
City Dixon
Region
Cross Streets various
Lat / Long 38.44° 52' 33" N / 121° 57' W
Parcel No. citywide
Township **Range** **Section** **Base**

Proximity to:

Highways 113, I-80
Airports
Railways UPRR
Waterways Various
Schools Various
Land Use various

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Cumulative Effects; Drainage/Absorption; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Growth Inducing; Landuse; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian

Reviewing Agencies Department of Conservation; Resources Agency; Cal Fire; Central Valley Flood Protection Board; Department of Parks and Recreation; Department of Fish and Wildlife, Region 3; Office of Emergency Services, California; Department of Housing and Community Development; Native American Heritage Commission; Public Utilities Commission; State Lands Commission; California Highway Patrol; Caltrans, District 4; Regional Water Quality Control Bd., Region 5 (Sacramento); State Water Resources Control Board, Division of Water Quality

Note: Blanks in data fields result from insufficient information provided by lead agency.

Document Details Report
State Clearinghouse Data Base

Date Received 11/13/2018 ***Start of Review*** 11/13/2018 ***End of Review*** 12/20/2018

Note: Blanks in data fields result from insufficient information provided by lead

Print Form

Appendix C

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # 2018112035

Project Title: Dixon General Plan Update

Lead Agency: City of Dixon | Contact Person: Dina Tasini

Mailing Address: | Phone: 707-678-7000 x1114

City: 600 East A Street, Dixon, CA | Zip: 95620 | County: Solano

Project Location: County: Solano | City/Nearest Community: Dixon

Cross Streets: Various | Zip Code: Various

Longitude/Latitude (degrees, minutes and seconds): 38.44° 52 ′ 33 ″ N / -121° 57 ′ 82 ″ W Total Acres: 5,522

Assessor's Parcel No.: Citywide | Section: | Twp.: | Range: | Base:

Within 2 Miles: State Hwy #: 113, I-80 | Waterways: Various

Airports: | Railways: Union Pacific Railroad | Schools: Various

Document Type:

CEQA: ☒ NOP ☐ Draft EIR | NEPA: ☐ NOI | Other: ☐ Joint Document
☐ Early Cons ☐ Supplement/Subsequent EIR | ☐ EA | ☐ Final Document
☐ Neg Dec (Prior SCH No.) | ☐ Draft EIS | ☐ Other:
☐ Mit Neg Dec Other: | ☐ FONSI

Governor's Office of Planning & Research

Local Action Type:

☒ General Plan Update ☐ Specific Plan ☐ Rezone ☐ Annexation
☐ General Plan Amendment ☐ Master Plan ☐ Prezone ☐ Redevelopment
☐ General Plan Element ☐ Planned Unit Development ☐ Use Permit ☐ Coastal Permit
☐ Community Plan ☐ Site Plan ☐ Land Division (Subdivision, etc.) ☐ Other:

NOV 13 2018
STATE CLEARINGHOUSE

Development Type:

☒ Residential: Units Acres
☒ Office: Sq.ft. Acres Employees | ☐ Transportation: Type
☒ Commercial: Sq.ft. Acres Employees | ☐ Mining: Mineral
☒ Industrial: Sq.ft. Acres Employees | ☐ Power: Type MW
☐ Educational: | ☐ Waste Treatment: Type MGD
☒ Recreational: | ☐ Hazardous Waste: Type
☐ Water Facilities: Type MGD | ☐ Other:

Project Issues Discussed in Document:

☒ Aesthetic/Visual ☐ Fiscal ☒ Recreation/Parks ☒ Vegetation
☒ Agricultural Land ☒ Flood Plain/Flooding ☒ Schools/Universities ☒ Water Quality
☒ Air Quality ☒ Forest Land/Fire Hazard ☒ Septic Systems ☒ Water Supply/Groundwater
☒ Archeological/Historical ☒ Geologic/Seismic ☒ Sewer Capacity ☒ Wetland/Riparian
☒ Biological Resources ☒ Minerals ☒ Soil Erosion/Compaction/Grading ☒ Growth Inducement
☐ Coastal Zone ☒ Noise ☒ Solid Waste ☒ Land Use
☒ Drainage/Absorption ☒ Population/Housing Balance ☒ Toxic/Hazardous ☒ Cumulative Effects
☐ Economic/Jobs ☒ Public Services/Facilities ☒ Traffic/Circulation ☐ Other:

Present Land Use/Zoning/General Plan Designation:

Various

Project Description: *(please use a separate page if necessary)*

In 2014, the City began the process of comprehensively updating the General Plan to incorporate changes to the policy framework and land uses to guide development and conservation through 2040 and to comply with new State regulations that have come into force since the plan was last updated. The objectives established for the General Plan Update include: preserving/ enhancing Dixon's small-town character; fostering economic development; ensuring a sustainable rate of growth and efficient delivery of public services; promoting high-quality development; preserving and protecting surrounding agricultural and open space lands; and encouraging careful stewardship of water, energy, and other environmental resources. See attached NOP for additional detail.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Revised 2010

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "X".
If you have already sent your document to the agency please denote that with an "S".

____	Air Resources Board	X	Office of Historic Preservation
____	Boating & Waterways, Department of	____	Office of Public School Construction
X	California Emergency Management Agency	____	Parks & Recreation, Department of
____	California Highway Patrol	X	Pesticide Regulation, Department of
X	Caltrans District #4	X	Public Utilities Commission
____	Caltrans Division of Aeronautics	X	Regional WQCB #5
X	Caltrans Planning	X	Resources Agency
X	Central Valley Flood Protection Board	____	Resources Recycling and Recovery, Department of
____	Coachella Valley Mtns. Conservancy	____	S.F. Bay Conservation & Development Comm.
____	Coastal Commission	____	San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
____	Colorado River Board	____	San Joaquin River Conservancy
X	Conservation, Department of	____	Santa Monica Mtns. Conservancy
____	Corrections, Department of	____	State Lands Commission
____	Delta Protection Commission	____	SWRCB: Clean Water Grants
____	Education, Department of	X	SWRCB: Water Quality
____	Energy Commission	____	SWRCB: Water Rights
X	Fish & Game Region #3	____	Tahoe Regional Planning Agency
X	Food & Agriculture, Department of	____	Toxic Substances Control, Department of
____	Forestry and Fire Protection, Department of	____	Water Resources, Department of
____	General Services, Department of		
____	Health Services, Department of	____	Other:
____	Housing & Community Development	____	Other:
X	Native American Heritage Commission		

Local Public Review Period (to be filled in by lead agency)

Starting Date November 13, 2018 Ending Date December 20, 2018

Lead Agency (Complete if applicable):

Consulting Firm: Dyett & Bhatia
Address: 1330 Broadway, Suite 604
City/State/Zip: Oakland, CA, 94612
Contact: Andrew Hill
Phone: (415)956-4300

Applicant: City of Dixon
Address: 600 East A Street
City/State/Zip: Dixon CA 95620
Phone: 707-678-7000 ext 1114

Signature of Lead Agency Representative: _____ **Date:** 11/08/2018

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

IOP Distribution List

County: Solano or

SCH# 2018112035

ources Agency

Resources Agency
Nadell Gayou

- ☐ **Dept. of Boating & Waterways**
  Denise Peterson
- ☐ **California Coastal Commission**
  Allyson Hitt
- ☐ **Colorado River Board**
  Elsa Contreras
- ■ **Dept. of Conservation**
  Crina Chan
- ■ **Cal Fire**
  Dan Foster
- ■ **Central Valley Flood Protection Board**
  James Herota
- ☐ **Office of Historic Preservation**
  Ron Parsons

Dept of Parks & Recreation
Environmental Stewardship Section

- ☐ **S.F. Bay Conservation & Dev't. Comm.**
  Steve Goldbeck
- ☐ **Dept. of Water Resources**
  Resources Agency
  Nadell Gayou

Fish and Game

- ☐ **Depart. of Fish & Wildlife**
  Scott Flint
  Environmental Services Division
- ☐ **Fish & Wildlife Region 1**
  Curt Babcock
- ☐ **Fish & Wildlife Region 1E**
  Laurie Harnsberger
- ☐ **Fish & Wildlife Region 2**
  Jeff Drongesen
- ■ **Fish & Wildlife Region 3**
  Craig Weightman
- ☐ **Fish & Wildlife Region 4**
  Julie Vance
- ☐ **Fish & Wildlife Region 5**
  Leslie Newton-Reed
  Habitat Conservation Program
- ☐ **Fish & Wildlife Region 6**
  Tiffany Ellis
  Habitat Conservation Program
- ☐ **Fish & Wildlife Region 6 I/M**
  Heidi Calvert
  Inyo/Mono, Habitat Conservation Program
- ☐ **Dept. of Fish & Wildlife M**
  William Paznokas
  Marine Region

Other Departments

- ☐ **California Department of Education**
  Lesley Taylor
- ■ **OES (Office of Emergency Services)**
  Monique Wilber
- ☐ **Food & Agriculture**
  Sandra Schubert
  Dept. of Food and Agriculture
- ☐ **Dept. of General Services**
  Cathy Buck
  Environmental Services Section
- ■ **Housing & Comm. Dev.**
  CEQA Coordinator
  Housing Policy Division

Independent Commissions,Boards

- ☐ **Delta Protection Commission**
  Erik Vink
- ☐ **Delta Stewardship Council**
  Anthony Navasero
- ☐ **California Energy Commission**
  Eric Knight
- ■ **Native American Heritage Comm.**
  Debbie Treadway
- ■ **Public Utilities Commission**
  Supervisor
- ☐ **Santa Monica Bay Restoration**
  Guangyu Wang
- ■ **State Lands Commission**
  Jennifer Deleong
- ☐ **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Cal State Transportation Agency CalSTA

- ☐ **Caltrans - Division of Aeronautics**
  Philip Crimmins
- ☐ **Caltrans – Planning HQ LD-IGR**
  Christian Bushong
- ■ **California Highway Patrol**
  Suzann Ikeuchi
  Office of Special Projects

Dept. of Transportation

- ☐ **Caltrans, District 1**
  Rex Jackman
- ☐ **Caltrans, District 2**
  Marcelino Gonzalez
- ☐ **Caltrans, District 3**
  Susan Zanchi
- ■ **Caltrans, District 4**
  Patricia Maurice
- ☐ **Caltrans, District 5**
  Larry Newland
- ☐ **Caltrans, District 6**
  Michael Navarro
- ☐ **Caltrans, District 7**
  Dianna Watson
- ☐ **Caltrans, District 8**
  Mark Roberts
- ☐ **Caltrans, District 9**
  Gayle Rosander
- ☐ **Caltrans, District 10**
  Tom Dumas
- ☐ **Caltrans, District 11**
  Jacob Armstrong
- ☐ **Caltrans, District 12**
  Maureen El Harake

Cal EPA

Air Resources Board

- ☐ **Airport & Freight**
  Jack Wursten
  - ☐ **Transportation Projects**
    Nesamani Kalandiyur
  - ☐ **Industrial/Energy Projects**
    Mike Tollstrup
- ☐ **California Department of Resources, Recycling & Recovery**
  Kevin Taylor/Jeff Esquivel
- ☐ **State Water Resources Control Board**
  Regional Programs Unit
  Division of Financial Assistance
- ☐ **State Water Resources Control Board**
  Cindy Forbes – Asst Deputy
  Division of Drinking Water
- ☐ **State Water Resources Control Board**
  Div. Drinking Water #_____
- ■ **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- ☐ **State Water Resouces Control Board**
  Phil Crader
  Division of Water Rights
- ☐ **Dept. of Toxic Substances Control Reg. #_____**
  CEQA Tracking Center
- ☐ **Department of Pesticide Regulation**
  CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- ☐ **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- ☐ **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- ☐ **RWQCB 3**
  Central Coast Region (3)
- ☐ **RWQCB 4**
  Teresa Rodgers
  Los Angeles Region (4)
- ■ **RWQCB 5S**
  Central Valley Region (5)
  - ☐ **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - ☐ **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- ☐ **RWQCB 6**
  Lahontan Region (6)
  - ☐ **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- ☐ **RWQCB 7**
  Colorado River Basin Region (7)
- ☐ **RWQCB 8**
  Santa Ana Region (8)
- ☐ **RWQCB 9**
  San Diego Region (9)

- ☐ **Other** _____
  _____
  _____
- ☐ _____
  Conservancy

Last Updated 5/22/18

STATE OF CALIFORNIA Edmund G. Brown Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov
Twitter: @CA_NAHC

November 20, 2018

Dina Tasini
City of Dixon
600 East A Street
Dixon, CA 95620

RE: SCH# 2018112035 Dixon General Plan Update, Solano County

Dear Ms. Tasini:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
   a. A brief description of the project.
   b. The lead agency contact information.
   c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
   d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).
   a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
   a. Alternatives to the project.
   b. Recommended mitigation measures.
   c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
   a. Type of environmental review necessary.
   b. Significance of the tribal cultural resources.
   c. Significance of the project's impacts on tribal cultural resources.
   d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
   a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
   b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
    a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
    b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
        i. Planning and construction to avoid the resources and protect the cultural and natural context.
        ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
        i. Protecting the cultural character and integrity of the resource.
        ii. Protecting the traditional use of the resource.
        iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
    a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
    b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
    a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
    b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
    c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Sharaya.Souza@nahc.ca.gov.

Sincerely,

for Sharaya Souza
Staff Services Analyst

cc: State Clearinghouse

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California
Department of Conservation
Oil, Gas, & Geothermal Resources

Northern District
801 K Street, MS 18-05
Sacramento, CA 95814
Dogdist6@conservation.ca.gov
T: (916) 322-1110
F: (916) 445-3319
conservation.ca.gov

November 29, 2018

State Clearinghouse
State.Clearinghouse@opr.ca.gov
PO Box 3044
Sacramento, CA 95812-3044

CEQA Project: **SCH #2018112035**
Lead Agency: City of Dixon – Community Development Department
Project Title: Dixon General Plan Update

The Division of Oil, Gas, and Geothermal Resources (Division) oversees the drilling, operation, maintenance, and plugging and abandonment of oil, natural gas, and geothermal wells. Our regulatory program emphasizes the wise development of oil, natural gas, and geothermal resources in the state through sound engineering practices that protect the environment, prevent pollution, and ensure public safety. Northern California is known for its rich gas fields. Division staff have reviewed the documents depicting the proposed project.

The City of Dixon has elected to renew their General Plan to incorporate changes to policy framework and land-use designations intended to guide development and to comply with new State regulations. An emphasis is on planned job-generating development in the Northeast Quadrant Specific Plan Area and residential development in the Southwest Specific Plan Area. The attached maps show the city limits, the Northeast and Southwest Specific Plan Areas, the "Zones of Influence" outside the current City limits, and Areas of Concern which have the potential for likely future development. There is also an area of City property outside the main land City area which is devoted to waste water treatment.

The enclosed maps show the known wells located in the project area. Thirty-three gas wells are within the project area; all have been plugged and abandoned. Three are located within the Northeast Quadrant Specific Plan Area and within the City Limits. Six are located within the City Limits. Nine are located within Areas of Concern outside the current City Limits. Eight are located within the City Limits is a sphere of Influence area. Two are located within City Limits in the waste water treatment area. Note that no information was provided with respect to specific building /development plans in the study area, so the specific impact of the wells to proposed development and vice versa cannot be evaluated.

For future reference, you can review wells located on private and public land at the Division's website: https://secure.conservation.ca.gov/WellSearch. The Division makes no statement regarding the adequacy of abandonment procedures at this time. Some may not have been abandoned properly with respect to current abandonment requirements.

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4. Sections 3208 and 3255(a)(3) of the Public Resources Code give the Division the authority to order the re-abandonment of any well that is hazardous, or that poses a danger to life, health, or natural resources. Responsibility for re-abandonment costs for any well may be affected by the choices made by the local permitting agency, property owner, and/or developer in considering the general recommendations set forth in this letter. (Cal. Public Res. Code, § 3208.1.)

5. Maintaining sufficient access to a gas well may be generally described as maintaining "rig access" to the well. Rig access allows a well servicing rig and associated necessary equipment to reach the well from a public street or access way, solely over the parcel on which the well is located. A well servicing rig, and any necessary equipment, should be able to pass unimpeded along and over the route, and should be able to access the well without disturbing the integrity of surrounding infrastructure.

6. If, during the course of development of a proposed project, any unknown well(s) is/are discovered, the Division should be notified immediately so that the newly-discovered well(s) can be incorporated into the records and investigated. The Division recommends that any wells found in the course of a project, and any pertinent information obtained after the issuance of this letter, be communicated to the appropriate county recorder for inclusion in the title information of the subject real property. This is to ensure that present and future property owners are aware of (1) the wells located on the property, and (2) potentially significant issues associated with any improvements near oil or gas wells.

No well work may be performed on any oil or gas well without written approval from the Division in the form of an appropriate permit. This includes, but is not limited to, mitigating leaking fluids or gas from abandoned wells, modifications to well casings, and/or any other re-abandonment work. (NOTE: the Division regulates the depth of any well below final grade (depth below the surface of the ground). Title 14, Section 1723.5 of the California Code of Regulations states that all well casings shall be cut off at least 5 feet but no more than 10 feet below grade. If any well needs to be lowered or raised (i.e. casing cut down or casing riser added) to meet this grade regulation, a permit from the Division is required before work can start.)

Charlene L. Wardlow
Northern District Deputy

CC: Dina Tasini, Director
dtasini@ci.dixon.ca.us

Attachments (4)

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WELLS WITHIN CITY OF DIXON GENERAL PLAN AREA

Map #	API Number	Operator	Well Number	Spud Date	Abandon Date	Total Depth	Zone Type	Notes
1	09520367	The Dow Chenmical Company	Thomas Saltzen et al #1	1978	1978	6871	Area of Concern	
2	09520332	Chevron U.S.A. Inc.	Sparling #1	1976	1977	7176	Sphere of Influence	
3	09520834	H. T. Hilliard & Co.	Sparling 1-1	1988	1988	7000	City Limits, NE Quad	
4	09520988	Two Bay Petroleum	E. Dixon Unit 1-1	1994	1995	5000	City Limits, NE Quad	
5	09520813	H. T. Hilliard & Co.	Rendall #1	1987	1993	7100	City Limits, NE Quad	Produced 209 MMcf
6	09500394	Exxon Mobil Corporation	Mary M. Collier #1	1960	1960	5500	City Limits, NE Quad	
7	09520984	Two Bay Petroleum	Vaughn #1	1994	1994	5100	City Limits, NE Quad	
8	09520788	Robert Sumpf	Vaughn #1	1986	1986	5340	City Limits, NE Quad	
9	09520587	Hilliard Oil & Gas Inc.	Nishikawa Unit 1	1982	1982	5750	City Limits	
10	09520761	Robert Sumpf	Nishikawa 1	1986	1990	5500	City Limits	Produced 375 MMcf
11	09520751	Robert Sumpf	Fulmor 1	1986	1986	5971	Area of Concern	
12	09520721	TXO Production Corp.	Fulmot 11-1	1985	1985	5504	Area of Concern	
13	09500388	SWEPI, LP	Davis Unit 1 #1	1949	1949	6500	Sphere of Influence	
14	09520665	TXO Production Corp.	Timm 13-1	1984	1984	7740	Sphere of Influence	
15	09521088	BTA Oil Producers	9808 JV-P Dann Unit 1	1999	1999	5400	Sphere of Influence	
16	09520684	Natural Gas Corp. of Calif.	Gill Unit 1-13	1984	1984	5500	Sphere of Influence	
17	09520562	Atlantic Oil Company	Timm 1	1982	1982	7550	Sphere of Influence	
18	09520359	Hilliard Oil & Gas Inc.	S & W-Lombardo Unit 2	1977	1977	7453	Sphere of Influence	
19	09520455	TXO Production Corp.	Lombardo 24-1	1981	1981	5600	Sphere of Influence	
20	09520339	Hilliard Oil & Gas Inc.	S & W-Lombardo Unit 1	1977	1977	7867	Sphere of Influence	
21	09521075	F-W Oil Interests Inc.	Bertolero 1	1999	1999	8206 TVD	City Limits	
22	09521190	Donald C. Slawson Expl Co., Inc.	Ruby 1-24	2003	2008	7730	City Limits	Produced 201 MMcf
23	09520327	Hilliard Oil & Gas Inc.	SW-Kilkenney 1	1976	1977	7952	City Limits	
24	09500390	T. A. Atkinson Opr	Mobil Dixon 1	1961	1961	8215	Area of Concern	
25	09520556	Dekalb Energy Co.	Fukimoto Farms 33-26	1982	1982	7805	City Limits	
26	09520314	Hilliard Oil & Gas Inc.	Golden West 1	1976	1977	6133	Area of Concern	
27	09520710	Arkoma Prod. Co. of Calif.	Golden West 25-1	1985	1985	7913	Area of Concern	
28	09520442	Geo-Logic, Inc.	Golden West 1	1980	1980	7820	Area of Concern	
29	09520696	Hamilton Brothers Oil Company	Barry 1-27	1984	1985	6944	Area of Concern	
30	09520781	Jordan Oil & Gas Company	Dutton 1-25	1987	1987	8550	Area of Concern	
31	09520272	Sumpf-Williams	Ladd Petroleum-Young 1	1975	1976	8382	Area of Concern	
A	09521319	Venture Oil & Gas Inc.	Etcheverria 6-1	2010	2010	9734	City Limits WWT Area	
B	09520411	Hunnicutt & Camp Drilling Co.	Rohwer 1	1980	1980	8650	City Limits WWT Area	

Refer to figures for well locations.

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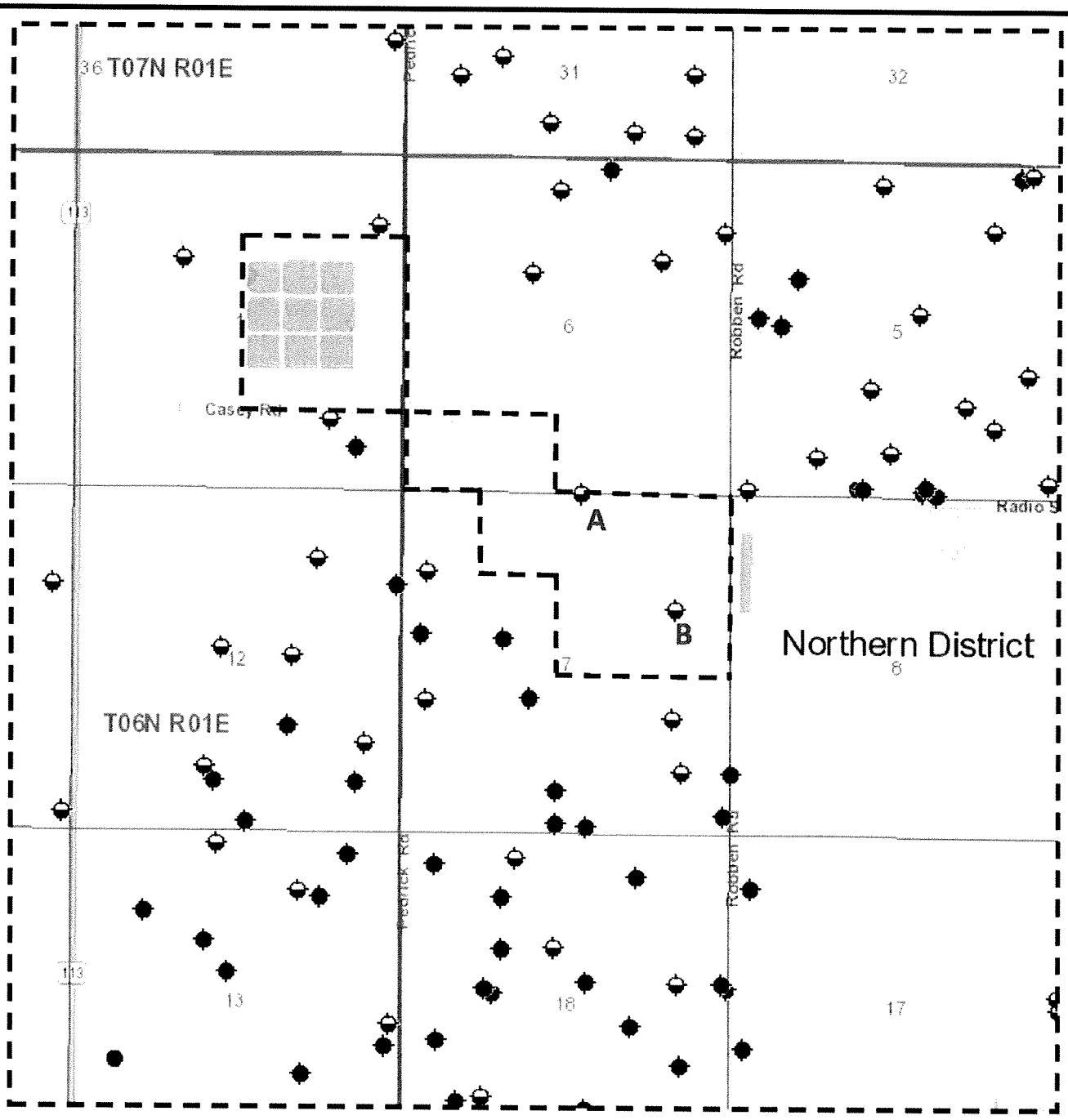


City Limits

B Refer to Spreadsheet for well information.

0.4 Mile

NORTH

WELL LOCATION MAP—Waste Water Treatment Area
SCH #2018112035
City of Dixon General Plan Update
Solano County, California

YOCHA DEHE
CULTURAL RESOURCES

December 6, 2018

City of Dixon
Attn: Dina Tasini, Community Development Director
600 East A Street
Dixon, CA 95620

RE: Dixon General Plan

Dear Ms. Tasini:

Thank you for your project notification letter dated, November 13, 2018, regarding cultural information on or near the proposed Dixon General Plan, Dixon, Solano County. We appreciate your effort to contact us and wish to respond.

The Cultural Resources Department has reviewed the project and concluded that it is within the aboriginal territories of the Yocha Dehe Wintun Nation. Therefore, we have a cultural interest and authority in the proposed project area.

Based on the information provided, the Tribe has concerns that the project could impact known cultural resources. Please send us the cultural resource study for this project.

Should you have any questions, please contact the following individual:

Kristin Jensen, CRD Administrative Assistant
Yocha Dehe Wintun Nation
Office: (530) 796-0105
Email: kjensen@yochadehe-nsn.gov

Please refer to identification number YD – 04152015-04 in any correspondence concerning this project.

Thank you for providing us with this notice and the opportunity to comment.

Sincerely,

Leland Kinter
Tribal Historic Preservation Officer

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

12 December 2018

Dina Tasini
City of Dixon
600 East A Street
Dixon, CA 95620

CERTIFIED MAIL
7018 1830 0001 0062 3558

COMMENTS TO REQUEST FOR REVIEW FOR THE NOTICE OF PREPARATION FOR THE DRAFT ENVIRONMENTAL IMPACT REPORT, DIXON GENERAL PLAN UPDATE PROJECT, SCH#2018112035, SOLANO COUNTY

Pursuant to the State Clearinghouse's 13 November 2018 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Request for Review for the Notice of Preparation for the Draft Environmental Impact Report* for the Dixon General Plan Update Project, located in Solano County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore our comments will address concerns surrounding those issues.

I. Regulatory Setting

Basin Plan

The Central Valley Water Board is required to formulate and adopt Basin Plans for all areas within the Central Valley region under Section 13240 of the Porter-Cologne Water Quality Control Act. Each Basin Plan must contain water quality objectives to ensure the reasonable protection of beneficial uses, as well as a program of implementation for achieving water quality objectives with the Basin Plans. Federal regulations require each state to adopt water quality standards to protect the public health or welfare, enhance the quality of water and serve the purposes of the Clean Water Act. In California, the beneficial uses, water quality objectives, and the Antidegradation Policy are the State's water quality standards. Water quality standards are also contained in the National Toxics Rule, 40 CFR Section 131.36, and the California Toxics Rule, 40 CFR Section 131.38.

The Basin Plan is subject to modification as necessary, considering applicable laws, policies, technologies, water quality conditions and priorities. The original Basin Plans were adopted in 1975, and have been updated and revised periodically as required, using Basin Plan amendments. Once the Central Valley Water Board has adopted a Basin Plan amendment in noticed public hearings, it must be approved by the State Water Resources Control Board (State Water Board), Office of Administrative Law (OAL) and in some cases,

the United States Environmental Protection Agency (USEPA). Basin Plan amendments only become effective after they have been approved by the OAL and in some cases, the USEPA. Every three (3) years, a review of the Basin Plan is completed that assesses the appropriateness of existing standards and evaluates and prioritizes Basin Planning issues.

For more information on the *Water Quality Control Plan for the Sacramento and San Joaquin River Basins*, please visit our website:
http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/

Antidegradation Considerations

All wastewater discharges must comply with the Antidegradation Policy (State Water Board Resolution 68-16) and the Antidegradation Implementation Policy contained in the Basin Plan. The Antidegradation Implementation Policy is available on page 74 at:
https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/sacsjr_201805.pdf

In part it states:

> *Any discharge of waste to high quality waters must apply best practicable treatment or control not only to prevent a condition of pollution or nuisance from occurring, but also to maintain the highest water quality possible consistent with the maximum benefit to the people of the State.*
>
> *This information must be presented as an analysis of the impacts and potential impacts of the discharge on water quality, as measured by background concentrations and applicable water quality objectives.*

The antidegradation analysis is a mandatory element in the National Pollutant Discharge Elimination System and land discharge Waste Discharge Requirements (WDRs) permitting processes. The environmental review document should evaluate potential impacts to both surface and groundwater quality.

II. Permitting Requirements

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Construction General Permit Order No. 2009-009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan

(SWPPP).

For more information on the Construction General Permit, visit the State Water Resources Control Board website at:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

Phase I and II Municipal Separate Storm Sewer System (MS4) Permits[1]
The Phase I and II MS4 permits require the Permittees reduce pollutants and runoff flows from new development and redevelopment using Best Management Practices (BMPs) to the maximum extent practicable (MEP). MS4 Permittees have their own development standards, also known as Low Impact Development (LID)/post-construction standards that include a hydromodification component. The MS4 permits also require specific design concepts for LID/post-construction BMPs in the early stages of a project during the entitlement and CEQA process and the development plan review process.

For more information on which Phase I MS4 Permit this project applies to, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/

For more information on the Phase II MS4 permit and who it applies to, visit the State Water Resources Control Board at:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.shtml

Industrial Storm Water General Permit
Storm water discharges associated with industrial sites must comply with the regulations contained in the Industrial Storm Water General Permit Order No. 2014-0057-DWQ.

For more information on the Industrial Storm Water General Permit, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/industrial_general_permits/index.shtml

Clean Water Act Section 404 Permit
If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed from the United States Army Corps of Engineers (USACE). If a Section 404 permit is required by the USACE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration Permit requirements.

[1] Municipal Permits = The Phase I Municipal Separate Storm Water System (MS4) Permit covers medium sized Municipalities (serving between 100,000 and 250,000 people) and large sized municipalities (serving over 250,000 people). The Phase II MS4 provides coverage for small municipalities, including non-traditional Small MS4s, which include military bases, public campuses, prisons and hospitals.

If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACE at (916) 557-5250.

Clean Water Act Section 401 Permit – Water Quality Certification

If an USACE permit (e.g., Non-Reporting Nationwide Permit, Nationwide Permit, Letter of Permission, Individual Permit, Regional General Permit, Programmatic General Permit), or any other federal permit (e.g., Section 10 of the Rivers and Harbors Act or Section 9 from the United States Coast Guard), is required for this project due to the disturbance of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications.

For more information on the Water Quality Certification, visit the Central Valley Water Board website at:
https://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_certification/

Waste Discharge Requirements – Discharges to Waters of the State

If USACE determines that only non-jurisdictional waters of the State (i.e., "non-federal" waters of the State) are present in the proposed project area, the proposed project may require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation.

For more information on the Waste Discharges to Surface Water NPDES Program and WDR processes, visit the Central Valley Water Board website at:
https://www.waterboards.ca.gov/centralvalley/water_issues/waste_to_surface_water/

Dewatering Permit

If the proposed project includes construction or groundwater dewatering to be discharged to land, the proponent may apply for coverage under State Water Board General Water Quality Order (Low Risk General Order) 2003-0003 or the Central Valley Water Board's Waiver of Report of Waste Discharge and Waste Discharge Requirements (Low Risk Waiver) R5-2013-0145. Small temporary construction dewatering projects are projects that discharge groundwater to land from excavation activities or dewatering of underground utility vaults. Dischargers seeking coverage under the General Order or Waiver must file a Notice of Intent with the Central Valley Water Board prior to beginning discharge.

For more information regarding the Low Risk General Order and the application process, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf

For more information regarding the Low Risk Waiver and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/waivers/r5-2013-0145_res.pdf

Regulatory Compliance for Commercially Irrigated Agriculture

If the property will be used for commercial irrigated agricultural, the discharger will be required to obtain regulatory coverage under the Irrigated Lands Regulatory Program. There are two options to comply:

1. **Obtain Coverage Under a Coalition Group.** Join the local Coalition Group that supports land owners with the implementation of the Irrigated Lands Regulatory Program. The Coalition Group conducts water quality monitoring and reporting to the Central Valley Water Board on behalf of its growers. The Coalition Groups charge an annual membership fee, which varies by Coalition Group. To find the Coalition Group in your area, visit the Central Valley Water Board's website at: https://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/for_growers/coalition_groups/ or contact water board staff at (916) 464-4611 or via email at IrrLands@waterboards.ca.gov.

2. **Obtain Coverage Under the General Waste Discharge Requirements for Individual Growers, General Order R5-2013-0100**. Dischargers not participating in a third-party group (Coalition) are regulated individually. Depending on the specific site conditions, growers may be required to monitor runoff from their property, install monitoring wells, and submit a notice of intent, farm plan, and other action plans regarding their actions to comply with their General Order. Yearly costs would include State administrative fees (for example, annual fees for farm sizes from 11-100 acres are currently $1,277 + $8.53/Acre); the cost to prepare annual monitoring reports; and water quality monitoring costs. To enroll as an Individual Discharger under the Irrigated Lands Regulatory Program, call the Central Valley Water Board phone line at (916) 464-4611 or e-mail board staff at IrrLands@waterboards.ca.gov.

Limited Threat General NPDES Permit

If the proposed project includes construction dewatering and it is necessary to discharge the groundwater to waters of the United States, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. Dewatering discharges are typically considered a low or limited threat to water quality and may be covered under the General Order for *Limited Threat Discharges to Surface Water* (Limited Threat General Order). A complete Notice of Intent must be submitted to the Central Valley Water Board to obtain coverage under the Limited Threat General Order.

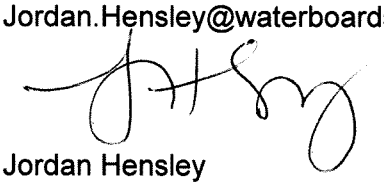
For more information regarding the Limited Threat General Order and the application process, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076-01.pdf

NPDES Permit

If the proposed project discharges waste that could affect the quality of surface waters of the State, other than into a community sewer system, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. A complete Report of Waste Discharge must be submitted with the Central Valley Water Board to obtain a NPDES Permit.

For more information regarding the NPDES Permit and the application process, visit the Central Valley Water Board website at:
https://www.waterboards.ca.gov/centralvalley/help/permit/

If you have questions regarding these comments, please contact me at (916) 464-4812 or Jordan.Hensley@waterboards.ca.gov.



Jordan Hensley
Environmental Scientist

cc: State Clearinghouse unit, Governor's Office of Planning and Research, Sacramento

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December 14, 2018

Dina Tasini, Director
Community Development
City of Dixon
600 East A Street
Dixon, California 95620

DTasini@ci.dixon.ca.us

Re: Dixon General Plan Update EIR/Study

Dear Ms. Tasini:

Solano Irrigation District and I appreciate your explanation that the Office of Planning and Research's notice is simply preparatory to the drafting of a study of alternatives and an environmental impact report in regard to certain changes that may be considered in the City of Dixon's General Plan.

Solano Irrigation District has had a long and cooperative relationship with the City of Dixon in regard to water resources and continues to cooperate with the citizens of Dixon to attempt to supply and manage surface water and groundwater uses in order to provide a sustainable and economic source of water for uses within the City of Dixon. Of course, to the degree Solano Irrigation District is able to provide that supply, it can then be extracted, pressurized, and treated for use as a reliable water supply both for those areas served by Dixon and those served by CalWater.

We would ask that in preparation of the environmental impact report considering alternatives regarding community development and water use, particular attention be paid to Solano Irrigation District's increasing strains in continuing that reliability and its economic costs associated with managing the groundwater supplies and quality relied upon by the present citizens of the City of Dixon. In addition, the requirements of the Sustainable Groundwater Management Act recently adopted by the California legislature requires that the District's past efforts, which have been largely successful maintaining a usable groundwater supply for the residents of the City of Dixon, not be assumed to simply continue and be inexhaustible with new land development formats. That can only occur if new investment in groundwater and surface water management occurs.

Please be assured that the staff of Solano Irrigation District and its board of directors stand ready to work with the city's environmental impact report consultant and your department to ensure that an accurate description of the surface water supplies that make groundwater sustainable are fully understood and described. We can also be helpful in outlining the methods and measures which will be necessary both in regard to the existing areas of water use supplied by the district's efforts and pressurized for use by the City of Dixon's system, and the existing areas of use served by CalWater. Your work regarding the General Plan must assure and specify the measures and resources that will have to be available to the city, district, and CalWater in order to maintain both the economic base and physical base that will continue to provide reliable water supplies to existing customers and which will be required to be implemented in order support the additional demands contemplated in the general plan amendments by additional residential and commercial development (if that is to occur within the Dixon area).

In these circumstances, we believe the Solano Irrigation District is a responsible agency (Public Resources Code section 21080.3, et seq.) and because of its role in groundwater management has many of the attributes of a trustee agency under CEQA (Public Resources Code section 21070). We look forward to consulting and working in those capacities with you, your staff, your consultants, the City Council, and CalWater's management team, bearing in mind that a general plan process must be coordinated, and not to simply presume the availability of a groundwater supply source. The economic and physical measures necessary to support existing supplies, as well as the supplies for increased use, must be specified and implemented. (*County of Amador v. El Dorado Water Agency* (1999) 76 Cal.App.4th 931; *Cadiz Land v. Rail Cycle* (2000) 83 Cal.App.4th 74; *Save Our Peninsula Committee v. Monterey Bay County Board of Supervisors* (2001) 87 Cal.App.4th 99.)

Very truly yours,

MINASIAN, MEITH, SOARES,
SEXTON & COOPER, LLP

By
PAUL R. MINASIAN

PRM/tw
cc: Solano Irrigation District
Attn: Cary Keaten, General Manager
Attn: Paul Fuchslin, Director of Engineering

State of California – The Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Bay Delta Region
2825 Cordelia Road, Suite 100
Fairfield, CA 94534
(707) 428-2002
www.wildlife.ca.gov

EDMUND G. BROWN JR., *Governor*
CHARLTON H. BONHAM, *Director*

December 14, 2018

Ms. Dina Tasini
City of Dixon
660 East A Street
Dixon, CA 95620

Dear Ms. Tasini:

Subject: Dixon General Plan Update, Notice of Preparation of a Draft Environmental Impact Report, SCH #2018112035, City of Dixon, Solano County

The California Department of Fish and Wildlife (CDFW) reviewed the Notice of Preparation (NOP) of a draft Environmental Impact Report (EIR) provided for the Dixon General Plan Update (Project) located in the Dixon, Solano County. The NOP was received in our office on November 14, 2018.

CDFW is a Trustee Agency with responsibility under the California Environmental Quality Act (CEQA) §15386 for commenting on projects that could impact fish, plant and wildlife resources. CDFW is also considered a Responsible Agency if a project would require discretionary approval, such as the California Endangered Species Act (CESA) Permit, the Native Plant Protection Act, the Lake and Streambed Alteration Agreement (LSAA) and other provisions of the Fish and Game Code that afford protection to the State's fish and wildlife trust resources. Pursuant to our jurisdiction, CDFW has the following concerns, comments, and recommendations regarding the Project.

PROJECT DESCRIPTION

The Project consists of updating the Dixon General Plan to conform with changes in state policies and reevaluate land use designations to accommodate local economic growth and residential developments. When adopted, the new plan will guide development through 2040.

The plan focuses on three areas: promoting transit-oriented development in the Dixon Downtown area; conversion of agricultural open space to a mixed-use employment district in the Northeast Quadrant located at the northernmost portion of city limits; and promotion of growth and development in the specific plan for Southwest Dixon, also currently used as agriculture and open space.

The plan also designates "areas of concern" outside of city limits to the north, south and east to indicate areas for potential annexation and future development.

The CEQA Guidelines (§§15124 and 15378) require that the draft EIR incorporate a full project description, including reasonably foreseeable future phases of the Project, and that contains sufficient information to evaluate and review the project's environmental impact. Please include a complete description of the following Project components in the Project description:

- Footprints of permanent Project features and temporarily impacted areas, such as staging areas and access routes;
- Encroachments into riparian habitats, wetlands or other sensitive areas, particularly in the Southwest Dixon development area and "areas of concern" to the south.

ENVIRONMENTAL SETTING

Sufficient information regarding the environmental setting is necessary to understand the Project's, and its alternative's (if applicable), significant impacts on the environment (CEQA Guidelines, §§15125 and 15360). CDFW recommends that the CEQA document prepared for the Project provide baseline habitat assessments for special-status plant, fish and wildlife species located and potentially located within the Project area and surrounding lands, including all rare, threatened, or endangered species (CEQA Guidelines, §15380). Fully protected, threatened or endangered, candidate, and other special-status species that are known to occur, or have the potential to occur in or near the Project site, include, but are not limited to:

- Swainson's hawk (*Buteo swainsoni*), CESA listed threatened species;
- Burrowing owl (*Athene cunicularia*), CDFW species of special concern;
- Fairy shrimp (*Branchinecta lynch*), ESA listed threatened species; and
- Tricolored blackbird (*Agelaius tricolor*), CESA listed threatened species.

Habitat descriptions and species profiles should include information from multiple sources: aerial imagery, historical and recent survey data, field reconnaissance, scientific literature and reports, and findings from "positive occurrence" databases such as California Natural Diversity Database (CNDDB). Based on the data and information from the habitat assessment, the CEQA document can then adequately assess which special-status species are likely to occur in the Project vicinity.

CDFW recommends that prior to project implementation surveys be conducted for special-status species with potential to occur, following recommended survey protocols if available. Survey and monitoring protocols and guidelines are available at: https://www.wildlife.ca.gov/Conservation/Survey-Protocol.

Botanical surveys for special-status plant species, including those listed by the California Native Plant Society (http://www.cnps.org/cnps/rareplants/inventory/), must be conducted during the blooming period for all sensitive plant species potentially occurring within the Project area and require the identification of reference populations. Please refer to CDFW protocols for surveying and evaluating impacts to rare plants available at: https://www.wildlife.ca.gov/Conservation/Plants.

IMPACT ANALYSIS AND MITIGATION MEASURES

The CEQA Guidelines (§15126.2) necessitate that the draft EIR discuss all direct and indirect impacts (temporary and permanent) that may occur with implementation of the Project. This includes evaluating and describing impacts such as:

- Potential for "take" of special-status species;

- Direct and indirect impacts to fish and other aquatic species as a result of increased water usage in new commercial and residential developments;
- Loss or modification of breeding, nesting, dispersal and foraging habitat, including encroaching development on agricultural land supporting Swainson's hawk;
- Habitat modifications such as vegetation removal, alternation of soils and hydrology, and removal of habitat structural features (e.g. snags, roosts, overhanging banks), impacting any species identified as a candidate, sensitive, or special-status species; and
- Permanent and temporary habitat disturbances associated with ground disturbance, noise, lighting, reflection, air pollution, traffic or human presence.

The CEQA document also should identify reasonably foreseeable future projects in the Project vicinity, disclose any cumulative impacts associated with these projects, determine the significance of each cumulative impact, and assess the significance of the Project's contribution to the impact (CEQA Guidelines, §15355). Although a project's impacts may be insignificant individually, its contributions to a cumulative impact may be considerable; a contribution to a significant cumulative impact – e.g., reduction of available habitat for a listed species – should be considered cumulatively considerable without mitigation to minimize or avoid the impact.

Based on the comprehensive analysis of the direct, indirect, and cumulative impacts of the Project, the CEQA Guidelines (§§ 15021, 15063, 15071, 15126.2, 15126.4 and 15370) direct the lead agency to consider and describe all feasible mitigation measures to avoid potentially significant impacts in the draft EIR, and/or mitigate significant impacts of the Project on the environment. This includes a discussion of take avoidance and minimization measures for special-status species, which are recommended to be developed in early consultation with the U.S. Fish and Wildlife Service, the National Marine Fisheries Service and CDFW. These measures can then be incorporated as enforceable Project conditions to reduce potential impacts to biological resources to less-than-significant levels.

Fully protected species may not be taken or possessed at any time (Fish and Game Code § 3511). Therefore, the draft EIR is advised to include measures to ensure complete take avoidance of any fully protected species.

REGULATORY REQUIREMENTS

California Endangered Species Act

Please be advised that a CESA permit must be obtained if the project has the potential to result in "take" of plants or animals listed under CESA, either during construction or over the life of the project. Issuance of a CESA Permit is subject to CEQA documentation; the CEQA document must specify impacts, mitigation measures, and a mitigation monitoring and reporting program. If the Project will impact CESA listed species, early consultation is encouraged, as significant modification to the Project and mitigation measures may be required in order to obtain a CESA Permit.

CEQA requires a Mandatory Finding of Significance if a project is likely to substantially impact threatened or endangered species (CEQA §§ 21001(c), 21083, and CEQA Guidelines §§ 15380, 15064, 15065). Impacts must be avoided or mitigated to less-than-significant levels unless the CEQA Lead Agency makes and supports Findings of Overriding Consideration

(FOC). The CEQA Lead Agency's FOC does not eliminate the Project proponent's obligation to comply with Fish and Game Code § 2080.

Lake and Streambed Alteration Agreement
CDFW will require a LSAA, pursuant to Fish and Game Code §§ 1600 et. seq. for Project-related activities within any 1600-jurisdictional waters within the proposed Project area. Notification is required for any activity that will substantially divert or obstruct the natural flow; change or use material from the bed, channel, or bank including associated riparian or wetland resources; or deposit or dispose of material where it may pass into a river, lake or stream. Work within ephemeral streams, washes, watercourses with a subsurface flow, and floodplains are subject to notification requirements. CDFW, as a Responsible Agency under CEQA, will consider the CEQA document for the Project. CDFW may not execute the final LSAA until it has complied with CEQA (Public Resources Code § 21000 et seq.) as the responsible agency.

FILING FEES
CDFW anticipates that the Project will have an impact on fish and/or wildlife, and assessment of filing fees is necessary (Fish & Game Code, § 711.4; Pub. Resources Code, § 21089). Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW.

If you have any questions, please contact Ms. Deborah Waller, Environmental Scientist, at (707) 576-2880 or Deborah.Waller@wildlife.ca.gov; or Ms. Karen Weiss, Senior Environmental Scientist (Supervisory), at (707) 428-2090.

Sincerely,

Gregg Erickson

Gregg Erickson
Regional Manager
Bay Delta Region

cc: State Clearinghouse

December 18, 2018

RECEIVED
DEC 18 2018
CITY OF DIXON

Ms. Dina Tasini, Director
Community Development Department
600 East A Street
Dixon, CA 95620

Dear Ms. Tasini:

We would like the following comments made a part of the official public record regarding the scope and content of the Program Environmental Impact Report for the Dixon General Plan Update as outlined in the Notice of Preparation (NOP) dated November 13, 2018. The NOP makes a number of references to the Downtown Dixon Priority Development Area (PDA) Plan and highlights the PDA on the page showing the project location. However, specific boundaries of the PDA cannot be determined from that page. Furthermore, the referenced Plan for the PDA has been withheld by the City of Dixon despite repeated requests, on behalf of the public, by members of the General Plan Advisory Committee. Consequently, members of the public, particularly those residing and/or owning property within or near the PDA location, cannot determine whether or not the scope and content of the EIR will address all environmental issues and impacts that may be associated with the as yet undisclosed Plan.

Signature:	Address:
David Werrin	300 E. B. ST
Susan B. Werrin	300 East B Street
Martha M. Pearson	260 E. Maple Street
Ginger K. Emerson	190 E. Broadway Street, Dixon CA 95620

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT

December 18, 2018

Ms. Dina Tasini, Director
City of Dixon Community Development Department
600 East A Street
Dixon, CA 95620

Subject: City of Dixon General Plan Update Notice of Preparation

Dear Ms. Tasini:

The Yolo-Solano Air Quality Management District (District) appreciates the opportunity to comment on the Notice of Preparation (NOP) for the update to the City of Dixon's General Plan. The update will incorporate changes to the policy framework and land use designations intended to guide development and conservation through 2040. The update will also include policies and implementing actions for the Northeast Quadrant Specific Plan Area and the Southwest Dixon Specific Plan Area.

The District has the following comments:

Air Quality Analysis

The District has published the *Handbook for Assessing and Mitigating Air Quality Impacts*. The Handbook contains guidance for assessing impacts to air quality and suggests thresholds of significance for the various criteria air pollutants. The District advises the City to consult the Handbook as a general guide when preparing the EIR for the update.

Cumulative Impacts

The Environmental Protection Agency (EPA) has included the District in the Sacramento Nonattainment Area (SFNA) for ozone, and the SFNA has prepared attainment plans for the various ozone standards. These plans rely on the growth assumptions in the applicable regional metropolitan transportation plans. To the extent that growth in future years exceeds the forecasts in the Metropolitan Transportation Plan ("Plan Bay Area 2040") prepared by the Metropolitan Transportation Commission and the Association of Bay Area Governments (ABAG), the SFNA's ability to attain the ozone standards by the appropriate deadlines could be affected. The air quality analysis in the EIR for the plan update should include an assessment of the cumulative impacts of the propose plan update. Part of this cumulative analysis should include a review of whether the proposed growth in the city is consistent with the growth assumptions in the most recent Metropolitan Transportation Plan.

Land Use

Within the District, reactive organic gases (ROG) and nitrogen oxides (NOx) are largely emitted by mobile sources. Since ROG and NOx are ozone precursors, it is important to limit excess mobile source emissions where possible. One way to reduce these emissions is through community design measures that reduce reliance on single-occupant vehicles and promote alternatives to conventional modes of transportation. As part of the air quality analysis, the General Plan Update EIR should discuss any measures such as infill development, transit infrastructure and/or bicycle and pedestrian infrastructure that will help minimize mobile source emissions as the city grows.

The EIR for the general plan update should also address whether new growth in future years will have the effect of placing residential development or sensitive receptors in proximity to any sources of toxic air contaminants. The District recommends consulting the Air Resources Board document titled "Land Use Handbook: A Community Health Perspective" when conducting this analysis. The analysis should also discuss how any potential impacts from toxic air contaminants will be mitigated to the extent possible.

Climate Change

The EIR for the plan update should include a climate change discussion that examines whether growth in Dixon would create greenhouse gas emissions (GHG) that would conflict with GHG reduction goals identified by the State. As part of this discussion, the EIR should identify any measures or proposed policies that will be put in place to limit overall GHG.

In closing, the District is available to work with the City to ensure a complete air quality analysis for the city's general plan update EIR. Please call Matt Jones, Planning Manager at (530) 757-3668 if you have any questions regarding this letter.

Sincerely,

Matthew R Jones

Matthew R. Jones
Planning Manager

Solano Local Agency Formation Commission
675 Texas St. Ste. 6700 • Fairfield, California 94533
(707) 439-3897 • FAX: (707) 438-1788

Original via USPS, copy via email

December 19, 2018

Dina Tasini, Director
Community Development Department
City of Dixon
600 East A Street
Dixon CA 95620
dtasini@ci.dixon.ca.us

Subject: Dixon General Plan - Notice of Preparation, Environmental Impact Report

Dear Ms. Tasini:

Thank you for the opportunity to comment on the City of Dixon's (City) Notice of Preparation (NOP) for the Environmental Impact Report (EIR) for the Dixon General Plan (Project). Pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines (Article 7 15096(d)), the Local Agency Formation Commission of Solano County (LAFCO) is a responsible agency. As a responsible agency, LAFCO should review and comment on environmental documents for projects which it would later be asked to approve such as city growth outside existing city boundary contemplated by the General Plan (GP).

The NOP indicates that the Project is a GP Update. It does not expressly include any consideration of a Sphere of Influence (SOI) Update for the City or of anticipated annexations contemplated by the GP. By excluding these discretionary LAFCO decisions from the scope of the Project, the City may be limiting the usefulness of the GP and EIR to support LAFCO actions necessary for City growth. For example, recently the City of Vacaville utilized their GP EIR for the SOI Update, and they are in the process of submitting an annexation application in which they reaffirmed their GP EIR. We recommend you expand the scope of the EIR to include the City's SOI Update and future anticipated annexations, especially in the next five years, to save time and money.

Commissioners
Harry Price, Chair • Jim Spering, Vice-Chair • Nancy Shopay • John Vasquez
Alternate Commissioners
Ron Kott • Shawn Smith • Skip Thomson
Staff
Rich Seithel, Executive Officer • Michelle McIntyre, Sr. Analyst • P. Scott Browne, Legal Counsel

Should the City decide to expand the scope of the EIR to support the City's future SOI Update and anticipated annexations, then the GP and EIR will have to take into account LAFCO's SOI and annexation requirements. Those needs and concerns are set forth in the following comments:

1) The Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 (CKH) Government Code Sections 56000 *et.seq.* governs LAFCO decision-making. CKH establishes that one of LAFCO's primary missions is to prevent premature conversion of prime agricultural land. CKH has its own definition of "Prime Agricultural Land." This definition is much broader than the standard often used by consultants in analyzing agricultural impacts. If the EIR for the GP Update is to be useful for LAFCO decision-making, then the EIR must provide information about prime agricultural lands and mitigations that are consistent with the LAFCO standard. CKH Government Code Section (GC §) 56064 defines prime agricultural land and it is attached for your reference.

2) CKH §56377 imposes a duty on LAFCO to discourage annexations that involve conversion of Prime Agricultural Land where there is adequate land for development within the existing city boundaries. In order for LAFCO to make the findings necessary to support annexation of Prime Agricultural Land to the City, LAFCO must have the following information:

    a. A detailed vacant land inventory within the City boundaries and within the proposed SOI that provides information on the zoning and probable development potential of each vacant parcel per §56425 (e)(1).

    b. A professional absorption analysis based on historical growth patterns in the City which determines how quickly the vacant land within the City is likely to be developed and how soon additional land will need to be added to the City to meet growth needs per LAFCO Standard No. 8.

3) The City should provide analysis and discussion with respect to the conversion of open space lands pursuant to GC §56377, "open space" as defined by GC §56064, §65560. City should provide an analysis of the availability of developable land located within the City limits and the proposed SOI that does not meet prime agricultural land or land devoted to open space uses as defined by LAFCO standards.

4) The City should provide analysis and discussion on the present and probable need for public facilities and services within City limits and proposed the SOI per §56425 (e)(1).

5) The City should provide analysis and discussion on the present capacity of public facilities and adequacy of public services the City provides within City limits and the proposed SOI per §56425 (e)(3). These services include but are not limited to: sewer, fire, police, water,

parks and recreation, storm water, animal control, public waste, etc. The analysis should consider the growth projected in the GP and explain how the City intends to fund and expand services to serve the growth.

6) LAFCO is required under §56668 (g) to consider with any annexation proposal, its impact and consistency with the Regional Transportation Plan. The GP Update and EIR should address regional transportation impacts of projected growth, including the impact on Interstate Highway 80.

7) Given the City's dependence on groundwater for its public water system, the EIR should address how the City intends to meet its obligations under the Sustainable Groundwater Management Act (SGMA) to achieve sustainability in groundwater consumption by the deadlines established in the Act, while continuing to grow.

8) The City should provide analysis and discussion with respect to the existence of any social or economic communities of interest and any disadvantaged unincorporated communities (DUC) as defined by GC §56033.5 within the City's proposed SOI.

9) LAFCO is required under §56668 (m) to consider with any annexation proposal: "The extent to which the proposal will affect a city or cities and the county in achieving their respective fair shares of the regional housing needs as determined by the appropriate council of governments consistent with Article 10.6 (commencing with Section 65580) of Chapter 3 of Division 1 of Title 7." To assist LAFCO in complying with this requirement, the GP and EIR should address the GP's impact on regional housing needs.

10) The City should identify any islands of unincorporated territory within the City that meet the criteria set forth by GC §56375.3.

11) The City should identify their proposed "Near and Long Term Sphere" areas. Solano LAFCO defines Near Term Sphere as areas the City anticipates to annex in the next five years. Long Term Sphere is defined as consisting of unincorporated territory that is more likely to be annexed within 5-20 years.

12) LAFCO's Sphere of Influence Policy discourages inclusion of land in an agency's Long Term SOI if a need for services provided by that agency within a 5-20 year period cannot be demonstrated. To demonstrate that a proposed SOI amendment is timely, the City should indicate the expected absorption and development rates for lands within the proposed SOI.

13) The City should provide analysis and discussion on the purpose of the proposed Area of Concern. The City should provide to LAFCO the specific reason to request special consideration of these areas as required by LAFCO's Sphere of Influence Policy.

14) The City should identify on an exhibit the total number of acres in their proposed Short Term Sphere, Long Term Sphere, and Area of Concern and amount of acreage that meets the CKH definition of "Prime Agricultural Land."

15) The City should identify all lands under a Williamson Act contract within the City's proposed SOI. Lands under a Williamson Act contract should be identified on a list by parcel as well as on a map exhibit. The City should provide information on the status of the individual contracts. Note that pursuant to GC §56426.6, the LAFCO Commission cannot approve a change to the City's SOI of territory that is subject to a Williamson Act contract unless it meets specific criterion.

16) The City should identify the Vacaville-Dixon Greenbelt Area in relation to Dixon's General Plan Planning area, City limits, and SOI on a map exhibit. The City should provide analysis and discussion on the GP's compliance with the Vacaville-Dixon Greenbelt Joint Powers Agreement.

17) The City should provide analysis and discussion with respect to the City's current and proposed job-housing balance ratio. The City should cite their source for the data used in calculating its projection.

18) The City should provide analysis and discussion on their proposed land-use consistency with the Solano County Airport Land Use Commission's Policies in relation to Travis Air Force Base (TAFB) and the TAFB Sustainability Study.

We appreciate the opportunity to comment on the subject environmental document. We hope you consider our comments of increasing the scope of the EIR to address LAFCO's SOI and annexation needs so that the EIR is useful in streamlining future annexation projects. Please contact LAFCO staff should you have any questions.

Sincerely,

Michelle McIntyre, MPA
LAFCO Sr. Analyst
(707) 439-3898
mmcintyre@solanolafco.com

Attachment: GC §56064

cc: Solano County Administrator, Resource Management

Supervisor Skip Thomson
Supervisor John Vasquez
Solano Transportation Authority
City of Vacaville
Solano Irrigation District
Solano Airport Land Use Commission
Solano County Ag Commissioner
Solano Land Trust

"Prime agricultural land"

56064. "Prime agricultural land" means an area of land, whether a single parcel or contiguous parcels, that has not been developed for a use other than an agricultural use and that meets any of the following qualifications:

(a) Land that qualifies, if irrigated, for rating as class I or class II in the USDA Natural Resources Conservation Service land use capability classification, whether or not land is actually irrigated, provided that irrigation is feasible.

(b) Land that qualifies for rating 80 through 100 Storie Index Rating.

(c) Land that supports livestock used for the production of food and fiber and that has an annual carrying capacity equivalent to at least one animal unit per acre as defined by the United States Department of Agriculture in the National Range and Pasture Handbook, Revision 1, December 2003.

(d) Land planted with fruit or nut-bearing trees, vines, bushes, or crops that have a nonbearing period of less than five years and that will return during the commercial bearing period on an annual basis from the production of unprocessed agricultural plant production not less than four hundred dollars ($400) per acre.

(e) Land that has returned from the production of unprocessed agricultural plant products an annual gross value of not less than four hundred dollars ($400) per acre for three of the previous five calendar years.

Dina Tasini
Community Development Department
City of Dixon
600 East A Street
Dixon, CA 95620

DEPARTMENT OF TRANSPORTATION
DISTRICT 4
OFFICE OF TRANSIT AND COMMUNITY PLANNING
P.O. BOX 23660, MS-10D
OAKLAND, CA 94623-0660
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www.dot.ca.gov

Making Conservation a California Way of Life

February 1, 2019

SCH # 2018112035
GTS # 04-SOL-2018-00119
GTS I.D. 13448
SOL - 113 – 19.098

Dina Tasini, Community Development Director
Community Development Department
City of Dixon
600 East A Street
Dixon, CA 95620

Dixon General Plan Update – Notice of Preparation (NOP)

Dear Dina Tasini:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. In tandem with the Metropolitan Transportation Commission's (MTC) Sustainable Communities Strategy (SCS), Caltrans' mission signals a modernization of our approach to evaluate and mitigate impacts to the State Transportation Network (STN). Caltrans' Strategic Management Plan 2015-2020 aims to reduce Vehicle Miles Traveled (VMT) by tripling bicycle and doubling both pedestrian and transit travel by 2020. Our comments are based on the review of the NOP.

Project Understanding

The updated Dixon General Plan (General Plan) will focus on incorporating changes to the policy framework and land use designations intended to guide development and conservation through 2040 and complying with new State regulations for addressing geologic hazards, flooding, wildland and urban fires, and environmental justice. The General Plan will include policies and implementing actions designed to catalyze job-generating development in the Northeast Quadrant Specific Plan Area and to support residential development in the Southwest Dixon Specific Plan Area. Elements of the General Plan that will be reviewed are: Land Use, Circulation, Conservation, Open-Space, Noise, Safety, Environmental Justice, Economic Development, and Air Quality. Under the General Plan, future growth and development will be focused in the Southwest Specific Plan Area, the Northeast Quadrant Specific Plan Area, the Downtown Priority Development Area (PDA), and the State Route (SR) 113 corridor north of downtown. No expansion beyond the City's existing sphere of influence (SOI) is planned, although expansion into "Areas of Concern" may be possible.

Clarification
Please clarify:

- Will the Northeast and Southwest Quadrant Specific Plans also be amended?
- How will the General Plan relate to the Specific Plans?
- If the Specific Plans have not been amended, what is the proposed schedule regarding updating these plans?
- What will be the land-use designations and intensity of development in the Specific Plan Areas?

Vehicle Miles Traveled (VMT)
With the enactment of Senate Bill (SB) 743, Caltrans is switching to VMT as its metric for transportation impacts. We suggest that the City also adopt VMT, and establish VMT thresholds for the proposed General Plan Update and its associated projects.

Analysis of alternatives should discuss buildout of potential transit improvement projects proposed for the horizon period of this General Plan. This should address implementing and improving bus services within the PDA, between Specific Plan Areas and the PDA, and to regional transit centers such as the Davis and Fairfield/Vacaville Amtrak Stations.

Multimodal Planning
Following the recently completed shared-use path along Pitt School Road by the Solano Transportation Authority (STA), the *Caltrans District 4 Bike Plan (Bike Plan)* identifies a project to connect two continuous Class II bike lanes on Pitt School Road between Vacaville and Dixon. The *Bike Plan* identifies Interstate 80 in the City of Dixon as a higher (four on a zero to four scale) Level of Traffic Stress (LTS) segment. Reducing LTS is an important factor in meeting Caltrans *Strategic Management Plan* goals and reducing local and regional VMT. The Draft Environmental Impact Report (DEIR) should identify further how cumulative impacts affecting cyclists and pedestrians will be analyzed and mitigated.

Traffic Impact Fees
Please identify project-generated travel demand and estimate the costs of transit and active transportation improvements necessitated by the proposed General Plan and Capital Improvement Plan; viable funding sources such as development and/or transportation impact fees should also be identified and incorporated in the General Plan. We encourage a sufficient allocation of fair share contributions toward multimodal and regional transit improvements to fully mitigate cumulative impacts to regional transportation.

The City should also ensure that the cost of needed improvements, funding sources, and a scheduled plan for implementation is incorporated into the capital improvement plan as part of the environmental process. Caltrans welcomes the opportunity to work with the City and local partners to secure the funding for needed mitigation. Traffic mitigation and cooperative agreements are examples of such collaborative measures.

Traffic Demand Management (TDM)
From Caltrans' *Smart Mobility 2010: A Call to Action for the New Decade*, the City of Dixon is identified as **Place Type 5a: Rural Towns** where location efficiency factors, such as community design, are moderate to high and regional accessibility is low.

The General Plan evaluates mixed use developments in the northeast quadrant of the city, as well as along SR 113 north of the railway tracks. This has potential to dramatically increase the VMT on the STN. The DEIR should include robust TDM Programs for associated projects to reduce VMT and greenhouse gas emissions. Such measures will be critical in order to facilitate efficient access to and from the Plan Area and reduce transportation impacts associated with the General Plan. Some examples of measures that will promote smart mobility and reduce regional VMT are:

- Reducing headway times of Solano Express Route B between Dixon and Sacramento, and connecting Amtrak stations;
- Project design to encourage walking, bicycling and transit access;
- Transit and trip planning resources such as a commute information kiosk;
- Real-time transit information system;
- Transit subsidies on an ongoing basis;
- Ten percent vehicle parking reductions;
- Charging stations and designated parking spaces for electric vehicles;
- Carpool and clean-fuel parking spaces;
- Designated parking spaces for a car share program;
- Unbundled parking;
- Showers, changing rooms and clothing lockers for employees that commute via active transportation;
- Emergency Ride Home program;
- Employee transportation coordinator;
- Secured bicycle storage facilities;
- Fix-it bicycle repair station(s);
- Bicycle route mapping resources;
- Participation/Formation in/of a Transportation Management Association (TMA) in partnership with other developments in the area; and
- Aggressive trip reduction targets with monitoring and enforcement by the City.

TDM programs should be documented with annual monitoring reports by an onsite TDM coordinator to demonstrate effectiveness. If the General Plan does not achieve the VMT reduction goals, the reports should also include next steps to take in order to achieve those targets. Also, reducing parking supply can encourage active forms of transportation, reduce regional VMT, and lessen future transportation impacts on State facilities. These smart growth approaches are consistent with the MTC's Regional Transportation Plan/SCS goals and would meet Caltrans Strategic Management Plan sustainability goals. For additional TDM options, please refer to the Federal Highway Administration's Integrating Demand Management into the Transportation Planning Process: A Desk Reference (Chapter 8). The reference is available online at:
http://www.ops.fhwa.dot.gov/publications/fhwahop12035/fhwahop12035.pdf.

The City will need to gain a determination of conformity from the STA to determine that the General Plan is consistent with and conforms to the Regional Transportation Plan Consistency Requirements of the Counties Congestion Management Plan (CMP).

CEQA Streamlining
As part of SB 375, a streamlined process for CEQA review was established for certain types of development. Since some streamlining provisions would essentially exempt project level analysis of impacts to the STN, potential direct and cumulative STN impacts should be analyzed and mitigated by the General Plan and associated documents. Caltrans has a common interest with the City to see that STN safety impacts and other operational deficiencies are addressed to preserve mobility to, from, and within the City. By addressing impacts at the General Plan level, Caltrans and the City can ensure that those impacts are mitigated or avoided, while also providing streamlining benefits at the project level.

Encroachment Permit
Please be advised that any work or traffic control that encroaches onto the state right-of-way requires an encroachment permit that is issued by the Department. To apply, a completed encroachment permit application, environmental documentation, and five (5) sets of plans clearly indicating state right-of-way must be submitted to: Office of Permits, California DOT, District 4, P.O. Box 23660, Oakland, CA 94623-0660. Traffic-related mitigation measures should be incorporated into the construction plans during the encroachment permit process. See the website link below for more information: http://www.dot.ca.gov/hq/traffops/developserv/permits/.

Lead Agency
As the Lead Agency, the City of Dixon is responsible for all project mitigation, including any needed improvements to the STN. The project's fair share contribution, financing, scheduling, implementation responsibilities and Lead Agency monitoring should be fully discussed for all proposed mitigation measures. Furthermore, since this project meets the criteria to be deemed of statewide, regional, or areawide significance per CEQA Guidelines Section 15206, the DEIR should be submitted to MTC and STA for review and comment.

Thank you again for including Caltrans in the environmental review process. Should you have any questions regarding this letter, please contact Danny Fung at danny.fung@dot.ca.gov.

Sincerely,

PATRICIA MAURICE
District Branch Chief
Local Development - Intergovernmental Review

c: State Clearinghouse

DYETT & BHATIA
Urban and Regional Planners

M E M O R A N D U M

To:	Dina Tasini, Community Development Director, City of Dixon
From:	Andrew Hill and Julia Malmo-Laycock, Dyett & Bhatia
Re:	City of Dixon General Plan Update EIR – Summary of Scoping Comments
Date:	December 22, 2018

This memo summarizes oral comments received at the December 18, 2018 Scoping Meeting for the Dixon General Plan Update Environmental Impact Report (EIR). The comments are summarized below, and are organized thematically.

SUMMARY OF ORAL COMMENTS

Agricultural Impacts

- One commenter expressed concern regarding the designation of Areas of Concern referenced in the NOP. These areas are currently used for intensive agricultural activities and their designation as Areas of Concern could threaten continued agricultural activities on or adjacent to the sites in question. This is a potential impact that should be considered in the EIR. The commenter expressed opposition to the inclusion of Areas of Concern in the General Plan and recommended permanent agricultural land protections for these areas as a mitigation strategy for impacts related to the conversion of agricultural lands to non-agricultural uses.

Park Impacts

- A request was made that existing and planned parkland be identified on the basis of the latest available information and used as the basis for assessing associated impacts.
- A request was made that access to parks be analyzed in the EIR, including the safety of bicyclists and pedestrians accessing the park and neighborhood impacts related to air and noise pollution from vehicles accessing parks that could affect neighbors in homes in the vicinity of parks.

PDA Plan Boundaries

- A request was made that the precise boundaries of the Downtown Priority Development Area PDA be shown clearly in the EIR and the potential impacts associated with development in this portion of the city be evaluated.

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San Francisco, CA 94111 | F 415 956 7315
www.dyettandbhatia.com

Pedestrian and Bicycle Safety

- Several commenters indicated that pedestrian and bicycle safety, particularly for senior citizens, be considered in the EIR. A suggestion was made that traffic impacts be analyzed in a holistic fashion that includes impacts to pedestrians and cyclists.

Appendix B: Air Quality and Greenhouse Gas Data

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Dixon Operational Emissions - Existing (2018)

Solano-Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	5,241.00	Dwelling Unit	1,701.62	9,433,800.00	14989
Apartments Mid Rise	1,310.00	Dwelling Unit	34.47	1,310,000.00	3747
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Elementary School	5,174.93	1000sqft	118.80	5,174,928.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
City Park	110.50	Acre	110.50	4,813,380.00	0
Government Office Building	7,318.08	1000sqft	168.00	7,318,080.00	0
General Office Building	736.16	1000sqft	16.90	736,164.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	127.84	Room	4.26	185,626.00	0
Supermarket	3,053.56	1000sqft	70.10	3,053,556.00	0
Strip Mall	2,160.58	1000sqft	49.60	2,160,576.00	0
Regional Shopping Center	1,354.72	1000sqft	31.10	1,354,716.00	0
General Heavy Industry	14,217.98	1000sqft	326.40	14,217,980.00	0
Unrefrigerated Warehouse-No Rail	1,925.35	1000sqft	44.20	1,925,352.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2018

Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	210	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2017 (latest year for which verified data available) PG&E pounds of CO2/MWh.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Demolition - No construction.

Trips and VMT - No construction.

On-road Fugitive Dust - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match exising VMT from traffic data.

Woodstoves - No woodstoves.

Energy Use -

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Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Summer

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Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Summer

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tblVehicleTrips	CC_TL	5.00	10.46
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tblVehicleTrips	CC_TTP	43.00	100.00
tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	95.00	100.00
tblVehicleTrips	CC_TTP	64.70	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CC_TTP	74.50	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00

tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00

tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	19.40	0.00
tblVehicleTrips	CW_TTP	52.00	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00

tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	44.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HW_TL	10.00	10.46
tblVehicleTrips	HW_TL	10.00	10.46
tblVehicleTrips	HW_TL	10.00	10.46
tblVehicleTrips	HW_TTP	46.00	100.00

tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	44.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	64.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	6.39	0.25
tblVehicleTrips	ST_TR	22.75	0.88
tblVehicleTrips	ST_TR	1.50	0.06
tblVehicleTrips	ST_TR	2.46	0.09
tblVehicleTrips	ST_TR	8.19	0.32
tblVehicleTrips	ST_TR	46.55	1.79
tblVehicleTrips	ST_TR	8.96	0.35
tblVehicleTrips	ST_TR	5.00	0.19
tblVehicleTrips	ST_TR	10.37	0.40
tblVehicleTrips	ST_TR	49.97	1.93
tblVehicleTrips	ST_TR	9.91	0.38
tblVehicleTrips	ST_TR	42.04	1.62
tblVehicleTrips	ST_TR	177.59	6.84
tblVehicleTrips	ST_TR	1.68	0.06
tblVehicleTrips	SU_TR	5.86	0.23
tblVehicleTrips	SU_TR	16.74	0.65
tblVehicleTrips	SU_TR	1.50	0.06
tblVehicleTrips	SU_TR	1.05	0.04
tblVehicleTrips	SU_TR	5.95	0.23
tblVehicleTrips	SU_TR	25.49	0.98

tblVehicleTrips	SU_TR	1.55	0.06
tblVehicleTrips	SU_TR	4.36	0.17
tblVehicleTrips	SU_TR	36.63	1.41
tblVehicleTrips	SU_TR	25.24	0.97
tblVehicleTrips	SU_TR	8.62	0.33
tblVehicleTrips	SU_TR	20.43	0.79
tblVehicleTrips	SU_TR	166.44	6.41
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	6.65	0.26
tblVehicleTrips	WD_TR	1.89	0.07
tblVehicleTrips	WD_TR	15.43	0.59
tblVehicleTrips	WD_TR	1.50	0.06
tblVehicleTrips	WD_TR	11.03	0.43
tblVehicleTrips	WD_TR	68.93	2.66
tblVehicleTrips	WD_TR	8.17	0.31
tblVehicleTrips	WD_TR	56.24	2.17
tblVehicleTrips	WD_TR	36.13	1.39
tblVehicleTrips	WD_TR	4.99	0.19
tblVehicleTrips	WD_TR	9.11	0.35
tblVehicleTrips	WD_TR	42.70	1.65
tblVehicleTrips	WD_TR	9.52	0.37
tblVehicleTrips	WD_TR	44.32	1.71
tblVehicleTrips	WD_TR	102.24	3.94
tblVehicleTrips	WD_TR	1.68	0.06
tblWoodstoves	NumberCatalytic	65.50	0.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	131.03	0.00

tblWoodstoves	NumberNoncatalytic	65.50	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	131.03	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5,415.7562	66.5316	5,195.7237	7.4531		639.3517	639.3517		639.3517	639.3517	62,432.6393	16,805.0320	79,237.6713	1.2967	5.7987	80,998.1116
Energy	25.7649	231.5762	177.3134	1.4054		17.8012	17.8012		17.8012	17.8012		281,072.0435	281,072.0435	5.3872	5.1530	282,742.3141
Mobile	163.8148	803.1642	1,931.6235	6.1903	25,737.4677	6.8280	25,744.2956	2,633.2735	6.4458	2,639.7194		625,040.3972	625,040.3972	27.2591		625,721.8738
Total	**5,605.3359**	**1,101.2720**	**7,304.6607**	**15.0488**	**25,737.4677**	**663.9809**	**26,401.4486**	**2,633.2735**	**663.5988**	**3,296.8723**	**62,432.6393**	**922,917.4727**	**985,350.1120**	**33.9430**	**10.9517**	**989,462.2996**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5,415.7562	66.5316	5,195.7237	7.4531		639.3517	639.3517		639.3517	639.3517	62,432.6393	16,805.0320	79,237.6713	1.2967	5.7987	80,998.1116
Energy	25.7649	231.5762	177.3134	1.4054		17.8012	17.8012		17.8012	17.8012		281,072.0435	281,072.0435	5.3872	5.1530	282,742.3141
Mobile	163.8148	803.1642	1,931.6235	6.1903	25,737.4677	6.8280	25,744.2956	2,633.2735	6.4458	2,639.7194		625,040.3972	625,040.3972	27.2591		625,721.8738
Total	**5,605.3359**	**1,101.2720**	**7,304.6607**	**15.0488**	**25,737.4677**	**663.9809**	**26,401.4486**	**2,633.2735**	**663.5988**	**3,296.8723**	**62,432.6393**	**922,917.4727**	**985,350.1120**	**33.9430**	**10.9517**	**989,462.2996**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	163.8148	803.1642	1,931.6235	6.1903	25,737.4677	6.8280	25,744.2956	2,633.2735	6.4458	2,639.7194		625,040.3972	625,040.3972	27.2591		625,721.8738
Unmitigated	163.8148	803.1642	1,931.6235	6.1903	25,737.4677	6.8280	25,744.2956	2,633.2735	6.4458	2,639.7194		625,040.3972	625,040.3972	27.2591		625,721.8738

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	340.60	327.50	301.30	1,268,313	1,268,313
City Park	7.74	97.24	71.83	112,994	112,994
Elementary School	3,053.21	0.00	0.00	8,303,503	8,303,503
General Heavy Industry	853.08	853.08	853.08	3,248,046	3,248,046
General Office Building	316.55	66.25	29.45	912,945	912,945
Government Office Building	19,466.09	0.00	0.00	52,939,986	52,939,986
Hotel	39.63	40.91	29.40	146,025	146,025
Library	34.31	28.30	15.49	117,123	117,123
Medical Office Building	14.02	3.53	0.61	40,369	40,369
Mobile Home Park	9.12	9.12	8.16	34,202	34,202
Place of Worship	169.23	193.41	681.76	936,259	936,259
Regional Shopping Center	2,235.28	2,614.60	1314.07	8,215,957	8,215,957
Single Family Housing	1,939.17	1,991.58	1729.53	7,297,753	7,297,753
Strip Mall	3,694.58	3,500.13	1706.86	12,879,978	12,879,978
Supermarket	12,031.01	20,886.32	19573.29	54,726,331	54,726,331
Unrefrigerated Warehouse-No Rail	115.52	115.52	115.52	439,840	439,840
Total	44,319.14	30,727.50	26,430.34	151,619,623	151,619,623

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.46	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	10.46	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	10.46	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
City Park	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Elementary School	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
General Heavy Industry	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
General Office Building	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Government Office Building	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Hotel	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Library	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Medical Office Building	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Mobile Home Park	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Place of Worship	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Regional Shopping Center	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Single Family Housing	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Strip Mall	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Supermarket	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Unrefrigerated Warehouse-No Rail	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	25.7649	231.5762	177.3134	1.4054		17.8012	17.8012		17.8012	17.8012		281,072.0435	281,072.0435	5.3872	5.1530	282,742.3141
NaturalGas Unmitigated	25.7649	231.5762	177.3134	1.4054		17.8012	17.8012		17.8012	17.8012		281,072.0435	281,072.0435	5.3872	5.1530	282,742.3141

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	31007.3	0.3344	2.8575	1.2160	0.0182		0.2310	0.2310		0.2310	0.2310		3,647.9225	3,647.9225	0.0699	0.0669	3,669.6003
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	261440	2.8195	25.6314	21.5304	0.1538		1.9480	1.9480		1.9480	1.9480		30,757.6704	30,757.6704	0.5895	0.5639	30,940.4478
General Heavy Industry	1.02759e+006	11.0819	100.7441	84.6251	0.6045		7.6566	7.6566		7.6566	7.6566		120,892.9291	120,892.9291	2.3171	2.2164	121,611.3353
General Office Building	33016.5	0.3561	3.2369	2.7190	0.0194		0.2460	0.2460		0.2460	0.2460		3,884.2884	3,884.2884	0.0745	0.0712	3,907.3708
Government Office Building	328211	3.5395	32.1775	27.0291	0.1931		2.4455	2.4455		2.4455	2.4455		38,613.0442	38,613.0442	0.7401	0.7079	38,842.5022
Hotel	22534.5	0.2430	2.2093	1.8558	0.0133		0.1679	0.1679		0.1679	0.1679		2,651.1162	2,651.1162	0.0508	0.0486	2,666.8705
Library	1142.65	0.0123	0.1120	0.0941	6.7000e-004		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003		134.4296	134.4296	2.5800e-003	2.4600e-003	135.2284
Medical Office Building	452.26	4.8800e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.2071	53.2071	1.0200e-003	9.8000e-004	53.5233
Mobile Home Park	2234.81	0.0241	0.2060	0.0876	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9184	262.9184	5.0400e-003	4.8200e-003	264.4808
Place of Worship	34945.6	0.3769	3.4260	2.8779	0.0206		0.2604	0.2604		0.2604	0.2604		4,111.2497	4,111.2497	0.0788	0.0754	4,135.6808
Regional Shopping Center	8796.38	0.0949	0.8624	0.7244	5.1700e-003		0.0655	0.0655		0.0655	0.0655		1,034.8677	1,034.8677	0.0198	0.0190	1,041.0174
Single Family Housing	417343	4.5008	38.4610	16.3664	0.2455		3.1096	3.1096		3.1096	3.1096		49,099.1577	49,099.1577	0.9411	0.9002	49,390.9294
Strip Mall	14028.9	0.1513	1.3754	1.1553	8.2500e-003		0.1045	0.1045		0.1045	0.1045		1,650.4642	1,650.4642	0.0316	0.0303	1,660.2721
Supermarket	188066	2.0282	18.4378	15.4878	0.1106		1.4013	1.4013		1.4013	1.4013		22,125.3631	22,125.3631	0.4241	0.4056	22,256.8430
Unrefrigerated Warehouse-No Rail	18304	0.1974	1.7945	1.5074	0.0108		0.1364	0.1364		0.1364	0.1364		2,153.4155	2,153.4155	0.0413	0.0395	2,166.2121
Total		**25.7649**	**231.5762**	**177.3134**	**1.4054**		**17.8012**	**17.8012**		**17.8012**	**17.8012**		**281,072.0435**	**281,072.0435**	**5.3872**	**5.1530**	**282,742.3141**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	31.0073	0.3344	2.8575	1.2160	0.0182		0.2310	0.2310		0.2310	0.2310		3,647.9225	3,647.9225	0.0699	0.0669	3,669.6003
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	261.44	2.8195	25.6314	21.5304	0.1538		1.9480	1.9480		1.9480	1.9480		30,757.6704	30,757.6704	0.5895	0.5639	30,940.4478
General Heavy Industry	1027.59	11.0819	100.7441	84.6251	0.6045		7.6566	7.6566		7.6566	7.6566		120,892.9291	120,892.9291	2.3171	2.2164	121,611.3353
General Office Building	33.0165	0.3561	3.2369	2.7190	0.0194		0.2460	0.2460		0.2460	0.2460		3,884.2884	3,884.2884	0.0745	0.0712	3,907.3708
Government Office Building	328.211	3.5395	32.1775	27.0291	0.1931		2.4455	2.4455		2.4455	2.4455		38,613.0442	38,613.0442	0.7401	0.7079	38,842.5022
Hotel	22.5345	0.2430	2.2093	1.8558	0.0133		0.1679	0.1679		0.1679	0.1679		2,651.1162	2,651.1162	0.0508	0.0486	2,666.8705
Library	1.14265	0.0123	0.1120	0.0941	6.7000e-004		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003		134.4296	134.4296	2.5800e-003	2.4600e-003	135.2284
Medical Office Building	0.45226	4.8800e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.2071	53.2071	1.0200e-003	9.8000e-004	53.5233
Mobile Home Park	2.23481	0.0241	0.2060	0.0876	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9184	262.9184	5.0400e-003	4.8200e-003	264.4808
Place of Worship	34.9456	0.3769	3.4260	2.8779	0.0206		0.2604	0.2604		0.2604	0.2604		4,111.2497	4,111.2497	0.0788	0.0754	4,135.6808
Regional Shopping Center	8.79638	0.0949	0.8624	0.7244	5.1700e-003		0.0655	0.0655		0.0655	0.0655		1,034.8677	1,034.8677	0.0198	0.0190	1,041.0174
Single Family Housing	417.343	4.5008	38.4610	16.3664	0.2455		3.1096	3.1096		3.1096	3.1096		49,099.1577	49,099.1577	0.9411	0.9002	49,390.9294
Strip Mall	14.0289	0.1513	1.3754	1.1553	8.2500e-003		0.1045	0.1045		0.1045	0.1045		1,650.4642	1,650.4642	0.0316	0.0303	1,660.2721
Supermarket	188.066	2.0282	18.4378	15.4878	0.1106		1.4013	1.4013		1.4013	1.4013		22,125.3631	22,125.3631	0.4241	0.4056	22,256.8430
Unrefrigerated Warehouse-No Rail	18.304	0.1974	1.7945	1.5074	0.0108		0.1364	0.1364		0.1364	0.1364		2,153.4155	2,153.4155	0.0413	0.0395	2,166.2121
Total		**25.7649**	**231.5762**	**177.3134**	**1.4054**		**17.8012**	**17.8012**		**17.8012**	**17.8012**		**281,072.0435**	**281,072.0435**	**5.3872**	**5.1530**	**282,742.3141**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5,415.7562	66.5316	5,195.7237	7.4531		639.3517	639.3517		639.3517	639.3517	62,432.6393	16,805.0320	79,237.6713	1.2967	5.7987	80,998.1116
Unmitigated	5,415.7562	66.5316	5,195.7237	7.4531		639.3517	639.3517		639.3517	639.3517	62,432.6393	16,805.0320	79,237.6713	1.2967	5.7987	80,998.1116

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	176.6037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,015.4167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4,206.4718	60.1324	4,643.6501	7.4241		636.3456	636.3456		636.3456	636.3456	62,432.6393	15,816.7059	78,249.3452	0.3032	5.7987	79,984.9471
Landscaping	17.2641	6.3993	552.0736	0.0290		3.0061	3.0061		3.0061	3.0061		988.3261	988.3261	0.9935		1,013.1645
Total	**5,415.7562**	**66.5316**	**5,195.7237**	**7.4531**		**639.3517**	**639.3517**		**639.3517**	**639.3517**	**62,432.6393**	**16,805.0320**	**79,237.6713**	**1.2967**	**5.7987**	**80,998.1116**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	176.6037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,015.4167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4,206.4718	60.1324	4,643.6501	7.4241		636.3456	636.3456		636.3456	636.3456	62,432.6393	15,816.7059	78,249.3452	0.3032	5.7987	79,984.9471
Landscaping	17.2641	6.3993	552.0736	0.0290		3.0061	3.0061		3.0061	3.0061		988.3261	988.3261	0.9935		1,013.1645
Total	**5,415.7562**	**66.5316**	**5,195.7237**	**7.4531**		**639.3517**	**639.3517**		**639.3517**	**639.3517**	**62,432.6393**	**16,805.0320**	**79,237.6713**	**1.2967**	**5.7987**	**80,998.1116**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - Existing (2018)

Solano-Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	5,241.00	Dwelling Unit	1,701.62	9,433,800.00	14989
Apartments Mid Rise	1,310.00	Dwelling Unit	34.47	1,310,000.00	3747
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Elementary School	5,174.93	1000sqft	118.80	5,174,928.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
City Park	110.50	Acre	110.50	4,813,380.00	0
Government Office Building	7,318.08	1000sqft	168.00	7,318,080.00	0
General Office Building	736.16	1000sqft	16.90	736,164.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	127.84	Room	4.26	185,626.00	0
Supermarket	3,053.56	1000sqft	70.10	3,053,556.00	0
Strip Mall	2,160.58	1000sqft	49.60	2,160,576.00	0
Regional Shopping Center	1,354.72	1000sqft	31.10	1,354,716.00	0
General Heavy Industry	14,217.98	1000sqft	326.40	14,217,980.00	0
Unrefrigerated Warehouse-No Rail	1,925.35	1000sqft	44.20	1,925,352.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2018

Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	210	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2017 (latest year for which verified data available) PG&E pounds of CO2/MWh.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Demolition - No construction.

Trips and VMT - No construction.

On-road Fugitive Dust - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match exising VMT from traffic data.

Woodstoves - No woodstoves.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	18,318,194.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	54,954,582.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	7,290,945.00	0.00

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tblArchitecturalCoating	ConstArea_Residential_Interior	21,872,835.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2819	12/30/2776
tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
tblLandUse	LandUseSquareFeet	5,174,930.00	5,174,928.00
tblLandUse	LandUseSquareFeet	185,626.58	185,626.00
tblLandUse	LandUseSquareFeet	3,053,560.00	3,053,556.00
tblLandUse	LandUseSquareFeet	2,160,580.00	2,160,576.00
tblLandUse	LandUseSquareFeet	1,354,720.00	1,354,716.00
tblLandUse	LandUseSquareFeet	14,218,000.00	14,217,980.00
tblLandUse	LandUseSquareFeet	1,925,350.00	1,925,352.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOnRoadDust	VendorPercentPave	94.00	0.00
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tblProjectCharacteristics	CO2IntensityFactor	641.35	210
tblTripsAndVMT	VendorTripNumber	7,499.00	0.00
tblTripsAndVMT	WorkerTripNumber	18,810.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,762.00	0.00
tblVehicleTrips	CC_TL	5.00	10.46

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tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CW_TL	10.00	0.00
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tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
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tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
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tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
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tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HW_TL	10.00	10.46
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tblVehicleTrips	HW_TL	10.00	10.46
tblVehicleTrips	HW_TTP	46.00	100.00

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tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
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tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	44.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00

tblVehicleTrips	PR_TP	86.00	100.00
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tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	6.39	0.25
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tblVehicleTrips	ST_TR	1.50	0.06
tblVehicleTrips	ST_TR	2.46	0.09
tblVehicleTrips	ST_TR	8.19	0.32
tblVehicleTrips	ST_TR	46.55	1.79
tblVehicleTrips	ST_TR	8.96	0.35
tblVehicleTrips	ST_TR	5.00	0.19
tblVehicleTrips	ST_TR	10.37	0.40
tblVehicleTrips	ST_TR	49.97	1.93
tblVehicleTrips	ST_TR	9.91	0.38
tblVehicleTrips	ST_TR	42.04	1.62
tblVehicleTrips	ST_TR	177.59	6.84
tblVehicleTrips	ST_TR	1.68	0.06
tblVehicleTrips	SU_TR	5.86	0.23
tblVehicleTrips	SU_TR	16.74	0.65
tblVehicleTrips	SU_TR	1.50	0.06
tblVehicleTrips	SU_TR	1.05	0.04
tblVehicleTrips	SU_TR	5.95	0.23
tblVehicleTrips	SU_TR	25.49	0.98

tblVehicleTrips	SU_TR	1.55	0.06
tblVehicleTrips	SU_TR	4.36	0.17
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tblVehicleTrips	SU_TR	8.62	0.33
tblVehicleTrips	SU_TR	20.43	0.79
tblVehicleTrips	SU_TR	166.44	6.41
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	6.65	0.26
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tblVehicleTrips	WD_TR	68.93	2.66
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tblVehicleTrips	WD_TR	1.68	0.06
tblWoodstoves	NumberCatalytic	65.50	0.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	131.03	0.00

tblWoodstoves	NumberNoncatalytic	65.50	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	131.03	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	391.5628	3.0414	240.0763	0.3070		26.3607	26.3607		26.3607	26.3607	2,322.1554	668.9891	2,991.1446	0.0924	0.2157	3,057.7275
Energy	4.7021	42.2627	32.3597	0.2565		3.2487	3.2487		3.2487	3.2487	0.0000	95,341.9707	95,341.9707	7.6320	2.2476	96,202.5639
Mobile	19.3829	111.8480	241.8169	0.7779	3,439.1895	0.9156	3,440.1051	351.6146	0.8644	352.4790	0.0000	71,301.8344	71,301.8344	3.2536	0.0000	71,383.1744
Waste						0.0000	0.0000		0.0000	0.0000	13,082.8041	0.0000	13,082.8041	773.1716	0.0000	32,412.0934
Water						0.0000	0.0000		0.0000	0.0000	2,079.5139	4,030.5891	6,110.1030	214.1426	5.1584	13,000.8682
Total	**415.6478**	**157.1520**	**514.2529**	**1.3414**	**3,439.1895**	**30.5250**	**3,469.7145**	**351.6146**	**30.4738**	**382.0885**	**17,484.4734**	**171,343.3834**	**188,827.8567**	**998.2922**	**7.6217**	**216,056.4274**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	391.5628	3.0414	240.0763	0.3070		26.3607	26.3607		26.3607	26.3607	2,322.1554	668.9891	2,991.1446	0.0924	0.2157	3,057.7275
Energy	4.7021	42.2627	32.3597	0.2565		3.2487	3.2487		3.2487	3.2487	0.0000	95,341.9707	95,341.9707	7.6320	2.2476	96,202.5639
Mobile	19.3829	111.8480	241.8169	0.7779	3,439.1895	0.9156	3,440.1051	351.6146	0.8644	352.4790	0.0000	71,301.8344	71,301.8344	3.2536	0.0000	71,383.1744
Waste						0.0000	0.0000		0.0000	0.0000	13,082.8041	0.0000	13,082.8041	773.1716	0.0000	32,412.0934
Water						0.0000	0.0000		0.0000	0.0000	2,079.5139	4,030.5891	6,110.1030	214.1426	5.1584	13,000.8682
Total	**415.6478**	**157.1520**	**514.2529**	**1.3414**	**3,439.1895**	**30.5250**	**3,469.7145**	**351.6146**	**30.4738**	**382.0885**	**17,484.4734**	**171,343.3834**	**188,827.8567**	**998.2922**	**7.6217**	**216,056.4274**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.3829	111.8480	241.8169	0.7779	3,439.1895	0.9156	3,440.1051	351.6146	0.8644	352.4790	0.0000	71,301.8344	71,301.8344	3.2536	0.0000	71,383.1744
Unmitigated	19.3829	111.8480	241.8169	0.7779	3,439.1895	0.9156	3,440.1051	351.6146	0.8644	352.4790	0.0000	71,301.8344	71,301.8344	3.2536	0.0000	71,383.1744

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	340.60	327.50	301.30	1,268,313	1,268,313
City Park	7.74	97.24	71.83	112,994	112,994
Elementary School	3,053.21	0.00	0.00	8,303,503	8,303,503
General Heavy Industry	853.08	853.08	853.08	3,248,046	3,248,046
General Office Building	316.55	66.25	29.45	912,945	912,945
Government Office Building	19,466.09	0.00	0.00	52,939,986	52,939,986
Hotel	39.63	40.91	29.40	146,025	146,025
Library	34.31	28.30	15.49	117,123	117,123
Medical Office Building	14.02	3.53	0.61	40,369	40,369
Mobile Home Park	9.12	9.12	8.16	34,202	34,202
Place of Worship	169.23	193.41	681.76	936,259	936,259
Regional Shopping Center	2,235.28	2,614.60	1314.07	8,215,957	8,215,957
Single Family Housing	1,939.17	1,991.58	1729.53	7,297,753	7,297,753
Strip Mall	3,694.58	3,500.13	1706.86	12,879,978	12,879,978
Supermarket	12,031.01	20,886.32	19573.29	54,726,331	54,726,331
Unrefrigerated Warehouse-No Rail	115.52	115.52	115.52	439,840	439,840
Total	44,319.14	30,727.50	26,430.34	151,619,623	151,619,623

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.46	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	10.46	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	10.46	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	0.00	10.46	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
City Park	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Elementary School	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
General Heavy Industry	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
General Office Building	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Government Office Building	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Hotel	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Library	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Medical Office Building	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Mobile Home Park	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Place of Worship	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Regional Shopping Center	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Single Family Housing	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Strip Mall	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Supermarket	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268
Unrefrigerated Warehouse-No Rail	0.566811	0.040074	0.175776	0.123292	0.023267	0.005872	0.009749	0.040408	0.003146	0.002541	0.007191	0.000605	0.001268

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	48,807.3417	48,807.3417	6.7401	1.3945	49,391.4029
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	48,807.3417	48,807.3417	6.7401	1.3945	49,391.4029
NaturalGas Mitigated	4.7021	42.2627	32.3597	0.2565		3.2487	3.2487		3.2487	3.2487	0.0000	46,534.6290	46,534.6290	0.8919	0.8531	46,811.1611
NaturalGas Unmitigated	4.7021	42.2627	32.3597	0.2565		3.2487	3.2487		3.2487	3.2487	0.0000	46,534.6290	46,534.6290	0.8919	0.8531	46,811.1611

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.13177e+007	0.0610	0.5215	0.2219	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	603.9545	603.9545	0.0116	0.0111	607.5435
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	9.54257e+007	0.5146	4.6777	3.9293	0.0281		0.3555	0.3555		0.3555	0.3555	0.0000	5,092.2773	5,092.2773	0.0976	0.0934	5,122.5381
General Heavy Industry	3.7507e+008	2.0224	18.3858	15.4441	0.1103		1.3973	1.3973		1.3973	1.3973	0.0000	20,015.1802	20,015.1802	0.3836	0.3669	20,134.1204
General Office Building	1.2051e+007	0.0650	0.5907	0.4962	3.5400e-003		0.0449	0.0449		0.0449	0.0449	0.0000	643.0875	643.0875	0.0123	0.0118	646.9091
Government Office Building	1.19797e+008	0.6460	5.8724	4.9328	0.0352		0.4463	0.4463		0.4463	0.4463	0.0000	6,392.8225	6,392.8225	0.1225	0.1172	6,430.8119
Hotel	8.22509e+006	0.0444	0.4032	0.3387	2.4200e-003		0.0306	0.0306		0.0306	0.0306	0.0000	438.9220	438.9220	8.4100e-003	8.0500e-003	441.5303
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	3.21068e+006	0.0173	0.1574	0.1322	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3340	171.3340	3.2800e-003	3.1400e-003	172.3521
Single Family Housing	1.5233e+008	0.8214	7.0191	2.9869	0.0448		0.5675	0.5675		0.5675	0.5675	0.0000	8,128.9162	8,128.9162	0.1558	0.1490	8,177.2223
Strip Mall	5.12057e+006	0.0276	0.2510	0.2109	1.5100e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.2529	273.2529	5.2400e-003	5.0100e-003	274.8767
Supermarket	6.86439e+007	0.3701	3.3649	2.8265	0.0202		0.2557	0.2557		0.2557	0.2557	0.0000	3,663.1020	3,663.1020	0.0702	0.0672	3,684.8700
Unrefrigerated Warehouse-No Rail	6.68097e+006	0.0360	0.3275	0.2751	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.5221	356.5221	6.8300e-003	6.5400e-003	358.6407
Total		**4.7021**	**42.2627**	**32.3597**	**0.2565**		**3.2487**	**3.2487**		**3.2487**	**3.2487**	**0.0000**	**46,534.6290**	**46,534.6290**	**0.8919**	**0.8531**	**46,811.1611**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.13177e+007	0.0610	0.5215	0.2219	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	603.9545	603.9545	0.0116	0.0111	607.5435
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	9.54257e+007	0.5146	4.6777	3.9293	0.0281		0.3555	0.3555		0.3555	0.3555	0.0000	5,092.2773	5,092.2773	0.0976	0.0934	5,122.5381
General Heavy Industry	3.7507e+008	2.0224	18.3858	15.4441	0.1103		1.3973	1.3973		1.3973	1.3973	0.0000	20,015.1802	20,015.1802	0.3836	0.3669	20,134.1204
General Office Building	1.2051e+007	0.0650	0.5907	0.4962	3.5400e-003		0.0449	0.0449		0.0449	0.0449	0.0000	643.0875	643.0875	0.0123	0.0118	646.9091
Government Office Building	1.19797e+008	0.6460	5.8724	4.9328	0.0352		0.4463	0.4463		0.4463	0.4463	0.0000	6,392.8225	6,392.8225	0.1225	0.1172	6,430.8119
Hotel	8.22509e+006	0.0444	0.4032	0.3387	2.4200e-003		0.0306	0.0306		0.0306	0.0306	0.0000	438.9220	438.9220	8.4100e-003	8.0500e-003	441.5303
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	3.21068e+006	0.0173	0.1574	0.1322	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3340	171.3340	3.2800e-003	3.1400e-003	172.3521
Single Family Housing	1.5233e+008	0.8214	7.0191	2.9869	0.0448		0.5675	0.5675		0.5675	0.5675	0.0000	8,128.9162	8,128.9162	0.1558	0.1490	8,177.2223
Strip Mall	5.12057e+006	0.0276	0.2510	0.2109	1.5100e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.2529	273.2529	5.2400e-003	5.0100e-003	274.8767
Supermarket	6.86439e+007	0.3701	3.3649	2.8265	0.0202		0.2557	0.2557		0.2557	0.2557	0.0000	3,663.1020	3,663.1020	0.0702	0.0672	3,684.8700
Unrefrigerated Warehouse-No Rail	6.68097e+006	0.0360	0.3275	0.2751	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.5221	356.5221	6.8300e-003	6.5400e-003	358.6407
Total		**4.7021**	**42.2627**	**32.3597**	**0.2565**		**3.2487**	**3.2487**		**3.2487**	**3.2487**	**0.0000**	**46,534.6290**	**46,534.6290**	**0.8919**	**0.8531**	**46,811.1611**

5.3 Energy by Land Use - Electricity

Unmitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	5.40814e+006	515.1490	0.0711	0.0147	521.3136
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	2.78929e+007	2,656.9178	0.3669	0.0759	2,688.7122
General Heavy Industry	1.17441e+008	11,186.7255	1.5448	0.3196	11,320.5933
General Office Building	1.31258e+007	1,250.2906	0.1727	0.0357	1,265.2524
Government Office Building	1.30481e+008	12,428.9240	1.7164	0.3551	12,577.6568
Hotel	1.41447e+006	134.7345	0.0186	3.8500e-003	136.3468
Library	130591	12.4393	1.7200e-003	3.6000e-004	12.5882
Medical Office Building	179798	17.1265	2.3700e-003	4.9000e-004	17.3315
Mobile Home Park	256948	24.4755	3.3800e-003	7.0000e-004	24.7684
Place of Worship	3.99384e+006	380.4310	0.0525	0.0109	384.9835
Regional Shopping Center	1.44819e+007	1,379.4660	0.1905	0.0394	1,395.9736
Single Family Housing	4.24027e+007	4,039.0415	0.5578	0.1154	4,087.3754
Strip Mall	2.30966e+007	2,200.0487	0.3038	0.0629	2,226.3759
Supermarket	1.25287e+008	11,934.1761	1.6481	0.3410	12,076.9884
Unrefrigerated Warehouse-No Rail	6.79649e+006	647.3958	0.0894	0.0185	655.1430
Total		**48,807.3417**	**6.7401**	**1.3945**	**49,391.4029**

5.3 Energy by Land Use - Electricity

Mitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	5.40814e+006	515.1490	0.0711	0.0147	521.3136
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	2.78929e+007	2,656.9178	0.3669	0.0759	2,688.7122
General Heavy Industry	1.17441e+008	11,186.7255	1.5448	0.3196	11,320.5933
General Office Building	1.31258e+007	1,250.2906	0.1727	0.0357	1,265.2524
Government Office Building	1.30481e+008	12,428.9240	1.7164	0.3551	12,577.6568
Hotel	1.41447e+006	134.7345	0.0186	3.8500e-003	136.3468
Library	130591	12.4393	1.7200e-003	3.6000e-004	12.5882
Medical Office Building	179798	17.1265	2.3700e-003	4.9000e-004	17.3315
Mobile Home Park	256948	24.4755	3.3800e-003	7.0000e-004	24.7684
Place of Worship	3.99384e+006	380.4310	0.0525	0.0109	384.9835
Regional Shopping Center	1.44819e+007	1,379.4660	0.1905	0.0394	1,395.9736
Single Family Housing	4.24027e+007	4,039.0415	0.5578	0.1154	4,087.3754
Strip Mall	2.30966e+007	2,200.0487	0.3038	0.0629	2,226.3759
Supermarket	1.25287e+008	11,934.1761	1.6481	0.3410	12,076.9884
Unrefrigerated Warehouse-No Rail	6.79649e+006	647.3958	0.0894	0.0185	655.1430
Total		**48,807.3417**	**6.7401**	**1.3945**	**49,391.4029**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	391.5628	3.0414	240.0763	0.3070		26.3607	26.3607		26.3607	26.3607	2,322.1554	668.9891	2,991.1446	0.0924	0.2157	3,057.7275
Unmitigated	391.5628	3.0414	240.0763	0.3070		26.3607	26.3607		26.3607	26.3607	2,322.1554	668.9891	2,991.1446	0.0924	0.2157	3,057.7275

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	32.2302					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	185.3135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	172.4653	2.4654	190.3897	0.3044		26.0902	26.0902		26.0902	26.0902	2,322.1554	588.2956	2,910.4511	0.0113	0.2157	2,975.0061
Landscaping	1.5538	0.5759	49.6866	2.6100e-003		0.2706	0.2706		0.2706	0.2706	0.0000	80.6935	80.6935	0.0811	0.0000	82.7215
Total	**391.5628**	**3.0414**	**240.0763**	**0.3070**		**26.3607**	**26.3607**		**26.3607**	**26.3607**	**2,322.1554**	**668.9891**	**2,991.1446**	**0.0924**	**0.2157**	**3,057.7275**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	32.2302					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	185.3135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	172.4653	2.4654	190.3897	0.3044		26.0902	26.0902		26.0902	26.0902	2,322.1554	588.2956	2,910.4511	0.0113	0.2157	2,975.0061
Landscaping	1.5538	0.5759	49.6866	2.6100e-003		0.2706	0.2706		0.2706	0.2706	0.0000	80.6935	80.6935	0.0811	0.0000	82.7215
Total	**391.5628**	**3.0414**	**240.0763**	**0.3070**		**26.3607**	**26.3607**		**26.3607**	**26.3607**	**2,322.1554**	**668.9891**	**2,991.1446**	**0.0924**	**0.2157**	**3,057.7275**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6,110.1030	214.1426	5.1584	13,000.8682
Unmitigated	6,110.1030	214.1426	5.1584	13,000.8682

7.2 Water by Land Use

Unmitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	85.3518 / 53.8087	89.0096	2.7897	0.0674	178.8501
City Park	0 / 131.659	43.8937	6.0600e-003	1.2500e-003	44.4190
Elementary School	150.057 / 385.861	253.5911	4.9181	0.1213	412.7017
General Heavy Industry	3287.91 / 0	2,737.7639	107.3707	2.5782	6,190.3195
General Office Building	130.84 / 80.1925	135.6831	4.2764	0.1034	273.3954
Government Office Building	1453.81 / 891.043	1,507.6150	47.5168	1.1485	3,037.7772
Hotel	3.24289 / 0.360321	2.8204	0.1059	2.5500e-003	6.2271
Library	0.494678 / 0.773727	0.6699	0.0162	4.0000e-004	1.1924
Medical Office Building	1.26484 / 0.240923	1.1335	0.0413	9.9000e-004	2.4627
Mobile Home Park	3.12739 / 1.97162	3.2614	0.1022	2.4700e-003	6.5533
Place of Worship	15.1288 / 23.663	20.4864	0.4951	0.0121	36.4672
Regional Shopping Center	100.348 / 61.5033	104.0615	3.2798	0.0793	209.6794
Single Family Housing	341.472 / 215.276	356.1065	11.1611	0.2698	715.5369
Strip Mall	160.04 / 98.0888	165.9629	5.2308	0.1264	334.4079
Supermarket	376.407 / 11.6415	317.3059	12.2926	0.2953	712.6079
Unrefrigerated Warehouse-No Rail	445.237 / 0	370.7381	14.5398	0.3491	838.2706
Total		**6,110.1030**	**214.1426**	**5.1584**	**13,000.8681**

7.2 Water by Land Use

Mitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	85.3518 / 53.8087	89.0096	2.7897	0.0674	178.8501
City Park	0 / 131.659	43.8937	6.0600e-003	1.2500e-003	44.4190
Elementary School	150.057 / 385.861	253.5911	4.9181	0.1213	412.7017
General Heavy Industry	3287.91 / 0	2,737.7639	107.3707	2.5782	6,190.3195
General Office Building	130.84 / 80.1925	135.6831	4.2764	0.1034	273.3954
Government Office Building	1453.81 / 891.043	1,507.6150	47.5168	1.1485	3,037.7772
Hotel	3.24289 / 0.360321	2.8204	0.1059	2.5500e-003	6.2271
Library	0.494678 / 0.773727	0.6699	0.0162	4.0000e-004	1.1924
Medical Office Building	1.26484 / 0.240923	1.1335	0.0413	9.9000e-004	2.4627
Mobile Home Park	3.12739 / 1.97162	3.2614	0.1022	2.4700e-003	6.5533
Place of Worship	15.1288 / 23.663	20.4864	0.4951	0.0121	36.4672
Regional Shopping Center	100.348 / 61.5033	104.0615	3.2798	0.0793	209.6794
Single Family Housing	341.472 / 215.276	356.1065	11.1611	0.2698	715.5369
Strip Mall	160.04 / 98.0888	165.9629	5.2308	0.1264	334.4079
Supermarket	376.407 / 11.6415	317.3059	12.2926	0.2953	712.6079
Unrefrigerated Warehouse-No Rail	445.237 / 0	370.7381	14.5398	0.3491	838.2706
Total		**6,110.1030**	**214.1426**	**5.1584**	**13,000.8681**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13,082.8041	773.1716	0.0000	32,412.0934
Unmitigated	13,082.8041	773.1716	0.0000	32,412.0934

8.2 Waste by Land Use

Unmitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	602.6	122.3224	7.2290	0.0000	303.0485
City Park	9.5	1.9284	0.1140	0.0000	4.7776
Elementary School	6727.41	1,365.6034	80.7049	0.0000	3,383.2247
General Heavy Industry	17630.3	3,578.7956	211.5008	0.0000	8,866.3147
General Office Building	684.63	138.9737	8.2131	0.0000	344.3015
Government Office Building	6805.81	1,381.5179	81.6454	0.0000	3,422.6522
Hotel	69.99	14.2073	0.8396	0.0000	35.1981
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	1422.46	288.7465	17.0644	0.0000	715.3573
Single Family Housing	6295.38	1,277.9053	75.5220	0.0000	3,165.9562
Strip Mall	2268.61	460.5073	27.2152	0.0000	1,140.8874
Supermarket	17222.1	3,495.9266	206.6033	0.0000	8,661.0102
Unrefrigerated Warehouse-No Rail	1809.83	367.3791	21.7115	0.0000	910.1663
Total		**13,082.8041**	**773.1716**	**0.0000**	**32,412.0934**

8.2 Waste by Land Use

Mitigated

Dixon Operational Emissions - Existing (2018) - Solano-Sacramento County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	602.6	122.3224	7.2290	0.0000	303.0485
City Park	9.5	1.9284	0.1140	0.0000	4.7776
Elementary School	6727.41	1,365.6034	80.7049	0.0000	3,383.2247
General Heavy Industry	17630.3	3,578.7956	211.5008	0.0000	8,866.3147
General Office Building	684.63	138.9737	8.2131	0.0000	344.3015
Government Office Building	6805.81	1,381.5179	81.6454	0.0000	3,422.6522
Hotel	69.99	14.2073	0.8396	0.0000	35.1981
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	1422.46	288.7465	17.0644	0.0000	715.3573
Single Family Housing	6295.38	1,277.9053	75.5220	0.0000	3,165.9562
Strip Mall	2268.61	460.5073	27.2152	0.0000	1,140.8874
Supermarket	17222.1	3,495.9266	206.6033	0.0000	8,661.0102
Unrefrigerated Warehouse-No Rail	1809.83	367.3791	21.7115	0.0000	910.1663
Total		**13,082.8041**	**773.1716**	**0.0000**	**32,412.0934**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - Proposed Plan (2040)

Solano-Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	7,591.00	Dwelling Unit	2,464.61	13,663,800.00	21710
Apartments Mid Rise	1,915.00	Dwelling Unit	50.39	1,915,000.00	5477
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
Elementary School	6,669.04	1000sqft	153.10	6,669,039.00	0
City Park	130.50	Acre	130.50	5,684,580.00	0
Government Office Building	2,291.26	1000sqft	52.60	2,291,256.00	0
General Office Building	888.62	1000sqft	20.40	888,624.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	146.56	Room	4.89	212,800.04	0
Supermarket	1,472.33	1000sqft	33.80	1,472,328.00	0
Strip Mall	3,406.39	1000sqft	78.20	3,406,392.00	0
Regional Shopping Center	25,682.97	1000sqft	589.60	25,682,972.00	0
General Heavy Industry	10,023.16	1000sqft	230.10	10,023,160.00	0
General Light Industry	8,881.88	1000sqft	203.90	8,881,884.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2040

Utility Company	Pacific Gas & Electric Company

CO2 Intensity (lb/MWhr)	152.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor includes RPS benefit up to 2030.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Trips and VMT - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match VMT resulting from implementation of the Proposed Plan.

Woodstoves - No woodstoves.

Energy Use -

Mobile Land Use Mitigation -

Energy Mitigation -

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,018,933.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	90,056,798.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	10,554,570.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	31,663,710.00	0.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2819	12/30/2776
tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
tblLandUse	LandUseSquareFeet	6,669,040.00	6,669,039.00
tblLandUse	LandUseSquareFeet	2,291,260.00	2,291,256.00
tblLandUse	LandUseSquareFeet	212,800.76	212,800.04
tblLandUse	LandUseSquareFeet	1,472,330.00	1,472,328.00
tblLandUse	LandUseSquareFeet	3,406,390.00	3,406,392.00
tblLandUse	LandUseSquareFeet	25,683,000.00	25,682,972.00
tblLandUse	LandUseSquareFeet	10,023,200.00	10,023,160.00
tblLandUse	LandUseSquareFeet	8,881,880.00	8,881,884.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	152.2
tblTripsAndVMT	VendorTripNumber	11,793.00	0.00
tblTripsAndVMT	WorkerTripNumber	28,374.00	0.00
tblTripsAndVMT	WorkerTripNumber	5,675.00	0.00
tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
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tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

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tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
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tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
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tblVehicleTrips	DV_TP	30.00	0.00
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tblVehicleTrips	HO_TTP	41.00	0.00
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tblVehicleTrips	HS_TTP	13.00	0.00
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tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HW_TL	10.00	9.87
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tblVehicleTrips	HW_TTP	46.00	100.00
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tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
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tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
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tblVehicleTrips	PB_TP	10.00	0.00

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
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tblVehicleTrips	ST_TR	6.39	0.22
tblVehicleTrips	ST_TR	22.75	0.77
tblVehicleTrips	ST_TR	1.50	0.05
tblVehicleTrips	ST_TR	1.32	0.04
tblVehicleTrips	ST_TR	2.46	0.08

tblVehicleTrips	ST_TR	8.19	0.28
tblVehicleTrips	ST_TR	46.55	1.57
tblVehicleTrips	ST_TR	8.96	0.30
tblVehicleTrips	ST_TR	5.00	0.17
tblVehicleTrips	ST_TR	10.37	0.35
tblVehicleTrips	ST_TR	49.97	1.69
tblVehicleTrips	ST_TR	9.91	0.33
tblVehicleTrips	ST_TR	42.04	1.42
tblVehicleTrips	ST_TR	177.59	6.00
tblVehicleTrips	SU_TR	5.86	0.20
tblVehicleTrips	SU_TR	16.74	0.57
tblVehicleTrips	SU_TR	1.50	0.05
tblVehicleTrips	SU_TR	0.68	0.02
tblVehicleTrips	SU_TR	1.05	0.04
tblVehicleTrips	SU_TR	5.95	0.20
tblVehicleTrips	SU_TR	25.49	0.86
tblVehicleTrips	SU_TR	1.55	0.05
tblVehicleTrips	SU_TR	4.36	0.15
tblVehicleTrips	SU_TR	36.63	1.24
tblVehicleTrips	SU_TR	25.24	0.85
tblVehicleTrips	SU_TR	8.62	0.29
tblVehicleTrips	SU_TR	20.43	0.69
tblVehicleTrips	SU_TR	166.44	5.62
tblVehicleTrips	WD_TR	6.65	0.22
tblVehicleTrips	WD_TR	1.89	0.06
tblVehicleTrips	WD_TR	15.43	0.52
tblVehicleTrips	WD_TR	1.50	0.05

tblVehicleTrips	WD_TR	6.97	0.24
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tblVehicleTrips	WD_TR	68.93	2.33
tblVehicleTrips	WD_TR	8.17	0.28
tblVehicleTrips	WD_TR	56.24	1.90
tblVehicleTrips	WD_TR	36.13	1.22
tblVehicleTrips	WD_TR	4.99	0.17
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tblVehicleTrips	WD_TR	42.70	1.44
tblVehicleTrips	WD_TR	9.52	0.32
tblVehicleTrips	WD_TR	44.32	1.50
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tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	189.78	0.00
tblWoodstoves	NumberNoncatalytic	95.75	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	189.78	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221
Energy	5.5892	50.1111	37.5481	0.3049		3.8616	3.8616		3.8616	3.8616	0.0000	103,341.4120	103,341.4120	10.2113	2.9074	104,463.1036
Mobile	9.0117	69.6153	109.6591	0.7214	4,749.1821	0.2797	4,749.4618	485.4772	0.2609	485.7381	0.0000	66,769.7681	66,769.7681	1.8684	0.0000	66,816.4777
Waste						0.0000	0.0000		0.0000	0.0000	17,641.7944	0.0000	17,641.7944	1,042.6002	0.0000	43,706.7988
Water						0.0000	0.0000		0.0000	0.0000	2,588.0313	3,717.2076	6,305.2390	266.5239	6.4230	14,882.3972
Total	**614.9644**	**124.3302**	**505.1391**	**1.5139**	**4,749.1821**	**44.4972**	**4,793.6793**	**485.4772**	**44.4785**	**529.9557**	**23,880.6117**	**174,795.7264**	**198,676.3381**	**1,322.4814**	**9.6424**	**234,611.7994**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221
Energy	4.8928	43.8716	32.9024	0.2669		3.3805	3.3805		3.3805	3.3805	0.0000	94,911.6379	94,911.6379	9.7862	2.7205	95,966.9867
Mobile	8.2535	65.7847	95.9075	0.6236	4,036.8048	0.2417	4,037.0465	412.6556	0.2254	412.8811	0.0000	57,740.0468	57,740.0468	1.6866	0.0000	57,782.2115
Waste						0.0000	0.0000		0.0000	0.0000	4,410.4486	0.0000	4,410.4486	260.6500	0.0000	10,926.6997
Water						0.0000	0.0000		0.0000	0.0000	2,329.2282	3,345.4869	5,674.7151	239.8715	5.7807	13,394.1575
Total	**613.5097**	**114.2600**	**486.7417**	**1.3781**	**4,036.8048**	**43.9781**	**4,080.7829**	**412.6556**	**43.9618**	**456.6175**	**10,390.4628**	**156,964.5101**	**167,354.9729**	**513.2720**	**8.8131**	**182,813.0774**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.24**	**8.10**	**3.64**	**8.97**	**15.00**	**1.17**	**14.87**	**15.00**	**1.16**	**13.84**	**56.49**	**10.20**	**15.77**	**61.19**	**8.60**	**22.08**

3.0 Construction Detail

Construction Phase

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Walkability Design

Improve Destination Accessibility

Improve Pedestrian Network

Provide Traffic Calming Measures

Implement NEV Network

Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.2535	65.7847	95.9075	0.6236	4,036.8048	0.2417	4,037.0465	412.6556	0.2254	412.8811	0.0000	57,740.0468	57,740.0468	1.6866	0.0000	57,782.2115
Unmitigated	9.0117	69.6153	109.6591	0.7214	4,749.1821	0.2797	4,749.4618	485.4772	0.2609	485.7381	0.0000	66,769.7681	66,769.7681	1.8684	0.0000	66,816.4777

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	421.30	421.30	383.00	1,493,939	1,269,848
City Park	7.83	100.49	74.39	109,844	93,367
Elementary School	3,467.90	0.00	0.00	8,899,326	7,564,427
General Heavy Industry	501.16	501.16	501.16	1,800,500	1,530,425
General Light Industry	2,131.65	355.28	177.64	5,743,758	4,882,194
General Office Building	328.79	71.09	35.54	898,472	763,702
Government Office Building	5,338.63	0.00	0.00	13,699,983	11,644,986
Hotel	41.04	41.04	29.31	141,411	120,199
Library	30.04	24.82	13.60	96,804	82,283
Medical Office Building	12.30	3.03	0.50	33,382	28,375
Mobile Home Park	8.16	8.16	7.20	28,824	24,500
Place of Worship	149.89	169.23	599.56	779,222	662,338
Regional Shopping Center	36,983.48	43,404.22	21830.53	128,388,088	109,129,875
Single Family Housing	2,429.12	2,505.03	2201.39	8,649,131	7,351,761
Strip Mall	5,109.59	4,837.08	2350.41	16,801,131	14,280,961
Supermarket	5,079.53	8,833.97	8274.48	21,815,836	18,543,460
Total	62,040.40	61,275.88	36,478.71	209,379,650	177,972,702

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
City Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Elementary School	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Heavy Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Light Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Government Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Hotel	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Library	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Medical Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Mobile Home Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Place of Worship	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Regional Shopping Center	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Single Family Housing	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Strip Mall	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Supermarket	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	46,489.8921	46,489.8921	8.8581	1.8327	47,257.4946
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	48,027.3532	48,027.3532	9.1511	1.8933	48,820.3410
NaturalGas Mitigated	4.8928	43.8716	32.9024	0.2669		3.3805	3.3805		3.3805	3.3805	0.0000	48,421.7459	48,421.7459	0.9281	0.8877	48,709.4921
NaturalGas Unmitigated	5.5892	50.1111	37.5481	0.3049		3.8616	3.8616		3.8616	3.8616	0.0000	55,314.0588	55,314.0588	1.0602	1.0141	55,642.7626

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.65445e+007	0.0892	0.7624	0.3244	4.8700e-003		0.0616	0.0616		0.0616	0.0616	0.0000	882.8800	882.8800	0.0169	0.0162	888.1265
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22977e+008	0.6631	6.0283	5.0638	0.0362		0.4582	0.4582		0.4582	0.4582	0.0000	6,562.5253	6,562.5253	0.1258	0.1203	6,601.5231
General Heavy Industry	2.64411e+008	1.4258	12.9613	10.8875	0.0778		0.9851	0.9851		0.9851	0.9851	0.0000	14,109.9758	14,109.9758	0.2704	0.2587	14,193.8243
General Light Industry	2.34304e+008	1.2634	11.4855	9.6478	0.0689		0.8729	0.8729		0.8729	0.8729	0.0000	12,503.3591	12,503.3591	0.2397	0.2292	12,577.6603
General Office Building	1.45468e+007	0.0784	0.7131	0.5990	4.2800e-003		0.0542	0.0542		0.0542	0.0542	0.0000	776.2713	776.2713	0.0149	0.0142	780.8843
Government Office Building	3.75079e+007	0.2023	1.8386	1.5444	0.0110		0.1397	0.1397		0.1397	0.1397	0.0000	2,001.5623	2,001.5623	0.0384	0.0367	2,013.4566
Hotel	9.42917e+006	0.0508	0.4622	0.3883	2.7700e-003		0.0351	0.0351		0.0351	0.0351	0.0000	503.1764	503.1764	9.6400e-003	9.2200e-003	506.1665
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	6.08686e+007	0.3282	2.9838	2.5064	0.0179		0.2268	0.2268		0.2268	0.2268	0.0000	3,248.1826	3,248.1826	0.0623	0.0596	3,267.4850
Single Family Housing	2.20633e+008	1.1897	10.1664	4.3261	0.0649		0.8220	0.8220		0.8220	0.8220	0.0000	11,773.8223	11,773.8223	0.2257	0.2159	11,843.7883
Strip Mall	8.07315e+006	0.0435	0.3957	0.3324	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.8140	430.8140	8.2600e-003	7.9000e-003	433.3741
Supermarket	3.30979e+007	0.1785	1.6225	1.3629	9.7300e-003		0.1233	0.1233		0.1233	0.1233	0.0000	1,766.2318	1,766.2318	0.0339	0.0324	1,776.7276
Total		**5.5892**	**50.1111**	**37.5481**	**0.3049**		**3.8617**	**3.8617**		**3.8617**	**3.8617**	**0.0000**	**55,314.0588**	**55,314.0588**	**1.0602**	**1.0141**	**55,642.7626**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.49691e+007	0.0807	0.6898	0.2935	4.4000e-003		0.0558	0.0558		0.0558	0.0558	0.0000	798.8102	798.8102	0.0153	0.0146	803.5572
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.05461e+008	0.5687	5.1697	4.3425	0.0310		0.3929	0.3929		0.3929	0.3929	0.0000	5,627.7925	5,627.7925	0.1079	0.1032	5,661.2356
General Heavy Industry	2.34777e+008	1.2660	11.5087	9.6673	0.0691		0.8747	0.8747		0.8747	0.8747	0.0000	12,528.6209	12,528.6209	0.2401	0.2297	12,603.0722
General Light Industry	2.08045e+008	1.1218	10.1983	8.5666	0.0612		0.7751	0.7751		0.7751	0.7751	0.0000	11,102.0633	11,102.0633	0.2128	0.2035	11,168.0374
General Office Building	1.23728e+007	0.0667	0.6065	0.5095	3.6400e-003		0.0461	0.0461		0.0461	0.0461	0.0000	660.2574	660.2574	0.0127	0.0121	664.1810
Government Office Building	3.19023e+007	0.1720	1.5638	1.3136	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	1,702.4284	1,702.4284	0.0326	0.0312	1,712.5451
Hotel	8.16641e+006	0.0440	0.4003	0.3363	2.4000e-003		0.0304	0.0304		0.0304	0.0304	0.0000	435.7910	435.7910	8.3500e-003	7.9900e-003	438.3807
Library	370326	2.0000e-003	0.0182	0.0153	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003	0.0000	19.7620	19.7620	3.8000e-004	3.6000e-004	19.8794
Medical Office Building	140405	7.6000e-004	6.8800e-003	5.7800e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	7.4925	7.4925	1.4000e-004	1.4000e-004	7.5371
Mobile Home Park	716065	3.8600e-003	0.0330	0.0140	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2119	38.2119	7.3000e-004	7.0000e-004	38.4390
Place of Worship	1.13256e+007	0.0611	0.5552	0.4664	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	604.3791	604.3791	0.0116	0.0111	607.9707
Regional Shopping Center	5.17383e+007	0.2790	2.5362	2.1304	0.0152		0.1928	0.1928		0.1928	0.1928	0.0000	2,760.9552	2,760.9552	0.0529	0.0506	2,777.3622
Single Family Housing	1.91131e+008	1.0306	8.8070	3.7477	0.0562		0.7121	0.7121		0.7121	0.7121	0.0000	10,199.4553	10,199.4553	0.1955	0.1870	10,260.0656
Strip Mall	6.86218e+006	0.0370	0.3364	0.2826	2.0200e-003		0.0256	0.0256		0.0256	0.0256	0.0000	366.1919	366.1919	7.0200e-003	6.7100e-003	368.3680
Supermarket	2.9412e+007	0.1586	1.4418	1.2111	8.6500e-003		0.1096	0.1096		0.1096	0.1096	0.0000	1,569.5342	1,569.5342	0.0301	0.0288	1,578.8612
Total		**4.8928**	**43.8716**	**32.9024**	**0.2669**		**3.3805**	**3.3805**		**3.3805**	**3.3805**	**0.0000**	**48,421.7459**	**48,421.7459**	**0.9281**	**0.8877**	**48,709.4921**

5.3 Energy by Land Use - Electricity

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.90579e+006	545.7901	0.1040	0.0215	554.8018
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	3.59461e+007	2,481.6036	0.4728	0.0978	2,522.5778
General Heavy Industry	8.27913e+007	5,715.6431	1.0891	0.2253	5,810.0151
General Light Industry	7.33644e+007	5,064.8378	0.9651	0.1997	5,148.4641
General Office Building	1.58442e+007	1,093.8299	0.2084	0.0431	1,111.8903
Government Office Building	4.08531e+007	2,820.3652	0.5374	0.1112	2,866.9328
Hotel	1.62154e+006	111.9456	0.0213	4.4100e-003	113.7940
Library	130591	9.0156	1.7200e-003	3.6000e-004	9.1644
Medical Office Building	179798	12.4127	2.3700e-003	4.9000e-004	12.6176
Mobile Home Park	256948	17.7389	3.3800e-003	7.0000e-004	18.0318
Place of Worship	3.99384e+006	275.7219	0.0525	0.0109	280.2744
Regional Shopping Center	2.74551e+008	18,954.1091	3.6115	0.7472	19,267.0636
Single Family Housing	6.14155e+007	4,239.9282	0.8079	0.1672	4,309.9344
Strip Mall	3.64143e+007	2,513.9274	0.4790	0.0991	2,555.4352
Supermarket	6.04096e+007	4,170.4842	0.7946	0.1644	4,239.3438
Total		**48,027.3532**	**9.1511**	**1.8933**	**48,820.3410**

5.3 Energy by Land Use - Electricity

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.81019e+006	539.1902	0.1027	0.0213	548.0929
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	3.43856e+007	2,373.8680	0.4523	0.0936	2,413.0633
General Heavy Industry	8.05662e+007	5,562.0266	1.0598	0.2193	5,653.8621
General Light Industry	7.13926e+007	4,928.7126	0.9391	0.1943	5,010.0914
General Office Building	1.50297e+007	1,037.6047	0.1977	0.0409	1,054.7367
Government Office Building	3.87532e+007	2,675.3924	0.5098	0.1055	2,719.5663
Hotel	1.5561e+006	107.4281	0.0205	4.2400e-003	109.2019
Library	127081	8.7733	1.6700e-003	3.5000e-004	8.9181
Medical Office Building	170556	11.7746	2.2400e-003	4.6000e-004	11.9690
Mobile Home Park	254718	17.5849	3.3500e-003	6.9000e-004	17.8753
Place of Worship	3.8865e+006	268.3115	0.0511	0.0106	272.7416
Regional Shopping Center	2.63918e+008	18,220.0585	3.4716	0.7183	18,520.8930
Single Family Housing	6.10446e+007	4,214.3207	0.8030	0.1661	4,283.9040
Strip Mall	3.50041e+007	2,416.5685	0.4605	0.0953	2,456.4689
Supermarket	5.95086e+007	4,108.2776	0.7828	0.1620	4,176.1101
Total		**46,489.8921**	**8.8581**	**1.8327**	**47,257.4946**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221
Unmitigated	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	51.5255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	295.5993					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	251.0761	3.7836	286.7552	0.4839		39.9606	39.9606		39.9606	39.9606	3,650.7860	850.3861	4,501.1721	1.1646	0.3119	4,623.2430
Landscaping	2.1626	0.8202	71.1767	3.7900e-003		0.3953	0.3953		0.3953	0.3953	0.0000	116.9524	116.9524	0.1131	0.0000	119.7790
Total	**600.3635**	**4.6038**	**357.9319**	**0.4877**		**40.3559**	**40.3559**		**40.3559**	**40.3559**	**3,650.7860**	**967.3386**	**4,618.1246**	**1.2776**	**0.3119**	**4,743.0221**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	51.5255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	295.5993					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	251.0761	3.7836	286.7552	0.4839		39.9606	39.9606		39.9606	39.9606	3,650.7860	850.3861	4,501.1721	1.1646	0.3119	4,623.2430
Landscaping	2.1626	0.8202	71.1767	3.7900e-003		0.3953	0.3953		0.3953	0.3953	0.0000	116.9524	116.9524	0.1131	0.0000	119.7790
Total	**600.3635**	**4.6038**	**357.9319**	**0.4877**		**40.3559**	**40.3559**		**40.3559**	**40.3559**	**3,650.7860**	**967.3386**	**4,618.1246**	**1.2776**	**0.3119**	**4,743.0221**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5,674.7151	239.8715	5.7807	13,394.1575
Unmitigated	6,305.2390	266.5239	6.4230	14,882.3972

7.2 Water by Land Use

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	124.77 / 78.6593	105.1989	4.0781	0.0986	236.5306
City Park	0 / 155.488	37.5704	7.1600e-003	1.4800e-003	38.1908
Elementary School	193.382 / 497.267	253.7442	6.3380	0.1564	458.7934
General Heavy Industry	2317.86 / 0	1,601.2084	75.6926	1.8175	4,035.1411
General Light Industry	2053.93 / 0	1,418.8823	67.0737	1.6106	3,575.6684
General Office Building	157.938 / 96.8006	132.4951	5.1621	0.1248	298.7278
Government Office Building	455.181 / 278.982	381.8544	14.8773	0.3596	860.9417
Hotel	3.71775 / 0.413084	2.6681	0.1214	2.9200e-003	6.5737
Library	0.494678 / 0.773727	0.5287	0.0162	4.0000e-004	1.0512
Medical Office Building	1.26484 / 0.240923	0.9320	0.0413	9.9000e-004	2.2611
Mobile Home Park	3.12739 / 1.97162	2.6368	0.1022	2.4700e-003	5.9287
Place of Worship	15.1288 / 23.663	16.1688	0.4951	0.0121	32.1496
Regional Shopping Center	1902.4 / 1165.99	1,595.9400	62.1790	1.5028	3,598.2598
Single Family Housing	494.584 / 311.803	417.0052	16.1656	0.3908	937.5998
Strip Mall	252.32 / 154.648	211.6729	8.2469	0.1993	477.2447
Supermarket	181.491 / 5.61314	126.7328	5.9271	0.1424	317.3349
Total		**6,305.2389**	**266.5239**	**6.4230**	**14,882.3972**

7.2 Water by Land Use

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	112.293 / 70.7934	94.6790	3.6703	0.0887	212.8775
City Park	0 / 139.939	33.8134	6.4400e-003	1.3300e-003	34.3717
Elementary School	174.043 / 447.54	228.3698	5.7042	0.1407	412.9140
General Heavy Industry	2086.08 / 0	1,441.0876	68.1234	1.6358	3,631.6270
General Light Industry	1848.54 / 0	1,276.9941	60.3663	1.4495	3,218.1015
General Office Building	142.144 / 87.1205	119.2456	4.6459	0.1123	268.8550
Government Office Building	409.663 / 251.084	343.6690	13.3896	0.3236	774.8476
Hotel	3.34598 / 0.371775	2.4013	0.1093	2.6300e-003	5.9163
Library	0.44521 / 0.696354	0.4758	0.0146	3.6000e-004	0.9461
Medical Office Building	1.13836 / 0.21683	0.8388	0.0372	8.9000e-004	2.0350
Mobile Home Park	2.81465 / 1.77446	2.3732	0.0920	2.2200e-003	5.3358
Place of Worship	13.6159 / 21.2967	14.5519	0.4456	0.0109	28.9347
Regional Shopping Center	1712.16 / 1049.39	1,436.3460	55.9611	1.3526	3,238.4338
Single Family Housing	445.126 / 280.623	375.3046	14.5490	0.3517	843.8398
Strip Mall	227.088 / 139.183	190.5056	7.4222	0.1794	429.5203
Supermarket	163.342 / 5.05183	114.0595	5.3344	0.1281	285.6014
Total		**5,674.7151**	**239.8715**	**5.7807**	**13,394.1575**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4,410.4486	260.6500	0.0000	10,926.6997
Unmitigated	17,641.7944	1,042.6002	0.0000	43,706.7988

8.2 Waste by Land Use

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	880.9	178.8147	10.5677	0.0000	443.0060
City Park	11.22	2.2776	0.1346	0.0000	5.6426
Elementary School	8669.75	1,759.8809	104.0060	0.0000	4,360.0304
General Heavy Industry	12428.8	2,522.9280	149.1008	0.0000	6,250.4473
General Light Industry	11013.5	2,235.6471	132.1230	0.0000	5,538.7210
General Office Building	826.42	167.7558	9.9141	0.0000	415.6079
Government Office Building	2130.87	432.5474	25.5628	0.0000	1,071.6178
Hotel	80.24	16.2880	0.9626	0.0000	40.3528
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	26967.2	5,474.0877	323.5093	0.0000	13,561.8207
Single Family Housing	9118.2	1,850.9122	109.3858	0.0000	4,585.5566
Strip Mall	3576.71	726.0398	42.9077	0.0000	1,798.7329
Supermarket	8303.94	1,685.6248	99.6176	0.0000	4,176.0640
Total		**17,641.7944**	**1,042.6002**	**0.0000**	**43,706.7989**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	220.225	44.7037	2.6419	0.0000	110.7515
City Park	2.805	0.5694	0.0337	0.0000	1.4106
Elementary School	2167.44	439.9702	26.0015	0.0000	1,090.0076
General Heavy Industry	3107.19	630.7320	37.2752	0.0000	1,562.6118
General Light Industry	2753.38	558.9118	33.0307	0.0000	1,384.6802
General Office Building	206.605	41.9390	2.4785	0.0000	103.9020
Government Office Building	532.717	108.1368	6.3907	0.0000	267.9044
Hotel	20.06	4.0720	0.2407	0.0000	10.0882
Library	3.64	0.7389	0.0437	0.0000	1.8306
Medical Office Building	27.215	5.5244	0.3265	0.0000	13.6865
Mobile Home Park	5.52	1.1205	0.0662	0.0000	2.7760
Place of Worship	689.015	139.8638	8.2657	0.0000	346.5067
Regional Shopping Center	6741.79	1,368.5219	80.8773	0.0000	3,390.4552
Single Family Housing	2279.55	462.7281	27.3464	0.0000	1,146.3892
Strip Mall	894.178	181.5100	10.7269	0.0000	449.6832
Supermarket	2075.99	421.4062	24.9044	0.0000	1,044.0160
Total		**4,410.4486**	**260.6500**	**0.0000**	**10,926.6997**

9.0 Operational Offroad

-

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - Proposed Plan (2040)

Solano-Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	7,591.00	Dwelling Unit	2,464.61	13,663,800.00	21710
Apartments Mid Rise	1,915.00	Dwelling Unit	50.39	1,915,000.00	5477
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
Elementary School	6,669.04	1000sqft	153.10	6,669,039.00	0
City Park	130.50	Acre	130.50	5,684,580.00	0
Government Office Building	2,291.26	1000sqft	52.60	2,291,256.00	0
General Office Building	888.62	1000sqft	20.40	888,624.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	146.56	Room	4.89	212,800.04	0
Supermarket	1,472.33	1000sqft	33.80	1,472,328.00	0
Strip Mall	3,406.39	1000sqft	78.20	3,406,392.00	0
Regional Shopping Center	25,682.97	1000sqft	589.60	25,682,972.00	0
General Heavy Industry	10,023.16	1000sqft	230.10	10,023,160.00	0
General Light Industry	8,881.88	1000sqft	203.90	8,881,884.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2040

Utility Company	Pacific Gas & Electric Company

CO2 Intensity (lb/MWhr)	152.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor includes RPS benefit up to 2030.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Trips and VMT - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match VMT resulting from implementation of the Proposed Plan.

Woodstoves - No woodstoves.

Energy Use -

Mobile Land Use Mitigation -

Energy Mitigation -

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,018,933.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	90,056,798.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	10,554,570.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	31,663,710.00	0.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2819	12/30/2776
tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
tblLandUse	LandUseSquareFeet	6,669,040.00	6,669,039.00
tblLandUse	LandUseSquareFeet	2,291,260.00	2,291,256.00
tblLandUse	LandUseSquareFeet	212,800.76	212,800.04
tblLandUse	LandUseSquareFeet	1,472,330.00	1,472,328.00
tblLandUse	LandUseSquareFeet	3,406,390.00	3,406,392.00
tblLandUse	LandUseSquareFeet	25,683,000.00	25,682,972.00
tblLandUse	LandUseSquareFeet	10,023,200.00	10,023,160.00
tblLandUse	LandUseSquareFeet	8,881,880.00	8,881,884.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
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tblTripsAndVMT	WorkerTripNumber	28,374.00	0.00
tblTripsAndVMT	WorkerTripNumber	5,675.00	0.00
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tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
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tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
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tblVehicleTrips	CC_TL	5.00	9.87

tblVehicleTrips	CC_TTP	48.00	100.00
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tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	65.00	0.00

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	19.40	0.00
tblVehicleTrips	CW_TTP	52.00	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	44.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00

tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HW_TL	10.00	9.87
tblVehicleTrips	HW_TL	10.00	9.87
tblVehicleTrips	HW_TL	10.00	9.87
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	44.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	64.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	6.39	0.22
tblVehicleTrips	ST_TR	22.75	0.77
tblVehicleTrips	ST_TR	1.50	0.05
tblVehicleTrips	ST_TR	1.32	0.04
tblVehicleTrips	ST_TR	2.46	0.08

tblVehicleTrips	ST_TR	8.19	0.28
tblVehicleTrips	ST_TR	46.55	1.57
tblVehicleTrips	ST_TR	8.96	0.30
tblVehicleTrips	ST_TR	5.00	0.17
tblVehicleTrips	ST_TR	10.37	0.35
tblVehicleTrips	ST_TR	49.97	1.69
tblVehicleTrips	ST_TR	9.91	0.33
tblVehicleTrips	ST_TR	42.04	1.42
tblVehicleTrips	ST_TR	177.59	6.00
tblVehicleTrips	SU_TR	5.86	0.20
tblVehicleTrips	SU_TR	16.74	0.57
tblVehicleTrips	SU_TR	1.50	0.05
tblVehicleTrips	SU_TR	0.68	0.02
tblVehicleTrips	SU_TR	1.05	0.04
tblVehicleTrips	SU_TR	5.95	0.20
tblVehicleTrips	SU_TR	25.49	0.86
tblVehicleTrips	SU_TR	1.55	0.05
tblVehicleTrips	SU_TR	4.36	0.15
tblVehicleTrips	SU_TR	36.63	1.24
tblVehicleTrips	SU_TR	25.24	0.85
tblVehicleTrips	SU_TR	8.62	0.29
tblVehicleTrips	SU_TR	20.43	0.69
tblVehicleTrips	SU_TR	166.44	5.62
tblVehicleTrips	WD_TR	6.65	0.22
tblVehicleTrips	WD_TR	1.89	0.06
tblVehicleTrips	WD_TR	15.43	0.52
tblVehicleTrips	WD_TR	1.50	0.05

tblVehicleTrips	WD_TR	6.97	0.24
tblVehicleTrips	WD_TR	11.03	0.37
tblVehicleTrips	WD_TR	68.93	2.33
tblVehicleTrips	WD_TR	8.17	0.28
tblVehicleTrips	WD_TR	56.24	1.90
tblVehicleTrips	WD_TR	36.13	1.22
tblVehicleTrips	WD_TR	4.99	0.17
tblVehicleTrips	WD_TR	9.11	0.31
tblVehicleTrips	WD_TR	42.70	1.44
tblVehicleTrips	WD_TR	9.52	0.32
tblVehicleTrips	WD_TR	44.32	1.50
tblVehicleTrips	WD_TR	102.24	3.45
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	189.78	0.00
tblWoodstoves	NumberNoncatalytic	95.75	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	189.78	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977
Energy	30.6259	274.5814	205.7432	1.6705		21.1597	21.1597		21.1597	21.1597		334,100.3435	334,100.3435	6.4036	6.1252	336,085.7348
Mobile	69.8491	470.5050	809.4328	5.2341	32,628.1686	1.9205	32,630.0892	3,337.8141	1.7918	3,339.6059		533,641.1825	533,641.1825	14.0355		533,992.0697
Total	**8,150.3645**	**846.4825**	**8,800.0570**	**18.7487**	**32,628.1686**	**1,002.1212**	**33,630.2898**	**3,337.8141**	**1,001.9924**	**4,339.8065**	**98,153.7251**	**892,037.1246**	**990,190.8497**	**53.1341**	**14.5117**	**995,843.7021**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977
Energy	26.8098	240.3922	180.2869	1.4624		18.5231	18.5231		18.5231	18.5231		292,470.3460	292,470.3460	5.6057	5.3620	294,208.3510
Mobile	64.6108	445.8845	703.4314	4.5242	27,733.9433	1.6594	27,735.6027	2,837.1420	1.5478	2,838.6898		461,449.4304	461,449.4304	12.6286		461,765.1453
Total	**8,141.3101**	**787.6728**	**8,668.5993**	**17.8307**	**27,733.9433**	**999.2235**	**28,733.1668**	**2,837.1420**	**999.1119**	**3,836.2539**	**98,153.7251**	**778,215.3751**	**876,369.1002**	**50.9293**	**13.7485**	**881,739.3940**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.11**	**6.95**	**1.49**	**4.90**	**15.00**	**0.29**	**14.56**	**15.00**	**0.29**	**11.60**	**0.00**	**12.76**	**11.49**	**4.15**	**5.26**	**11.46**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Walkability Design

Improve Destination Accessibility

Improve Pedestrian Network

Provide Traffic Calming Measures

Implement NEV Network

Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	64.6108	445.8845	703.4314	4.5242	27,733.9433	1.6594	27,735.6027	2,837.1420	1.5478	2,838.6898		461,449.4304	461,449.4304	12.6286		461,765.1453
Unmitigated	69.8491	470.5050	809.4328	5.2341	32,628.1686	1.9205	32,630.0892	3,337.8141	1.7918	3,339.6059		533,641.1825	533,641.1825	14.0355		533,992.0697

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	421.30	421.30	383.00	1,493,939	1,269,848
City Park	7.83	100.49	74.39	109,844	93,367
Elementary School	3,467.90	0.00	0.00	8,899,326	7,564,427
General Heavy Industry	501.16	501.16	501.16	1,800,500	1,530,425
General Light Industry	2,131.65	355.28	177.64	5,743,758	4,882,194
General Office Building	328.79	71.09	35.54	898,472	763,702
Government Office Building	5,338.63	0.00	0.00	13,699,983	11,644,986
Hotel	41.04	41.04	29.31	141,411	120,199
Library	30.04	24.82	13.60	96,804	82,283
Medical Office Building	12.30	3.03	0.50	33,382	28,375
Mobile Home Park	8.16	8.16	7.20	28,824	24,500
Place of Worship	149.89	169.23	599.56	779,222	662,338
Regional Shopping Center	36,983.48	43,404.22	21830.53	128,388,088	109,129,875
Single Family Housing	2,429.12	2,505.03	2201.39	8,649,131	7,351,761
Strip Mall	5,109.59	4,837.08	2350.41	16,801,131	14,280,961
Supermarket	5,079.53	8,833.97	8274.48	21,815,836	18,543,460
Total	62,040.40	61,275.88	36,478.71	209,379,650	177,972,702

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
City Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Elementary School	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Heavy Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Light Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Government Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Hotel	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Library	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Medical Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Mobile Home Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Place of Worship	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Regional Shopping Center	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Single Family Housing	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Strip Mall	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Supermarket	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	26.8098	240.3922	180.2869	1.4624		18.5231	18.5231		18.5231	18.5231		292,470.3460	292,470.3460	5.6057	5.3620	294,208.3510
NaturalGas Unmitigated	30.6259	274.5814	205.7432	1.6705		21.1597	21.1597		21.1597	21.1597		334,100.3435	334,100.3435	6.4036	6.1252	336,085.7348

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	45327.5	0.4888	4.1772	1.7776	0.0267		0.3377	0.3377		0.3377	0.3377		5,332.6500	5,332.6500	0.1022	0.0978	5,364.3393
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	336924	3.6335	33.0317	27.7466	0.1982		2.5104	2.5104		2.5104	2.5104		39,638.0594	39,638.0594	0.7597	0.7267	39,873.6085
General Heavy Industry	724414	7.8123	71.0209	59.6576	0.4261		5.3976	5.3976		5.3976	5.3976		85,225.1284	85,225.1284	1.6335	1.5625	85,731.5787
General Light Industry	641929	6.9228	62.9342	52.8647	0.3776		4.7830	4.7830		4.7830	4.7830		75,521.0636	75,521.0636	1.4475	1.3846	75,969.8476
General Office Building	39854.2	0.4298	3.9073	3.2821	0.0234		0.2970	0.2970		0.2970	0.2970		4,688.7268	4,688.7268	0.0899	0.0860	4,716.5896
Government Office Building	102761	1.1082	10.0746	8.4627	0.0605		0.7657	0.7657		0.7657	0.7657		12,089.5603	12,089.5603	0.2317	0.2216	12,161.4025
Hotel	25833.3	0.2786	2.5327	2.1275	0.0152		0.1925	0.1925		0.1925	0.1925		3,039.2167	3,039.2167	0.0583	0.0557	3,057.2772
Library	1142.65	0.0123	0.1120	0.0941	6.7000e-004		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003		134.4296	134.4296	2.5800e-003	2.4600e-003	135.2284
Medical Office Building	452.26	4.8800e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.2071	53.2071	1.0200e-003	9.8000e-004	53.5233
Mobile Home Park	2234.81	0.0241	0.2060	0.0876	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9184	262.9184	5.0400e-003	4.8200e-003	264.4808
Place of Worship	34945.6	0.3769	3.4260	2.8779	0.0206		0.2604	0.2604		0.2604	0.2604		4,111.2497	4,111.2497	0.0788	0.0754	4,135.6808
Regional Shopping Center	166763	1.7984	16.3494	13.7335	0.0981		1.2426	1.2426		1.2426	1.2426		19,619.2244	19,619.2244	0.3760	0.3597	19,735.8116
Single Family Housing	604474	6.5188	55.7065	23.7049	0.3556		4.5039	4.5039		4.5039	4.5039		71,114.6167	71,114.6167	1.3630	1.3038	71,537.2153
Strip Mall	22118.2	0.2385	2.1685	1.8215	0.0130		0.1648	0.1648		0.1648	0.1648		2,602.1431	2,602.1431	0.0499	0.0477	2,617.6064
Supermarket	90679.3	0.9779	8.8901	7.4677	0.0533		0.6757	0.6757		0.6757	0.6757		10,668.1494	10,668.1494	0.2045	0.1956	10,731.5449
Total		**30.6259**	**274.5814**	**205.7432**	**1.6705**		**21.1597**	**21.1597**		**21.1597**	**21.1597**		**334,100.3435**	**334,100.3435**	**6.4036**	**6.1252**	**336,085.7348**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	41.0113	0.4423	3.7795	1.6083	0.0241		0.3056	0.3056		0.3056	0.3056		4,824.8633	4,824.8633	0.0925	0.0885	4,853.5351
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	288.934	3.1160	28.3269	23.7946	0.1700		2.1528	2.1528		2.1528	2.1528		33,992.2154	33,992.2154	0.6515	0.6232	34,194.2141
General Heavy Industry	643.226	6.9368	63.0614	52.9716	0.3784		4.7927	4.7927		4.7927	4.7927		75,673.6465	75,673.6465	1.4504	1.3874	76,123.3371
General Light Industry	569.986	6.1469	55.8810	46.9400	0.3353		4.2470	4.2470		4.2470	4.2470		67,057.1506	67,057.1506	1.2853	1.2294	67,455.6378
General Office Building	33.898	0.3656	3.3233	2.7916	0.0199		0.2526	0.2526		0.2526	0.2526		3,987.9956	3,987.9956	0.0764	0.0731	4,011.6942
Government Office Building	87.4036	0.9426	8.5690	7.1979	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.7729	10,282.7729	0.1971	0.1885	10,343.8783
Hotel	22.3737	0.2413	2.1935	1.8425	0.0132		0.1667	0.1667		0.1667	0.1667		2,632.2045	2,632.2045	0.0505	0.0483	2,647.8463
Library	1.01459	0.0109	0.0995	0.0836	6.0000e-004		7.5600e-003	7.5600e-003		7.5600e-003	7.5600e-003		119.3636	119.3636	2.2900e-003	2.1900e-003	120.0729
Medical Office Building	0.38467	4.1500e-003	0.0377	0.0317	2.3000e-004		2.8700e-003	2.8700e-003		2.8700e-003	2.8700e-003		45.2553	45.2553	8.7000e-004	8.3000e-004	45.5242
Mobile Home Park	1.96182	0.0212	0.1808	0.0769	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8025	230.8025	4.4200e-003	4.2300e-003	232.1740
Place of Worship	31.0291	0.3346	3.0421	2.5553	0.0183		0.2312	0.2312		0.2312	0.2312		3,650.4874	3,650.4874	0.0700	0.0669	3,672.1804
Regional Shopping Center	141.749	1.5287	13.8970	11.6734	0.0834		1.0562	1.0562		1.0562	1.0562		16,676.3407	16,676.3407	0.3196	0.3057	16,775.4399
Single Family Housing	523.645	5.6472	48.2575	20.5351	0.3080		3.9017	3.9017		3.9017	3.9017		61,605.3422	61,605.3422	1.1808	1.1294	61,971.4320
Strip Mall	18.8005	0.2028	1.8432	1.5483	0.0111		0.1401	0.1401		0.1401	0.1401		2,211.8217	2,211.8217	0.0424	0.0406	2,224.9654
Supermarket	80.5807	0.8690	7.9001	6.6361	0.0474		0.6004	0.6004		0.6004	0.6004		9,480.0839	9,480.0839	0.1817	0.1738	9,536.4193
Total		**26.8098**	**240.3922**	**180.2869**	**1.4624**		**18.5231**	**18.5231**		**18.5231**	**18.5231**		**292,470.3460**	**292,470.3460**	**5.6057**	**5.3620**	**294,208.3510**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977
Unmitigated	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	282.3313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,619.7221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,123.8068	92.2832	6,994.0294	11.8021		974.6483	974.6483		974.6483	974.6483	98,153.7251	22,863.1765	121,016.9016	31.3103	8.3866	124,298.8555
Landscaping	24.0293	9.1129	790.8517	0.0421		4.3927	4.3927		4.3927	4.3927		1,432.4222	1,432.4222	1.3848		1,467.0422
Total	**8,049.8895**	**101.3961**	**7,784.8811**	**11.8442**		**979.0410**	**979.0410**		**979.0410**	**979.0410**	**98,153.7251**	**24,295.5987**	**122,449.3238**	**32.6951**	**8.3866**	**125,765.8977**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	282.3313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,619.7221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,123.8068	92.2832	6,994.0294	11.8021		974.6483	974.6483		974.6483	974.6483	98,153.7251	22,863.1765	121,016.9016	31.3103	8.3866	124,298.8555
Landscaping	24.0293	9.1129	790.8517	0.0421		4.3927	4.3927		4.3927	4.3927		1,432.4222	1,432.4222	1.3848		1,467.0422
Total	**8,049.8895**	**101.3961**	**7,784.8811**	**11.8442**		**979.0410**	**979.0410**		**979.0410**	**979.0410**	**98,153.7251**	**24,295.5987**	**122,449.3238**	**32.6951**	**8.3866**	**125,765.8977**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - Proposed Plan (2040)

Solano-Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	7,591.00	Dwelling Unit	2,464.61	13,663,800.00	21710
Apartments Mid Rise	1,915.00	Dwelling Unit	50.39	1,915,000.00	5477
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
Elementary School	6,669.04	1000sqft	153.10	6,669,039.00	0
City Park	130.50	Acre	130.50	5,684,580.00	0
Government Office Building	2,291.26	1000sqft	52.60	2,291,256.00	0
General Office Building	888.62	1000sqft	20.40	888,624.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	146.56	Room	4.89	212,800.04	0
Supermarket	1,472.33	1000sqft	33.80	1,472,328.00	0
Strip Mall	3,406.39	1000sqft	78.20	3,406,392.00	0
Regional Shopping Center	25,682.97	1000sqft	589.60	25,682,972.00	0
General Heavy Industry	10,023.16	1000sqft	230.10	10,023,160.00	0
General Light Industry	8,881.88	1000sqft	203.90	8,881,884.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2040

Utility Company	Pacific Gas & Electric Company

CO2 Intensity (lb/MWhr)	152.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor includes RPS benefit up to 2030.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Trips and VMT - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match VMT resulting from implementation of the Proposed Plan.

Woodstoves - No woodstoves.

Energy Use -

Mobile Land Use Mitigation -

Energy Mitigation -

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,018,933.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	90,056,798.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	10,554,570.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	31,663,710.00	0.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2819	12/30/2776
tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
tblLandUse	LandUseSquareFeet	6,669,040.00	6,669,039.00
tblLandUse	LandUseSquareFeet	2,291,260.00	2,291,256.00
tblLandUse	LandUseSquareFeet	212,800.76	212,800.04
tblLandUse	LandUseSquareFeet	1,472,330.00	1,472,328.00
tblLandUse	LandUseSquareFeet	3,406,390.00	3,406,392.00
tblLandUse	LandUseSquareFeet	25,683,000.00	25,682,972.00
tblLandUse	LandUseSquareFeet	10,023,200.00	10,023,160.00
tblLandUse	LandUseSquareFeet	8,881,880.00	8,881,884.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	152.2
tblTripsAndVMT	VendorTripNumber	11,793.00	0.00
tblTripsAndVMT	WorkerTripNumber	28,374.00	0.00
tblTripsAndVMT	WorkerTripNumber	5,675.00	0.00
tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
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tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87
tblVehicleTrips	CC_TL	5.00	9.87

tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	30.00	100.00
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tblVehicleTrips	CC_TTP	61.60	100.00
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tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	95.00	100.00
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tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CC_TTP	74.50	100.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	65.00	0.00

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
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tblVehicleTrips	CW_TTP	19.40	0.00
tblVehicleTrips	CW_TTP	52.00	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
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tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	44.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00

tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TL	5.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HW_TL	10.00	9.87
tblVehicleTrips	HW_TL	10.00	9.87
tblVehicleTrips	HW_TL	10.00	9.87
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
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tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
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tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
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tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	6.39	0.22
tblVehicleTrips	ST_TR	22.75	0.77
tblVehicleTrips	ST_TR	1.50	0.05
tblVehicleTrips	ST_TR	1.32	0.04
tblVehicleTrips	ST_TR	2.46	0.08

tblVehicleTrips	ST_TR	8.19	0.28
tblVehicleTrips	ST_TR	46.55	1.57
tblVehicleTrips	ST_TR	8.96	0.30
tblVehicleTrips	ST_TR	5.00	0.17
tblVehicleTrips	ST_TR	10.37	0.35
tblVehicleTrips	ST_TR	49.97	1.69
tblVehicleTrips	ST_TR	9.91	0.33
tblVehicleTrips	ST_TR	42.04	1.42
tblVehicleTrips	ST_TR	177.59	6.00
tblVehicleTrips	SU_TR	5.86	0.20
tblVehicleTrips	SU_TR	16.74	0.57
tblVehicleTrips	SU_TR	1.50	0.05
tblVehicleTrips	SU_TR	0.68	0.02
tblVehicleTrips	SU_TR	1.05	0.04
tblVehicleTrips	SU_TR	5.95	0.20
tblVehicleTrips	SU_TR	25.49	0.86
tblVehicleTrips	SU_TR	1.55	0.05
tblVehicleTrips	SU_TR	4.36	0.15
tblVehicleTrips	SU_TR	36.63	1.24
tblVehicleTrips	SU_TR	25.24	0.85
tblVehicleTrips	SU_TR	8.62	0.29
tblVehicleTrips	SU_TR	20.43	0.69
tblVehicleTrips	SU_TR	166.44	5.62
tblVehicleTrips	WD_TR	6.65	0.22
tblVehicleTrips	WD_TR	1.89	0.06
tblVehicleTrips	WD_TR	15.43	0.52
tblVehicleTrips	WD_TR	1.50	0.05

tblVehicleTrips	WD_TR	6.97	0.24
tblVehicleTrips	WD_TR	11.03	0.37
tblVehicleTrips	WD_TR	68.93	2.33
tblVehicleTrips	WD_TR	8.17	0.28
tblVehicleTrips	WD_TR	56.24	1.90
tblVehicleTrips	WD_TR	36.13	1.22
tblVehicleTrips	WD_TR	4.99	0.17
tblVehicleTrips	WD_TR	9.11	0.31
tblVehicleTrips	WD_TR	42.70	1.44
tblVehicleTrips	WD_TR	9.52	0.32
tblVehicleTrips	WD_TR	44.32	1.50
tblVehicleTrips	WD_TR	102.24	3.45
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	189.78	0.00
tblWoodstoves	NumberNoncatalytic	95.75	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	189.78	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977
Energy	30.6259	274.5814	205.7432	1.6705		21.1597	21.1597		21.1597	21.1597		334,100.3435	334,100.3435	6.4036	6.1252	336,085.7348
Mobile	69.8491	470.5050	809.4328	5.2341	32,628.1686	1.9205	32,630.0892	3,337.8141	1.7918	3,339.6059		533,641.1825	533,641.1825	14.0355		533,992.0697
Total	**8,150.3645**	**846.4825**	**8,800.0570**	**18.7487**	**32,628.1686**	**1,002.1212**	**33,630.2898**	**3,337.8141**	**1,001.9924**	**4,339.8065**	**98,153.7251**	**892,037.1246**	**990,190.8497**	**53.1341**	**14.5117**	**995,843.7021**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977
Energy	26.8098	240.3922	180.2869	1.4624		18.5231	18.5231		18.5231	18.5231		292,470.3460	292,470.3460	5.6057	5.3620	294,208.3510
Mobile	64.6108	445.8845	703.4314	4.5242	27,733.9433	1.6594	27,735.6027	2,837.1420	1.5478	2,838.6898		461,449.4304	461,449.4304	12.6286		461,765.1453
Total	**8,141.3101**	**787.6728**	**8,668.5993**	**17.8307**	**27,733.9433**	**999.2235**	**28,733.1668**	**2,837.1420**	**999.1119**	**3,836.2539**	**98,153.7251**	**778,215.3751**	**876,369.1002**	**50.9293**	**13.7485**	**881,739.3940**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.11**	**6.95**	**1.49**	**4.90**	**15.00**	**0.29**	**14.56**	**15.00**	**0.29**	**11.60**	**0.00**	**12.76**	**11.49**	**4.15**	**5.26**	**11.46**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Walkability Design

Improve Destination Accessibility

Improve Pedestrian Network

Provide Traffic Calming Measures

Implement NEV Network

Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	64.6108	445.8845	703.4314	4.5242	27,733.9433	1.6594	27,735.6027	2,837.1420	1.5478	2,838.6898		461,449.4304	461,449.4304	12.6286		461,765.1453
Unmitigated	69.8491	470.5050	809.4328	5.2341	32,628.1686	1.9205	32,630.0892	3,337.8141	1.7918	3,339.6059		533,641.1825	533,641.1825	14.0355		533,992.0697

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	421.30	421.30	383.00	1,493,939	1,269,848
City Park	7.83	100.49	74.39	109,844	93,367
Elementary School	3,467.90	0.00	0.00	8,899,326	7,564,427
General Heavy Industry	501.16	501.16	501.16	1,800,500	1,530,425
General Light Industry	2,131.65	355.28	177.64	5,743,758	4,882,194
General Office Building	328.79	71.09	35.54	898,472	763,702
Government Office Building	5,338.63	0.00	0.00	13,699,983	11,644,986
Hotel	41.04	41.04	29.31	141,411	120,199
Library	30.04	24.82	13.60	96,804	82,283
Medical Office Building	12.30	3.03	0.50	33,382	28,375
Mobile Home Park	8.16	8.16	7.20	28,824	24,500
Place of Worship	149.89	169.23	599.56	779,222	662,338
Regional Shopping Center	36,983.48	43,404.22	21830.53	128,388,088	109,129,875
Single Family Housing	2,429.12	2,505.03	2201.39	8,649,131	7,351,761
Strip Mall	5,109.59	4,837.08	2350.41	16,801,131	14,280,961
Supermarket	5,079.53	8,833.97	8274.48	21,815,836	18,543,460
Total	62,040.40	61,275.88	36,478.71	209,379,650	177,972,702

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
City Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Elementary School	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Heavy Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Light Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Government Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Hotel	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Library	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Medical Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Mobile Home Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Place of Worship	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Regional Shopping Center	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Single Family Housing	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Strip Mall	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Supermarket	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	26.8098	240.3922	180.2869	1.4624		18.5231	18.5231		18.5231	18.5231		292,470.3460	292,470.3460	5.6057	5.3620	294,208.3510
NaturalGas Unmitigated	30.6259	274.5814	205.7432	1.6705		21.1597	21.1597		21.1597	21.1597		334,100.3435	334,100.3435	6.4036	6.1252	336,085.7348

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	45327.5	0.4888	4.1772	1.7776	0.0267		0.3377	0.3377		0.3377	0.3377		5,332.6500	5,332.6500	0.1022	0.0978	5,364.3393
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	336924	3.6335	33.0317	27.7466	0.1982		2.5104	2.5104		2.5104	2.5104		39,638.0594	39,638.0594	0.7597	0.7267	39,873.6085
General Heavy Industry	724414	7.8123	71.0209	59.6576	0.4261		5.3976	5.3976		5.3976	5.3976		85,225.1284	85,225.1284	1.6335	1.5625	85,731.5787
General Light Industry	641929	6.9228	62.9342	52.8647	0.3776		4.7830	4.7830		4.7830	4.7830		75,521.0636	75,521.0636	1.4475	1.3846	75,969.8476
General Office Building	39854.2	0.4298	3.9073	3.2821	0.0234		0.2970	0.2970		0.2970	0.2970		4,688.7268	4,688.7268	0.0899	0.0860	4,716.5896
Government Office Building	102761	1.1082	10.0746	8.4627	0.0605		0.7657	0.7657		0.7657	0.7657		12,089.5603	12,089.5603	0.2317	0.2216	12,161.4025
Hotel	25833.3	0.2786	2.5327	2.1275	0.0152		0.1925	0.1925		0.1925	0.1925		3,039.2167	3,039.2167	0.0583	0.0557	3,057.2772
Library	1142.65	0.0123	0.1120	0.0941	6.7000e-004		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003		134.4296	134.4296	2.5800e-003	2.4600e-003	135.2284
Medical Office Building	452.26	4.8800e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.2071	53.2071	1.0200e-003	9.8000e-004	53.5233
Mobile Home Park	2234.81	0.0241	0.2060	0.0876	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9184	262.9184	5.0400e-003	4.8200e-003	264.4808
Place of Worship	34945.6	0.3769	3.4260	2.8779	0.0206		0.2604	0.2604		0.2604	0.2604		4,111.2497	4,111.2497	0.0788	0.0754	4,135.6808
Regional Shopping Center	166763	1.7984	16.3494	13.7335	0.0981		1.2426	1.2426		1.2426	1.2426		19,619.2244	19,619.2244	0.3760	0.3597	19,735.8116
Single Family Housing	604474	6.5188	55.7065	23.7049	0.3556		4.5039	4.5039		4.5039	4.5039		71,114.6167	71,114.6167	1.3630	1.3038	71,537.2153
Strip Mall	22118.2	0.2385	2.1685	1.8215	0.0130		0.1648	0.1648		0.1648	0.1648		2,602.1431	2,602.1431	0.0499	0.0477	2,617.6064
Supermarket	90679.3	0.9779	8.8901	7.4677	0.0533		0.6757	0.6757		0.6757	0.6757		10,668.1494	10,668.1494	0.2045	0.1956	10,731.5449
Total		**30.6259**	**274.5814**	**205.7432**	**1.6705**		**21.1597**	**21.1597**		**21.1597**	**21.1597**		**334,100.3435**	**334,100.3435**	**6.4036**	**6.1252**	**336,085.7348**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	41.0113	0.4423	3.7795	1.6083	0.0241		0.3056	0.3056		0.3056	0.3056		4,824.8633	4,824.8633	0.0925	0.0885	4,853.5351
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	288.934	3.1160	28.3269	23.7946	0.1700		2.1528	2.1528		2.1528	2.1528		33,992.2154	33,992.2154	0.6515	0.6232	34,194.2141
General Heavy Industry	643.226	6.9368	63.0614	52.9716	0.3784		4.7927	4.7927		4.7927	4.7927		75,673.6465	75,673.6465	1.4504	1.3874	76,123.3371
General Light Industry	569.986	6.1469	55.8810	46.9400	0.3353		4.2470	4.2470		4.2470	4.2470		67,057.1506	67,057.1506	1.2853	1.2294	67,455.6378
General Office Building	33.898	0.3656	3.3233	2.7916	0.0199		0.2526	0.2526		0.2526	0.2526		3,987.9956	3,987.9956	0.0764	0.0731	4,011.6942
Government Office Building	87.4036	0.9426	8.5690	7.1979	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.7729	10,282.7729	0.1971	0.1885	10,343.8783
Hotel	22.3737	0.2413	2.1935	1.8425	0.0132		0.1667	0.1667		0.1667	0.1667		2,632.2045	2,632.2045	0.0505	0.0483	2,647.8463
Library	1.01459	0.0109	0.0995	0.0836	6.0000e-004		7.5600e-003	7.5600e-003		7.5600e-003	7.5600e-003		119.3636	119.3636	2.2900e-003	2.1900e-003	120.0729
Medical Office Building	0.38467	4.1500e-003	0.0377	0.0317	2.3000e-004		2.8700e-003	2.8700e-003		2.8700e-003	2.8700e-003		45.2553	45.2553	8.7000e-004	8.3000e-004	45.5242
Mobile Home Park	1.96182	0.0212	0.1808	0.0769	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8025	230.8025	4.4200e-003	4.2300e-003	232.1740
Place of Worship	31.0291	0.3346	3.0421	2.5553	0.0183		0.2312	0.2312		0.2312	0.2312		3,650.4874	3,650.4874	0.0700	0.0669	3,672.1804
Regional Shopping Center	141.749	1.5287	13.8970	11.6734	0.0834		1.0562	1.0562		1.0562	1.0562		16,676.3407	16,676.3407	0.3196	0.3057	16,775.4399
Single Family Housing	523.645	5.6472	48.2575	20.5351	0.3080		3.9017	3.9017		3.9017	3.9017		61,605.3422	61,605.3422	1.1808	1.1294	61,971.4320
Strip Mall	18.8005	0.2028	1.8432	1.5483	0.0111		0.1401	0.1401		0.1401	0.1401		2,211.8217	2,211.8217	0.0424	0.0406	2,224.9654
Supermarket	80.5807	0.8690	7.9001	6.6361	0.0474		0.6004	0.6004		0.6004	0.6004		9,480.0839	9,480.0839	0.1817	0.1738	9,536.4193
Total		**26.8098**	**240.3922**	**180.2869**	**1.4624**		**18.5231**	**18.5231**		**18.5231**	**18.5231**		**292,470.3460**	**292,470.3460**	**5.6057**	**5.3620**	**294,208.3510**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977
Unmitigated	8,049.8895	101.3960	7,784.8811	11.8442		979.0410	979.0410		979.0410	979.0410	98,153.7251	24,295.5987	122,449.3238	32.6951	8.3866	125,765.8977

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	282.3313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,619.7221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,123.8068	92.2832	6,994.0294	11.8021		974.6483	974.6483		974.6483	974.6483	98,153.7251	22,863.1765	121,016.9016	31.3103	8.3866	124,298.8555
Landscaping	24.0293	9.1129	790.8517	0.0421		4.3927	4.3927		4.3927	4.3927		1,432.4222	1,432.4222	1.3848		1,467.0422
Total	**8,049.8895**	**101.3961**	**7,784.8811**	**11.8442**		**979.0410**	**979.0410**		**979.0410**	**979.0410**	**98,153.7251**	**24,295.5987**	**122,449.3238**	**32.6951**	**8.3866**	**125,765.8977**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	282.3313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,619.7221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,123.8068	92.2832	6,994.0294	11.8021		974.6483	974.6483		974.6483	974.6483	98,153.7251	22,863.1765	121,016.9016	31.3103	8.3866	124,298.8555
Landscaping	24.0293	9.1129	790.8517	0.0421		4.3927	4.3927		4.3927	4.3927		1,432.4222	1,432.4222	1.3848		1,467.0422
Total	**8,049.8895**	**101.3961**	**7,784.8811**	**11.8442**		**979.0410**	**979.0410**		**979.0410**	**979.0410**	**98,153.7251**	**24,295.5987**	**122,449.3238**	**32.6951**	**8.3866**	**125,765.8977**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - Proposed Plan (2040)

Solano-Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	7,591.00	Dwelling Unit	2,464.61	13,663,800.00	21710
Apartments Mid Rise	1,915.00	Dwelling Unit	50.39	1,915,000.00	5477
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
Elementary School	6,669.04	1000sqft	153.10	6,669,039.00	0
City Park	130.50	Acre	130.50	5,684,580.00	0
Government Office Building	2,291.26	1000sqft	52.60	2,291,256.00	0
General Office Building	888.62	1000sqft	20.40	888,624.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	146.56	Room	4.89	212,800.04	0
Supermarket	1,472.33	1000sqft	33.80	1,472,328.00	0
Strip Mall	3,406.39	1000sqft	78.20	3,406,392.00	0
Regional Shopping Center	25,682.97	1000sqft	589.60	25,682,972.00	0
General Heavy Industry	10,023.16	1000sqft	230.10	10,023,160.00	0
General Light Industry	8,881.88	1000sqft	203.90	8,881,884.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2040

Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	152.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor includes RPS benefit up to 2030.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Trips and VMT - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match VMT resulting from implementation of the Proposed Plan.

Woodstoves - No woodstoves.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,018,933.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	90,056,798.00	0.00
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tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2819	12/30/2776
tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
tblLandUse	LandUseSquareFeet	6,669,040.00	6,669,039.00
tblLandUse	LandUseSquareFeet	2,291,260.00	2,291,256.00
tblLandUse	LandUseSquareFeet	212,800.76	212,800.04
tblLandUse	LandUseSquareFeet	1,472,330.00	1,472,328.00
tblLandUse	LandUseSquareFeet	3,406,390.00	3,406,392.00
tblLandUse	LandUseSquareFeet	25,683,000.00	25,682,972.00
tblLandUse	LandUseSquareFeet	10,023,200.00	10,023,160.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblWoodstoves	NumberNoncatalytic	189.78	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221
Energy	5.5892	50.1111	37.5481	0.3049		3.8616	3.8616		3.8616	3.8616	0.0000	103,341.4120	103,341.4120	10.2113	2.9074	104,463.1036
Mobile	9.0117	69.6153	109.6591	0.7214	4,749.1821	0.2797	4,749.4618	485.4772	0.2609	485.7381	0.0000	66,769.7681	66,769.7681	1.8684	0.0000	66,816.4777
Waste						0.0000	0.0000		0.0000	0.0000	17,641.7944	0.0000	17,641.7944	1,042.6002	0.0000	43,706.7988
Water						0.0000	0.0000		0.0000	0.0000	2,588.0313	3,717.2076	6,305.2390	266.5239	6.4230	14,882.3972
Total	**614.9644**	**124.3302**	**505.1391**	**1.5139**	**4,749.1821**	**44.4972**	**4,793.6793**	**485.4772**	**44.4785**	**529.9557**	**23,880.6117**	**174,795.7264**	**198,676.3381**	**1,322.4814**	**9.6424**	**234,611.7994**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221
Energy	5.5892	50.1111	37.5481	0.3049		3.8616	3.8616		3.8616	3.8616	0.0000	103,341.4120	103,341.4120	10.2113	2.9074	104,463.1036
Mobile	9.0117	69.6153	109.6591	0.7214	4,749.1821	0.2797	4,749.4618	485.4772	0.2609	485.7381	0.0000	66,769.7681	66,769.7681	1.8684	0.0000	66,816.4777
Waste						0.0000	0.0000		0.0000	0.0000	17,641.7944	0.0000	17,641.7944	1,042.6002	0.0000	43,706.7988
Water						0.0000	0.0000		0.0000	0.0000	2,588.0313	3,717.2076	6,305.2390	266.5239	6.4230	14,882.3972
Total	**614.9644**	**124.3302**	**505.1391**	**1.5139**	**4,749.1821**	**44.4972**	**4,793.6793**	**485.4772**	**44.4785**	**529.9557**	**23,880.6117**	**174,795.7264**	**198,676.3381**	**1,322.4814**	**9.6424**	**234,611.7994**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.0117	69.6153	109.6591	0.7214	4,749.1821	0.2797	4,749.4618	485.4772	0.2609	485.7381	0.0000	66,769.7681	66,769.7681	1.8684	0.0000	66,816.4777
Unmitigated	9.0117	69.6153	109.6591	0.7214	4,749.1821	0.2797	4,749.4618	485.4772	0.2609	485.7381	0.0000	66,769.7681	66,769.7681	1.8684	0.0000	66,816.4777

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	421.30	421.30	383.00	1,493,939	1,493,939
City Park	7.83	100.49	74.39	109,844	109,844
Elementary School	3,467.90	0.00	0.00	8,899,326	8,899,326
General Heavy Industry	501.16	501.16	501.16	1,800,500	1,800,500
General Light Industry	2,131.65	355.28	177.64	5,743,758	5,743,758
General Office Building	328.79	71.09	35.54	898,472	898,472
Government Office Building	5,338.63	0.00	0.00	13,699,983	13,699,983
Hotel	41.04	41.04	29.31	141,411	141,411
Library	30.04	24.82	13.60	96,804	96,804
Medical Office Building	12.30	3.03	0.50	33,382	33,382
Mobile Home Park	8.16	8.16	7.20	28,824	28,824
Place of Worship	149.89	169.23	599.56	779,222	779,222
Regional Shopping Center	36,983.48	43,404.22	21830.53	128,388,088	128,388,088
Single Family Housing	2,429.12	2,505.03	2201.39	8,649,131	8,649,131
Strip Mall	5,109.59	4,837.08	2350.41	16,801,131	16,801,131
Supermarket	5,079.53	8,833.97	8274.48	21,815,836	21,815,836
Total	62,040.40	61,275.88	36,478.71	209,379,650	209,379,650

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	9.87	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	9.87	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
City Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Elementary School	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Heavy Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Light Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Government Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Hotel	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Library	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Medical Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Mobile Home Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Place of Worship	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Regional Shopping Center	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Single Family Housing	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Strip Mall	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Supermarket	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	48,027.3532	48,027.3532	9.1511	1.8933	48,820.3410
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	48,027.3532	48,027.3532	9.1511	1.8933	48,820.3410
NaturalGas Mitigated	5.5892	50.1111	37.5481	0.3049		3.8616	3.8616		3.8616	3.8616	0.0000	55,314.0588	55,314.0588	1.0602	1.0141	55,642.7626
NaturalGas Unmitigated	5.5892	50.1111	37.5481	0.3049		3.8616	3.8616		3.8616	3.8616	0.0000	55,314.0588	55,314.0588	1.0602	1.0141	55,642.7626

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.65445e+007	0.0892	0.7624	0.3244	4.8700e-003		0.0616	0.0616		0.0616	0.0616	0.0000	882.8800	882.8800	0.0169	0.0162	888.1265
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22977e+008	0.6631	6.0283	5.0638	0.0362		0.4582	0.4582		0.4582	0.4582	0.0000	6,562.5253	6,562.5253	0.1258	0.1203	6,601.5231
General Heavy Industry	2.64411e+008	1.4258	12.9613	10.8875	0.0778		0.9851	0.9851		0.9851	0.9851	0.0000	14,109.9758	14,109.9758	0.2704	0.2587	14,193.8243
General Light Industry	2.34304e+008	1.2634	11.4855	9.6478	0.0689		0.8729	0.8729		0.8729	0.8729	0.0000	12,503.3591	12,503.3591	0.2397	0.2292	12,577.6603
General Office Building	1.45468e+007	0.0784	0.7131	0.5990	4.2800e-003		0.0542	0.0542		0.0542	0.0542	0.0000	776.2713	776.2713	0.0149	0.0142	780.8843
Government Office Building	3.75079e+007	0.2023	1.8386	1.5444	0.0110		0.1397	0.1397		0.1397	0.1397	0.0000	2,001.5623	2,001.5623	0.0384	0.0367	2,013.4566
Hotel	9.42917e+006	0.0508	0.4622	0.3883	2.7700e-003		0.0351	0.0351		0.0351	0.0351	0.0000	503.1764	503.1764	9.6400e-003	9.2200e-003	506.1665
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	6.08686e+007	0.3282	2.9838	2.5064	0.0179		0.2268	0.2268		0.2268	0.2268	0.0000	3,248.1826	3,248.1826	0.0623	0.0596	3,267.4850
Single Family Housing	2.20633e+008	1.1897	10.1664	4.3261	0.0649		0.8220	0.8220		0.8220	0.8220	0.0000	11,773.8223	11,773.8223	0.2257	0.2159	11,843.7883
Strip Mall	8.07315e+006	0.0435	0.3957	0.3324	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.8140	430.8140	8.2600e-003	7.9000e-003	433.3741
Supermarket	3.30979e+007	0.1785	1.6225	1.3629	9.7300e-003		0.1233	0.1233		0.1233	0.1233	0.0000	1,766.2318	1,766.2318	0.0339	0.0324	1,776.7276
Total		**5.5892**	**50.1111**	**37.5481**	**0.3049**		**3.8617**	**3.8617**		**3.8617**	**3.8617**	**0.0000**	**55,314.0588**	**55,314.0588**	**1.0602**	**1.0141**	**55,642.7626**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.65445e+007	0.0892	0.7624	0.3244	4.8700e-003		0.0616	0.0616		0.0616	0.0616	0.0000	882.8800	882.8800	0.0169	0.0162	888.1265
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22977e+008	0.6631	6.0283	5.0638	0.0362		0.4582	0.4582		0.4582	0.4582	0.0000	6,562.5253	6,562.5253	0.1258	0.1203	6,601.5231
General Heavy Industry	2.64411e+008	1.4258	12.9613	10.8875	0.0778		0.9851	0.9851		0.9851	0.9851	0.0000	14,109.9758	14,109.9758	0.2704	0.2587	14,193.8243
General Light Industry	2.34304e+008	1.2634	11.4855	9.6478	0.0689		0.8729	0.8729		0.8729	0.8729	0.0000	12,503.3591	12,503.3591	0.2397	0.2292	12,577.6603
General Office Building	1.45468e+007	0.0784	0.7131	0.5990	4.2800e-003		0.0542	0.0542		0.0542	0.0542	0.0000	776.2713	776.2713	0.0149	0.0142	780.8843
Government Office Building	3.75079e+007	0.2023	1.8386	1.5444	0.0110		0.1397	0.1397		0.1397	0.1397	0.0000	2,001.5623	2,001.5623	0.0384	0.0367	2,013.4566
Hotel	9.42917e+006	0.0508	0.4622	0.3883	2.7700e-003		0.0351	0.0351		0.0351	0.0351	0.0000	503.1764	503.1764	9.6400e-003	9.2200e-003	506.1665
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	6.08686e+007	0.3282	2.9838	2.5064	0.0179		0.2268	0.2268		0.2268	0.2268	0.0000	3,248.1826	3,248.1826	0.0623	0.0596	3,267.4850
Single Family Housing	2.20633e+008	1.1897	10.1664	4.3261	0.0649		0.8220	0.8220		0.8220	0.8220	0.0000	11,773.8223	11,773.8223	0.2257	0.2159	11,843.7883
Strip Mall	8.07315e+006	0.0435	0.3957	0.3324	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.8140	430.8140	8.2600e-003	7.9000e-003	433.3741
Supermarket	3.30979e+007	0.1785	1.6225	1.3629	9.7300e-003		0.1233	0.1233		0.1233	0.1233	0.0000	1,766.2318	1,766.2318	0.0339	0.0324	1,776.7276
Total		**5.5892**	**50.1111**	**37.5481**	**0.3049**		**3.8617**	**3.8617**		**3.8617**	**3.8617**	**0.0000**	**55,314.0588**	**55,314.0588**	**1.0602**	**1.0141**	**55,642.7626**

5.3 Energy by Land Use - Electricity

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.90579e+006	545.7901	0.1040	0.0215	554.8018
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	3.59461e+007	2,481.6036	0.4728	0.0978	2,522.5778
General Heavy Industry	8.27913e+007	5,715.6431	1.0891	0.2253	5,810.0151
General Light Industry	7.33644e+007	5,064.8378	0.9651	0.1997	5,148.4641
General Office Building	1.58442e+007	1,093.8299	0.2084	0.0431	1,111.8903
Government Office Building	4.08531e+007	2,820.3652	0.5374	0.1112	2,866.9328
Hotel	1.62154e+006	111.9456	0.0213	4.4100e-003	113.7940
Library	130591	9.0156	1.7200e-003	3.6000e-004	9.1644
Medical Office Building	179798	12.4127	2.3700e-003	4.9000e-004	12.6176
Mobile Home Park	256948	17.7389	3.3800e-003	7.0000e-004	18.0318
Place of Worship	3.99384e+006	275.7219	0.0525	0.0109	280.2744
Regional Shopping Center	2.74551e+008	18,954.1091	3.6115	0.7472	19,267.0636
Single Family Housing	6.14155e+007	4,239.9282	0.8079	0.1672	4,309.9344
Strip Mall	3.64143e+007	2,513.9274	0.4790	0.0991	2,555.4352
Supermarket	6.04096e+007	4,170.4842	0.7946	0.1644	4,239.3438
Total		**48,027.3532**	**9.1511**	**1.8933**	**48,820.3410**

5.3 Energy by Land Use - Electricity

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.90579e+006	545.7901	0.1040	0.0215	554.8018
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	3.59461e+007	2,481.6036	0.4728	0.0978	2,522.5778
General Heavy Industry	8.27913e+007	5,715.6431	1.0891	0.2253	5,810.0151
General Light Industry	7.33644e+007	5,064.8378	0.9651	0.1997	5,148.4641
General Office Building	1.58442e+007	1,093.8299	0.2084	0.0431	1,111.8903
Government Office Building	4.08531e+007	2,820.3652	0.5374	0.1112	2,866.9328
Hotel	1.62154e+006	111.9456	0.0213	4.4100e-003	113.7940
Library	130591	9.0156	1.7200e-003	3.6000e-004	9.1644
Medical Office Building	179798	12.4127	2.3700e-003	4.9000e-004	12.6176
Mobile Home Park	256948	17.7389	3.3800e-003	7.0000e-004	18.0318
Place of Worship	3.99384e+006	275.7219	0.0525	0.0109	280.2744
Regional Shopping Center	2.74551e+008	18,954.1091	3.6115	0.7472	19,267.0636
Single Family Housing	6.14155e+007	4,239.9282	0.8079	0.1672	4,309.9344
Strip Mall	3.64143e+007	2,513.9274	0.4790	0.0991	2,555.4352
Supermarket	6.04096e+007	4,170.4842	0.7946	0.1644	4,239.3438
Total		**48,027.3532**	**9.1511**	**1.8933**	**48,820.3410**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221
Unmitigated	600.3635	4.6038	357.9319	0.4877		40.3559	40.3559		40.3559	40.3559	3,650.7860	967.3386	4,618.1246	1.2776	0.3119	4,743.0221

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	51.5255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	295.5993					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	251.0761	3.7836	286.7552	0.4839		39.9606	39.9606		39.9606	39.9606	3,650.7860	850.3861	4,501.1721	1.1646	0.3119	4,623.2430
Landscaping	2.1626	0.8202	71.1767	3.7900e-003		0.3953	0.3953		0.3953	0.3953	0.0000	116.9524	116.9524	0.1131	0.0000	119.7790
Total	**600.3635**	**4.6038**	**357.9319**	**0.4877**		**40.3559**	**40.3559**		**40.3559**	**40.3559**	**3,650.7860**	**967.3386**	**4,618.1246**	**1.2776**	**0.3119**	**4,743.0221**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	51.5255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	295.5993					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	251.0761	3.7836	286.7552	0.4839		39.9606	39.9606		39.9606	39.9606	3,650.7860	850.3861	4,501.1721	1.1646	0.3119	4,623.2430
Landscaping	2.1626	0.8202	71.1767	3.7900e-003		0.3953	0.3953		0.3953	0.3953	0.0000	116.9524	116.9524	0.1131	0.0000	119.7790
Total	**600.3635**	**4.6038**	**357.9319**	**0.4877**		**40.3559**	**40.3559**		**40.3559**	**40.3559**	**3,650.7860**	**967.3386**	**4,618.1246**	**1.2776**	**0.3119**	**4,743.0221**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6,305.2390	266.5239	6.4230	14,882.3972
Unmitigated	6,305.2390	266.5239	6.4230	14,882.3972

7.2 Water by Land Use

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	124.77 / 78.6593	105.1989	4.0781	0.0986	236.5306
City Park	0 / 155.488	37.5704	7.1600e-003	1.4800e-003	38.1908
Elementary School	193.382 / 497.267	253.7442	6.3380	0.1564	458.7934
General Heavy Industry	2317.86 / 0	1,601.2084	75.6926	1.8175	4,035.1411
General Light Industry	2053.93 / 0	1,418.8823	67.0737	1.6106	3,575.6684
General Office Building	157.938 / 96.8006	132.4951	5.1621	0.1248	298.7278
Government Office Building	455.181 / 278.982	381.8544	14.8773	0.3596	860.9417
Hotel	3.71775 / 0.413084	2.6681	0.1214	2.9200e-003	6.5737
Library	0.494678 / 0.773727	0.5287	0.0162	4.0000e-004	1.0512
Medical Office Building	1.26484 / 0.240923	0.9320	0.0413	9.9000e-004	2.2611
Mobile Home Park	3.12739 / 1.97162	2.6368	0.1022	2.4700e-003	5.9287
Place of Worship	15.1288 / 23.663	16.1688	0.4951	0.0121	32.1496
Regional Shopping Center	1902.4 / 1165.99	1,595.9400	62.1790	1.5028	3,598.2598
Single Family Housing	494.584 / 311.803	417.0052	16.1656	0.3908	937.5998
Strip Mall	252.32 / 154.648	211.6729	8.2469	0.1993	477.2447
Supermarket	181.491 / 5.61314	126.7328	5.9271	0.1424	317.3349
Total		**6,305.2389**	**266.5239**	**6.4230**	**14,882.3972**

7.2 Water by Land Use

Mitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	124.77 / 78.6593	105.1989	4.0781	0.0986	236.5306
City Park	0 / 155.488	37.5704	7.1600e-003	1.4800e-003	38.1908
Elementary School	193.382 / 497.267	253.7442	6.3380	0.1564	458.7934
General Heavy Industry	2317.86 / 0	1,601.2084	75.6926	1.8175	4,035.1411
General Light Industry	2053.93 / 0	1,418.8823	67.0737	1.6106	3,575.6684
General Office Building	157.938 / 96.8006	132.4951	5.1621	0.1248	298.7278
Government Office Building	455.181 / 278.982	381.8544	14.8773	0.3596	860.9417
Hotel	3.71775 / 0.413084	2.6681	0.1214	2.9200e-003	6.5737
Library	0.494678 / 0.773727	0.5287	0.0162	4.0000e-004	1.0512
Medical Office Building	1.26484 / 0.240923	0.9320	0.0413	9.9000e-004	2.2611
Mobile Home Park	3.12739 / 1.97162	2.6368	0.1022	2.4700e-003	5.9287
Place of Worship	15.1288 / 23.663	16.1688	0.4951	0.0121	32.1496
Regional Shopping Center	1902.4 / 1165.99	1,595.9400	62.1790	1.5028	3,598.2598
Single Family Housing	494.584 / 311.803	417.0052	16.1656	0.3908	937.5998
Strip Mall	252.32 / 154.648	211.6729	8.2469	0.1993	477.2447
Supermarket	181.491 / 5.61314	126.7328	5.9271	0.1424	317.3349
Total		**6,305.2389**	**266.5239**	**6.4230**	**14,882.3972**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17,641.7944	1,042.6002	0.0000	43,706.7988
Unmitigated	17,641.7944	1,042.6002	0.0000	43,706.7988

8.2 Waste by Land Use

Unmitigated

Dixon Operational Emissions - Proposed Plan (2040) - Solano-Sacramento County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	880.9	178.8147	10.5677	0.0000	443.0060
City Park	11.22	2.2776	0.1346	0.0000	5.6426
Elementary School	8669.75	1,759.8809	104.0060	0.0000	4,360.0304
General Heavy Industry	12428.8	2,522.9280	149.1008	0.0000	6,250.4473
General Light Industry	11013.5	2,235.6471	132.1230	0.0000	5,538.7210
General Office Building	826.42	167.7558	9.9141	0.0000	415.6079
Government Office Building	2130.87	432.5474	25.5628	0.0000	1,071.6178
Hotel	80.24	16.2880	0.9626	0.0000	40.3528
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	26967.2	5,474.0877	323.5093	0.0000	13,561.8207
Single Family Housing	9118.2	1,850.9122	109.3858	0.0000	4,585.5566
Strip Mall	3576.71	726.0398	42.9077	0.0000	1,798.7329
Supermarket	8303.94	1,685.6248	99.6176	0.0000	4,176.0640
Total		**17,641.7944**	**1,042.6002**	**0.0000**	**43,706.7989**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	880.9	178.8147	10.5677	0.0000	443.0060
City Park	11.22	2.2776	0.1346	0.0000	5.6426
Elementary School	8669.75	1,759.8809	104.0060	0.0000	4,360.0304
General Heavy Industry	12428.8	2,522.9280	149.1008	0.0000	6,250.4473
General Light Industry	11013.5	2,235.6471	132.1230	0.0000	5,538.7210
General Office Building	826.42	167.7558	9.9141	0.0000	415.6079
Government Office Building	2130.87	432.5474	25.5628	0.0000	1,071.6178
Hotel	80.24	16.2880	0.9626	0.0000	40.3528
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	26967.2	5,474.0877	323.5093	0.0000	13,561.8207
Single Family Housing	9118.2	1,850.9122	109.3858	0.0000	4,585.5566
Strip Mall	3576.71	726.0398	42.9077	0.0000	1,798.7329
Supermarket	8303.94	1,685.6248	99.6176	0.0000	4,176.0640
Total		**17,641.7944**	**1,042.6002**	**0.0000**	**43,706.7989**

9.0 Operational Offroad

-

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - No Project (2040)

Solano-Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	6,663.00	Dwelling Unit	2,163.31	11,993,400.00	19056
Apartments Mid Rise	1,509.00	Dwelling Unit	39.71	1,509,000.00	4316
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Elementary School	5,174.93	1000sqft	118.80	5,174,928.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
City Park	110.50	Acre	110.50	4,813,380.00	0
Government Office Building	7,318.08	1000sqft	168.00	7,318,080.00	0
General Office Building	736.16	1000sqft	16.90	736,164.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	127.84	Room	4.26	185,626.00	0
Supermarket	3,053.56	1000sqft	70.10	3,053,556.00	0
Strip Mall	2,160.58	1000sqft	49.60	2,160,576.00	0
Regional Shopping Center	1,354.72	1000sqft	31.10	1,354,716.00	0
General Heavy Industry	14,217.98	1000sqft	326.40	14,217,980.00	0
Unrefrigerated Warehouse-No Rail	1,925.35	1000sqft	44.20	1,925,352.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2040

Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	152.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor includes RPS benefit up to 2030.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Trips and VMT - No construction.

On-road Fugitive Dust - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match VMT resulting from implementation of the No Project Alternative.

Woodstoves - No woodstoves.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	18,318,194.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	54,954,582.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	9,153,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	27,459,000.00	0.00

tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2819	12/30/2776
tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
tblLandUse	LandUseSquareFeet	5,174,930.00	5,174,928.00
tblLandUse	LandUseSquareFeet	185,626.58	185,626.00
tblLandUse	LandUseSquareFeet	3,053,560.00	3,053,556.00
tblLandUse	LandUseSquareFeet	2,160,580.00	2,160,576.00
tblLandUse	LandUseSquareFeet	1,354,720.00	1,354,716.00
tblLandUse	LandUseSquareFeet	14,218,000.00	14,217,980.00
tblLandUse	LandUseSquareFeet	1,925,350.00	1,925,352.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	UsageHours	6.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	HaulingPercentPave	94.00	0.00
tblOnRoadDust	HaulingPercentPave	94.00	0.00
tblOnRoadDust	HaulingPercentPave	94.00	0.00
tblOnRoadDust	HaulingPercentPave	94.00	0.00
tblOnRoadDust	HaulingPercentPave	94.00	0.00
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tblOnRoadDust	VendorPercentPave	94.00	0.00
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tblOnRoadDust	VendorPercentPave	94.00	0.00
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tblOnRoadDust	VendorPercentPave	94.00	0.00
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tblOnRoadDust	WorkerPercentPave	94.00	0.00
tblOnRoadDust	WorkerPercentPave	94.00	0.00
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tblOnRoadDust	WorkerPercentPave	94.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	152.2
tblTripsAndVMT	VendorTripNumber	7,672.00	0.00
tblTripsAndVMT	WorkerTripNumber	19,465.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,893.00	0.00
tblVehicleTrips	CC_TL	5.00	10.17
tblVehicleTrips	CC_TL	5.00	10.17

tblVehicleTrips	CC_TL	5.00	10.17
tblVehicleTrips	CC_TL	5.00	10.17
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tblVehicleTrips	CC_TL	5.00	10.17
tblVehicleTrips	CC_TL	5.00	10.17
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tblVehicleTrips	CC_TL	5.00	10.17
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tblVehicleTrips	CC_TL	5.00	10.17
tblVehicleTrips	CC_TTP	48.00	100.00
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tblVehicleTrips	CC_TTP	61.60	100.00
tblVehicleTrips	CC_TTP	43.00	100.00
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tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CC_TTP	74.50	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
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tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00

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tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
tblVehicleTrips	CNW_TL	7.00	0.00
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tblVehicleTrips	CNW_TTP	13.00	0.00
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tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CW_TL	10.00	0.00
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tblVehicleTrips	CW_TTP	19.40	0.00
tblVehicleTrips	CW_TTP	52.00	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	34.00	0.00

tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	44.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
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tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TL	7.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
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tblVehicleTrips	HS_TTP	13.00	0.00
tblVehicleTrips	HW_TL	10.00	10.17
tblVehicleTrips	HW_TL	10.00	10.17
tblVehicleTrips	HW_TL	10.00	10.17
tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	HW_TTP	46.00	100.00

tblVehicleTrips	HW_TTP	46.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
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tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
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tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	44.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00

tblVehicleTrips	PR_TP	64.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	6.39	0.30
tblVehicleTrips	ST_TR	22.75	1.06
tblVehicleTrips	ST_TR	1.50	0.07
tblVehicleTrips	ST_TR	2.46	0.11
tblVehicleTrips	ST_TR	8.19	0.38
tblVehicleTrips	ST_TR	46.55	2.16
tblVehicleTrips	ST_TR	8.96	0.42
tblVehicleTrips	ST_TR	5.00	0.23
tblVehicleTrips	ST_TR	10.37	0.48
tblVehicleTrips	ST_TR	49.97	2.32
tblVehicleTrips	ST_TR	9.91	0.46
tblVehicleTrips	ST_TR	42.04	1.95
tblVehicleTrips	ST_TR	177.59	8.24
tblVehicleTrips	ST_TR	1.68	0.08
tblVehicleTrips	SU_TR	5.86	0.27
tblVehicleTrips	SU_TR	16.74	0.78
tblVehicleTrips	SU_TR	1.50	0.07
tblVehicleTrips	SU_TR	1.05	0.05
tblVehicleTrips	SU_TR	5.95	0.28
tblVehicleTrips	SU_TR	25.49	1.18
tblVehicleTrips	SU_TR	1.55	0.07

tblVehicleTrips	SU_TR	4.36	0.20
tblVehicleTrips	SU_TR	36.63	1.70
tblVehicleTrips	SU_TR	25.24	1.17
tblVehicleTrips	SU_TR	8.62	0.40
tblVehicleTrips	SU_TR	20.43	0.95
tblVehicleTrips	SU_TR	166.44	7.72
tblVehicleTrips	SU_TR	1.68	0.08
tblVehicleTrips	WD_TR	6.65	0.31
tblVehicleTrips	WD_TR	1.89	0.09
tblVehicleTrips	WD_TR	15.43	0.72
tblVehicleTrips	WD_TR	1.50	0.07
tblVehicleTrips	WD_TR	11.03	0.51
tblVehicleTrips	WD_TR	68.93	3.20
tblVehicleTrips	WD_TR	8.17	0.38
tblVehicleTrips	WD_TR	56.24	2.61
tblVehicleTrips	WD_TR	36.13	1.68
tblVehicleTrips	WD_TR	4.99	0.23
tblVehicleTrips	WD_TR	9.11	0.42
tblVehicleTrips	WD_TR	42.70	1.98
tblVehicleTrips	WD_TR	9.52	0.44
tblVehicleTrips	WD_TR	44.32	2.06
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tblVehicleTrips	WD_TR	1.68	0.08
tblWoodstoves	NumberCatalytic	75.45	0.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	166.57	0.00
tblWoodstoves	NumberNoncatalytic	75.45	0.00

tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	166.57	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6,251.1379	78.4422	6,165.4065	8.8052		755.6108	755.6108		755.6108	755.6108	73,767.0568	19,363.6000	93,130.6568	1.5306	6.8413	95,207.6349
Energy	27.0369	242.4456	181.9387	1.4747		18.6800	18.6800		18.6800	18.6800		294,947.8883	294,947.8883	5.6532	5.4074	296,700.6161
Mobile	64.2701	430.9661	753.1012	4.8743	30,471.5564	1.7887	30,473.3451	3,117.1958	1.6688	3,118.8646		496,926.7632	496,926.7632	12.9795		497,251.2511
Total	**6,342.4449**	**751.8539**	**7,100.4464**	**15.1543**	**30,471.5564**	**776.0795**	**31,247.6359**	**3,117.1958**	**775.9596**	**3,893.1554**	**73,767.0568**	**811,238.2515**	**885,005.3083**	**20.1632**	**12.2487**	**889,159.5021**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6,251.1379	78.4422	6,165.4065	8.8052		755.6108	755.6108		755.6108	755.6108	73,767.0568	19,363.6000	93,130.6568	1.5306	6.8413	95,207.6349
Energy	27.0369	242.4456	181.9387	1.4747		18.6800	18.6800		18.6800	18.6800		294,947.8883	294,947.8883	5.6532	5.4074	296,700.6161
Mobile	64.2701	430.9661	753.1012	4.8743	30,471.5564	1.7887	30,473.3451	3,117.1958	1.6688	3,118.8646		496,926.7632	496,926.7632	12.9795		497,251.2511
Total	**6,342.4449**	**751.8539**	**7,100.4464**	**15.1543**	**30,471.5564**	**776.0795**	**31,247.6359**	**3,117.1958**	**775.9596**	**3,893.1554**	**73,767.0568**	**811,238.2515**	**885,005.3083**	**20.1632**	**12.2487**	**889,159.5021**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	64.2701	430.9661	753.1012	4.8743	30,471.5564	1.7887	30,473.3451	3,117.1958	1.6688	3,118.8646		496,926.7632	496,926.7632	12.9795		497,251.2511
Unmitigated	64.2701	430.9661	753.1012	4.8743	30,471.5564	1.7887	30,473.3451	3,117.1958	1.6688	3,118.8646		496,926.7632	496,926.7632	12.9795		497,251.2511

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	467.79	452.70	407.43	1,691,801	1,691,801
City Park	9.95	117.13	86.19	133,820	133,820
Elementary School	3,725.95	0.00	0.00	9,852,152	9,852,152
General Heavy Industry	995.26	995.26	995.26	3,684,328	3,684,328
General Office Building	375.44	80.98	36.81	1,055,038	1,055,038
Government Office Building	23,417.86	0.00	0.00	61,921,495	61,921,495
Hotel	48.58	48.58	35.80	173,076	173,076
Library	41.26	34.15	18.66	137,036	137,036
Medical Office Building	16.94	4.24	0.71	47,409	47,409
Mobile Home Park	11.04	11.04	9.60	40,107	40,107
Place of Worship	203.08	232.09	821.98	1,094,407	1,094,407
Regional Shopping Center	2,682.34	3,142.94	1585.02	9,592,971	9,592,971
Single Family Housing	2,931.72	3,064.98	2665.20	10,782,402	10,782,402
Strip Mall	4,450.79	4,213.12	2052.55	15,082,307	15,082,307
Supermarket	14,473.86	25,161.30	23573.45	64,044,656	64,044,656
Unrefrigerated Warehouse-No Rail	154.03	154.03	154.03	570,194	570,194
Total	54,005.87	37,712.53	32,442.67	179,903,200	179,903,200

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.17	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	10.17	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	10.17	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
City Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Elementary School	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Heavy Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Government Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Hotel	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Library	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Medical Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Mobile Home Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Place of Worship	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Regional Shopping Center	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Single Family Housing	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Strip Mall	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Supermarket	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Unrefrigerated Warehouse-No Rail	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	27.0369	242.4456	181.9387	1.4747		18.6800	18.6800		18.6800	18.6800		294,947.8883	294,947.8883	5.6532	5.4074	296,700.6161
NaturalGas Unmitigated	27.0369	242.4456	181.9387	1.4747		18.6800	18.6800		18.6800	18.6800		294,947.8883	294,947.8883	5.6532	5.4074	296,700.6161

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	35717.6	0.3852	3.2916	1.4007	0.0210		0.2661	0.2661		0.2661	0.2661		4,202.0725	4,202.0725	0.0805	0.0770	4,227.0434
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	261440	2.8195	25.6314	21.5304	0.1538		1.9480	1.9480		1.9480	1.9480		30,757.6704	30,757.6704	0.5895	0.5639	30,940.4478
General Heavy Industry	1.02759e+006	11.0819	100.7441	84.6251	0.6045		7.6566	7.6566		7.6566	7.6566		120,892.9291	120,892.9291	2.3171	2.2164	121,611.3353
General Office Building	33016.5	0.3561	3.2369	2.7190	0.0194		0.2460	0.2460		0.2460	0.2460		3,884.2884	3,884.2884	0.0745	0.0712	3,907.3708
Government Office Building	328211	3.5395	32.1775	27.0291	0.1931		2.4455	2.4455		2.4455	2.4455		38,613.0442	38,613.0442	0.7401	0.7079	38,842.5022
Hotel	22534.5	0.2430	2.2093	1.8558	0.0133		0.1679	0.1679		0.1679	0.1679		2,651.1162	2,651.1162	0.0508	0.0486	2,666.8705
Library	1142.65	0.0123	0.1120	0.0941	6.7000e-004		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003		134.4296	134.4296	2.5800e-003	2.4600e-003	135.2284
Medical Office Building	452.26	4.8800e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.2071	53.2071	1.0200e-003	9.8000e-004	53.5233
Mobile Home Park	2234.81	0.0241	0.2060	0.0876	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9184	262.9184	5.0400e-003	4.8200e-003	264.4808
Place of Worship	34945.6	0.3769	3.4260	2.8779	0.0206		0.2604	0.2604		0.2604	0.2604		4,111.2497	4,111.2497	0.0788	0.0754	4,135.6808
Regional Shopping Center	8796.38	0.0949	0.8624	0.7244	5.1700e-003		0.0655	0.0655		0.0655	0.0655		1,034.8677	1,034.8677	0.0198	0.0190	1,041.0174
Single Family Housing	530577	5.7219	48.8963	20.8070	0.3121		3.9533	3.9533		3.9533	3.9533		62,420.8524	62,420.8524	1.1964	1.1444	62,791.7884
Strip Mall	14028.9	0.1513	1.3754	1.1553	8.2500e-003		0.1045	0.1045		0.1045	0.1045		1,650.4642	1,650.4642	0.0316	0.0303	1,660.2721
Supermarket	188066	2.0282	18.4378	15.4878	0.1106		1.4013	1.4013		1.4013	1.4013		22,125.3631	22,125.3631	0.4241	0.4056	22,256.8430
Unrefrigerated Warehouse-No Rail	18304	0.1974	1.7945	1.5074	0.0108		0.1364	0.1364		0.1364	0.1364		2,153.4155	2,153.4155	0.0413	0.0395	2,166.2121
Total		**27.0369**	**242.4456**	**181.9387**	**1.4747**		**18.6800**	**18.6800**		**18.6800**	**18.6800**		**294,947.8883**	**294,947.8883**	**5.6532**	**5.4074**	**296,700.6161**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	35.7176	0.3852	3.2916	1.4007	0.0210		0.2661	0.2661		0.2661	0.2661		4,202.0725	4,202.0725	0.0805	0.0770	4,227.0434
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	261.44	2.8195	25.6314	21.5304	0.1538		1.9480	1.9480		1.9480	1.9480		30,757.6704	30,757.6704	0.5895	0.5639	30,940.4478
General Heavy Industry	1027.59	11.0819	100.7441	84.6251	0.6045		7.6566	7.6566		7.6566	7.6566		120,892.9291	120,892.9291	2.3171	2.2164	121,611.3353
General Office Building	33.0165	0.3561	3.2369	2.7190	0.0194		0.2460	0.2460		0.2460	0.2460		3,884.2884	3,884.2884	0.0745	0.0712	3,907.3708
Government Office Building	328.211	3.5395	32.1775	27.0291	0.1931		2.4455	2.4455		2.4455	2.4455		38,613.0442	38,613.0442	0.7401	0.7079	38,842.5022
Hotel	22.5345	0.2430	2.2093	1.8558	0.0133		0.1679	0.1679		0.1679	0.1679		2,651.1162	2,651.1162	0.0508	0.0486	2,666.8705
Library	1.14265	0.0123	0.1120	0.0941	6.7000e-004		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003		134.4296	134.4296	2.5800e-003	2.4600e-003	135.2284
Medical Office Building	0.45226	4.8800e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.2071	53.2071	1.0200e-003	9.8000e-004	53.5233
Mobile Home Park	2.23481	0.0241	0.2060	0.0876	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9184	262.9184	5.0400e-003	4.8200e-003	264.4808
Place of Worship	34.9456	0.3769	3.4260	2.8779	0.0206		0.2604	0.2604		0.2604	0.2604		4,111.2497	4,111.2497	0.0788	0.0754	4,135.6808
Regional Shopping Center	8.79638	0.0949	0.8624	0.7244	5.1700e-003		0.0655	0.0655		0.0655	0.0655		1,034.8677	1,034.8677	0.0198	0.0190	1,041.0174
Single Family Housing	530.577	5.7219	48.8963	20.8070	0.3121		3.9533	3.9533		3.9533	3.9533		62,420.8524	62,420.8524	1.1964	1.1444	62,791.7884
Strip Mall	14.0289	0.1513	1.3754	1.1553	8.2500e-003		0.1045	0.1045		0.1045	0.1045		1,650.4642	1,650.4642	0.0316	0.0303	1,660.2721
Supermarket	188.066	2.0282	18.4378	15.4878	0.1106		1.4013	1.4013		1.4013	1.4013		22,125.3631	22,125.3631	0.4241	0.4056	22,256.8430
Unrefrigerated Warehouse-No Rail	18.304	0.1974	1.7945	1.5074	0.0108		0.1364	0.1364		0.1364	0.1364		2,153.4155	2,153.4155	0.0413	0.0395	2,166.2121
Total		**27.0369**	**242.4456**	**181.9387**	**1.4747**		**18.6800**	**18.6800**		**18.6800**	**18.6800**		**294,947.8883**	**294,947.8883**	**5.6532**	**5.4074**	**296,700.6161**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6,251.1379	78.4422	6,165.4065	8.8052		755.6108	755.6108		755.6108	755.6108	73,767.0568	19,363.6000	93,130.6568	1.5306	6.8413	95,207.6349
Unmitigated	6,251.1379	78.4422	6,165.4065	8.8052		755.6108	755.6108		755.6108	755.6108	73,767.0568	19,363.6000	93,130.6568	1.5306	6.8413	95,207.6349

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	186.0619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,074.4507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4,970.0906	70.6154	5,486.5032	8.7692		751.8368	751.8368		751.8368	751.8368	73,767.0568	18,134.4706	91,901.5274	0.3476	6.8413	93,948.9311
Landscaping	20.5347	7.8268	678.9033	0.0361		3.7740	3.7740		3.7740	3.7740		1,229.1294	1,229.1294	1.1830		1,258.7038
Total	**6,251.1379**	**78.4422**	**6,165.4065**	**8.8052**		**755.6108**	**755.6108**		**755.6108**	**755.6108**	**73,767.0568**	**19,363.6000**	**93,130.6568**	**1.5306**	**6.8413**	**95,207.6349**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	186.0619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,074.4507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4,970.0906	70.6154	5,486.5032	8.7692		751.8368	751.8368		751.8368	751.8368	73,767.0568	18,134.4706	91,901.5274	0.3476	6.8413	93,948.9311
Landscaping	20.5347	7.8268	678.9033	0.0361		3.7740	3.7740		3.7740	3.7740		1,229.1294	1,229.1294	1.1830		1,258.7038
Total	**6,251.1379**	**78.4422**	**6,165.4065**	**8.8052**		**755.6108**	**755.6108**		**755.6108**	**755.6108**	**73,767.0568**	**19,363.6000**	**93,130.6568**	**1.5306**	**6.8413**	**95,207.6349**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Dixon Operational Emissions - No Project (2040)

Solano-Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	6,663.00	Dwelling Unit	2,163.31	11,993,400.00	19056
Apartments Mid Rise	1,509.00	Dwelling Unit	39.71	1,509,000.00	4316
Mobile Home Park	48.00	Dwelling Unit	6.05	57,600.00	137
Library	15.81	1000sqft	0.36	15,810.00	0
Elementary School	5,174.93	1000sqft	118.80	5,174,928.00	0
Place of Worship	483.52	1000sqft	11.10	483,516.00	0
City Park	110.50	Acre	110.50	4,813,380.00	0
Government Office Building	7,318.08	1000sqft	168.00	7,318,080.00	0
General Office Building	736.16	1000sqft	16.90	736,164.00	0
Medical Office Building	10.08	1000sqft	0.23	10,084.00	0
Hotel	127.84	Room	4.26	185,626.00	0
Supermarket	3,053.56	1000sqft	70.10	3,053,556.00	0
Strip Mall	2,160.58	1000sqft	49.60	2,160,576.00	0
Regional Shopping Center	1,354.72	1000sqft	31.10	1,354,716.00	0
General Heavy Industry	14,217.98	1000sqft	326.40	14,217,980.00	0
Unrefrigerated Warehouse-No Rail	1,925.35	1000sqft	44.20	1,925,352.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2040

Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	152.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor includes RPS benefit up to 2030.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Off-road Equipment - No construction.

Grading - No construction.

Trips and VMT - No construction.

On-road Fugitive Dust - No construction.

Architectural Coating - No construction.

Vehicle Trips - Scaled trip rate to match VMT resulting from implementation of the No Project Alternative.

Woodstoves - No woodstoves.

Energy Use -

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	155,000.00	0.00
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tblConstructionPhase	NumDays	15,500.00	0.00
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tblConstructionPhase	PhaseEndDate	11/1/2734	9/15/2140
tblConstructionPhase	PhaseEndDate	4/18/2058	12/19/2019
tblConstructionPhase	PhaseEndDate	9/15/2140	4/17/2081
tblConstructionPhase	PhaseEndDate	12/30/2776	11/1/2734
tblConstructionPhase	PhaseEndDate	4/17/2081	4/18/2058
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tblLandUse	LandUseSquareFeet	1,354,720.00	1,354,716.00
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tblVehicleTrips	WD_TR	11.03	0.51
tblVehicleTrips	WD_TR	68.93	3.20
tblVehicleTrips	WD_TR	8.17	0.38
tblVehicleTrips	WD_TR	56.24	2.61
tblVehicleTrips	WD_TR	36.13	1.68
tblVehicleTrips	WD_TR	4.99	0.23
tblVehicleTrips	WD_TR	9.11	0.42
tblVehicleTrips	WD_TR	42.70	1.98
tblVehicleTrips	WD_TR	9.52	0.44
tblVehicleTrips	WD_TR	44.32	2.06
tblVehicleTrips	WD_TR	102.24	4.74
tblVehicleTrips	WD_TR	1.68	0.08
tblWoodstoves	NumberCatalytic	75.45	0.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	166.57	0.00
tblWoodstoves	NumberNoncatalytic	75.45	0.00

tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	166.57	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2734	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	435.6654	3.5996	286.0479	0.3628		31.1650	31.1650		31.1650	31.1650	2,743.7343	774.8582	3,518.5925	0.1095	0.2545	3,597.1594
Energy	4.9342	44.2463	33.2038	0.2691		3.4091	3.4091		3.4091	3.4091	0.0000	85,056.6027	85,056.6027	7.8382	2.3233	85,944.8981
Mobile	7.6427	58.6977	93.7655	0.6180	4,080.5926	0.2396	4,080.8323	417.1318	0.2236	417.3553	0.0000	57,203.3631	57,203.3631	1.5887	0.0000	57,243.0809
Waste						0.0000	0.0000		0.0000	0.0000	13,448.1229	0.0000	13,448.1229	794.7613	0.0000	33,317.1552
Water						0.0000	0.0000		0.0000	0.0000	2,113.0205	2,976.7591	5,089.7796	217.5947	5.2418	12,091.7137
Total	**448.2424**	**106.5437**	**413.0173**	**1.2500**	**4,080.5926**	**34.8137**	**4,115.4063**	**417.1318**	**34.7977**	**451.9294**	**18,304.8777**	**146,011.5830**	**164,316.4607**	**1,021.8923**	**7.8196**	**192,194.0074**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	435.6654	3.5996	286.0479	0.3628		31.1650	31.1650		31.1650	31.1650	2,743.7343	774.8582	3,518.5925	0.1095	0.2545	3,597.1594
Energy	4.9342	44.2463	33.2038	0.2691		3.4091	3.4091		3.4091	3.4091	0.0000	85,056.6027	85,056.6027	7.8382	2.3233	85,944.8981
Mobile	7.6427	58.6977	93.7655	0.6180	4,080.5926	0.2396	4,080.8323	417.1318	0.2236	417.3553	0.0000	57,203.3631	57,203.3631	1.5887	0.0000	57,243.0809
Waste						0.0000	0.0000		0.0000	0.0000	13,448.1229	0.0000	13,448.1229	794.7613	0.0000	33,317.1552
Water						0.0000	0.0000		0.0000	0.0000	2,113.0205	2,976.7591	5,089.7796	217.5947	5.2418	12,091.7137
Total	**448.2424**	**106.5437**	**413.0173**	**1.2500**	**4,080.5926**	**34.8137**	**4,115.4063**	**417.1318**	**34.7977**	**451.9294**	**18,304.8777**	**146,011.5830**	**164,316.4607**	**1,021.8923**	**7.8196**	**192,194.0074**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/20/2019	12/19/2019	5	0	
2	Site Preparation	Site Preparation	4/19/2058	4/18/2058	5	0	
3	Grading	Grading	4/18/2081	4/17/2081	5	0	
4	Building Construction	Building Construction	9/16/2140	9/15/2140	5	0	
5	Paving	Paving	11/2/2734	11/1/2734	5	0	
6	Architectural Coating	Architectural Coating	12/31/2776	12/30/2776	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2734

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.6427	58.6977	93.7655	0.6180	4,080.5926	0.2396	4,080.8323	417.1318	0.2236	417.3553	0.0000	57,203.3631	57,203.3631	1.5887	0.0000	57,243.0809
Unmitigated	7.6427	58.6977	93.7655	0.6180	4,080.5926	0.2396	4,080.8323	417.1318	0.2236	417.3553	0.0000	57,203.3631	57,203.3631	1.5887	0.0000	57,243.0809

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	467.79	452.70	407.43	1,691,801	1,691,801
City Park	9.95	117.13	86.19	133,820	133,820
Elementary School	3,725.95	0.00	0.00	9,852,152	9,852,152
General Heavy Industry	995.26	995.26	995.26	3,684,328	3,684,328
General Office Building	375.44	80.98	36.81	1,055,038	1,055,038
Government Office Building	23,417.86	0.00	0.00	61,921,495	61,921,495
Hotel	48.58	48.58	35.80	173,076	173,076
Library	41.26	34.15	18.66	137,036	137,036
Medical Office Building	16.94	4.24	0.71	47,409	47,409
Mobile Home Park	11.04	11.04	9.60	40,107	40,107
Place of Worship	203.08	232.09	821.98	1,094,407	1,094,407
Regional Shopping Center	2,682.34	3,142.94	1585.02	9,592,971	9,592,971
Single Family Housing	2,931.72	3,064.98	2665.20	10,782,402	10,782,402
Strip Mall	4,450.79	4,213.12	2052.55	15,082,307	15,082,307
Supermarket	14,473.86	25,161.30	23573.45	64,044,656	64,044,656
Unrefrigerated Warehouse-No Rail	154.03	154.03	154.03	570,194	570,194
Total	54,005.87	37,712.53	32,442.67	179,903,200	179,903,200

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.17	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
General Heavy Industry	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Hotel	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Library	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	10.17	0.00	0.00	100.00	0.00	0.00	100	0	0
Place of Worship	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Regional Shopping Center	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Single Family Housing	10.17	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Supermarket	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	0.00	10.17	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
City Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Elementary School	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Heavy Industry	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
General Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Government Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Hotel	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Library	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Medical Office Building	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Mobile Home Park	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Place of Worship	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Regional Shopping Center	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Single Family Housing	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Strip Mall	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Supermarket	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591
Unrefrigerated Warehouse-No Rail	0.610976	0.032380	0.175368	0.095785	0.010224	0.004582	0.009330	0.049791	0.003299	0.001549	0.005509	0.000616	0.000591

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36,224.6719	36,224.6719	6.9022	1.4280	36,822.7836
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36,224.6719	36,224.6719	6.9022	1.4280	36,822.7836
NaturalGas Mitigated	4.9342	44.2463	33.2038	0.2691		3.4091	3.4091		3.4091	3.4091	0.0000	48,831.9308	48,831.9308	0.9360	0.8953	49,122.1145
NaturalGas Unmitigated	4.9342	44.2463	33.2038	0.2691		3.4091	3.4091		3.4091	3.4091	0.0000	48,831.9308	48,831.9308	0.9360	0.8953	49,122.1145

5.2 Energy by Land Use - NaturalGas

Unmitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.30369e+007	0.0703	0.6007	0.2556	3.8300e-003		0.0486	0.0486		0.0486	0.0486	0.0000	695.7002	695.7002	0.0133	0.0128	699.8344
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	9.54257e+007	0.5146	4.6777	3.9293	0.0281		0.3555	0.3555		0.3555	0.3555	0.0000	5,092.2773	5,092.2773	0.0976	0.0934	5,122.5381
General Heavy Industry	3.7507e+008	2.0224	18.3858	15.4441	0.1103		1.3973	1.3973		1.3973	1.3973	0.0000	20,015.1802	20,015.1802	0.3836	0.3669	20,134.1204
General Office Building	1.2051e+007	0.0650	0.5907	0.4962	3.5400e-003		0.0449	0.0449		0.0449	0.0449	0.0000	643.0875	643.0875	0.0123	0.0118	646.9091
Government Office Building	1.19797e+008	0.6460	5.8724	4.9328	0.0352		0.4463	0.4463		0.4463	0.4463	0.0000	6,392.8225	6,392.8225	0.1225	0.1172	6,430.8119
Hotel	8.22509e+006	0.0444	0.4032	0.3387	2.4200e-003		0.0306	0.0306		0.0306	0.0306	0.0000	438.9220	438.9220	8.4100e-003	8.0500e-003	441.5303
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	3.21068e+006	0.0173	0.1574	0.1322	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3340	171.3340	3.2800e-003	3.1400e-003	172.3521
Single Family Housing	1.93661e+008	1.0443	8.9236	3.7973	0.0570		0.7215	0.7215		0.7215	0.7215	0.0000	10,334.4722	10,334.4722	0.1981	0.1895	10,395.8848
Strip Mall	5.12057e+006	0.0276	0.2510	0.2109	1.5100e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.2529	273.2529	5.2400e-003	5.0100e-003	274.8767
Supermarket	6.86439e+007	0.3701	3.3649	2.8265	0.0202		0.2557	0.2557		0.2557	0.2557	0.0000	3,663.1020	3,663.1020	0.0702	0.0672	3,684.8700
Unrefrigerated Warehouse-No Rail	6.68097e+006	0.0360	0.3275	0.2751	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.5221	356.5221	6.8300e-003	6.5400e-003	358.6407
Total		**4.9342**	**44.2463**	**33.2038**	**0.2691**		**3.4091**	**3.4091**		**3.4091**	**3.4091**	**0.0000**	**48,831.9308**	**48,831.9308**	**0.9359**	**0.8953**	**49,122.1145**

5.2 Energy by Land Use - NaturalGas

Mitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.30369e+007	0.0703	0.6007	0.2556	3.8300e-003		0.0486	0.0486		0.0486	0.0486	0.0000	695.7002	695.7002	0.0133	0.0128	699.8344
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	9.54257e+007	0.5146	4.6777	3.9293	0.0281		0.3555	0.3555		0.3555	0.3555	0.0000	5,092.2773	5,092.2773	0.0976	0.0934	5,122.5381
General Heavy Industry	3.7507e+008	2.0224	18.3858	15.4441	0.1103		1.3973	1.3973		1.3973	1.3973	0.0000	20,015.1802	20,015.1802	0.3836	0.3669	20,134.1204
General Office Building	1.2051e+007	0.0650	0.5907	0.4962	3.5400e-003		0.0449	0.0449		0.0449	0.0449	0.0000	643.0875	643.0875	0.0123	0.0118	646.9091
Government Office Building	1.19797e+008	0.6460	5.8724	4.9328	0.0352		0.4463	0.4463		0.4463	0.4463	0.0000	6,392.8225	6,392.8225	0.1225	0.1172	6,430.8119
Hotel	8.22509e+006	0.0444	0.4032	0.3387	2.4200e-003		0.0306	0.0306		0.0306	0.0306	0.0000	438.9220	438.9220	8.4100e-003	8.0500e-003	441.5303
Library	417068	2.2500e-003	0.0204	0.0172	1.2000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	22.2563	22.2563	4.3000e-004	4.1000e-004	22.3886
Medical Office Building	165075	8.9000e-004	8.0900e-003	6.8000e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8090	8.8090	1.7000e-004	1.6000e-004	8.8614
Mobile Home Park	815704	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5291	43.5291	8.3000e-004	8.0000e-004	43.7878
Place of Worship	1.27552e+007	0.0688	0.6253	0.5252	3.7500e-003		0.0475	0.0475		0.0475	0.0475	0.0000	680.6635	680.6635	0.0131	0.0125	684.7083
Regional Shopping Center	3.21068e+006	0.0173	0.1574	0.1322	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3340	171.3340	3.2800e-003	3.1400e-003	172.3521
Single Family Housing	1.93661e+008	1.0443	8.9236	3.7973	0.0570		0.7215	0.7215		0.7215	0.7215	0.0000	10,334.4722	10,334.4722	0.1981	0.1895	10,395.8848
Strip Mall	5.12057e+006	0.0276	0.2510	0.2109	1.5100e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.2529	273.2529	5.2400e-003	5.0100e-003	274.8767
Supermarket	6.86439e+007	0.3701	3.3649	2.8265	0.0202		0.2557	0.2557		0.2557	0.2557	0.0000	3,663.1020	3,663.1020	0.0702	0.0672	3,684.8700
Unrefrigerated Warehouse-No Rail	6.68097e+006	0.0360	0.3275	0.2751	1.9600e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.5221	356.5221	6.8300e-003	6.5400e-003	358.6407
Total		**4.9342**	**44.2463**	**33.2038**	**0.2691**		**3.4091**	**3.4091**		**3.4091**	**3.4091**	**0.0000**	**48,831.9308**	**48,831.9308**	**0.9359**	**0.8953**	**49,122.1145**

5.3 Energy by Land Use - Electricity

Unmitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.22968e+006	430.0769	0.0820	0.0170	437.1780
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	2.78929e+007	1,925.6328	0.3669	0.0759	1,957.4272
General Heavy Industry	1.17441e+008	8,107.7125	1.5448	0.3196	8,241.5803
General Office Building	1.31258e+007	906.1630	0.1727	0.0357	921.1248
Government Office Building	1.30481e+008	9,008.0106	1.7164	0.3551	9,156.7434
Hotel	1.41447e+006	97.6504	0.0186	3.8500e-003	99.2628
Library	130591	9.0156	1.7200e-003	3.6000e-004	9.1644
Medical Office Building	179798	12.4127	2.3700e-003	4.9000e-004	12.6176
Mobile Home Park	256948	17.7389	3.3800e-003	7.0000e-004	18.0318
Place of Worship	3.99384e+006	275.7219	0.0525	0.0109	280.2744
Regional Shopping Center	1.44819e+007	999.7844	0.1905	0.0394	1,016.2920
Single Family Housing	5.39075e+007	3,721.5969	0.7091	0.1467	3,783.0448
Strip Mall	2.30966e+007	1,594.5115	0.3038	0.0629	1,620.8387
Supermarket	1.25287e+008	8,649.4362	1.6481	0.3410	8,792.2485
Unrefrigerated Warehouse-No Rail	6.79649e+006	469.2078	0.0894	0.0185	476.9550
Total		**36,224.6719**	**6.9022**	**1.4280**	**36,822.7837**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	6.22968e+006	430.0769	0.0820	0.0170	437.1780
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	2.78929e+007	1,925.6328	0.3669	0.0759	1,957.4272
General Heavy Industry	1.17441e+008	8,107.7125	1.5448	0.3196	8,241.5803
General Office Building	1.31258e+007	906.1630	0.1727	0.0357	921.1248
Government Office Building	1.30481e+008	9,008.0106	1.7164	0.3551	9,156.7434
Hotel	1.41447e+006	97.6504	0.0186	3.8500e-003	99.2628
Library	130591	9.0156	1.7200e-003	3.6000e-004	9.1644
Medical Office Building	179798	12.4127	2.3700e-003	4.9000e-004	12.6176
Mobile Home Park	256948	17.7389	3.3800e-003	7.0000e-004	18.0318
Place of Worship	3.99384e+006	275.7219	0.0525	0.0109	280.2744
Regional Shopping Center	1.44819e+007	999.7844	0.1905	0.0394	1,016.2920
Single Family Housing	5.39075e+007	3,721.5969	0.7091	0.1467	3,783.0448
Strip Mall	2.30966e+007	1,594.5115	0.3038	0.0629	1,620.8387
Supermarket	1.25287e+008	8,649.4362	1.6481	0.3410	8,792.2485
Unrefrigerated Warehouse-No Rail	6.79649e+006	469.2078	0.0894	0.0185	476.9550
Total		**36,224.6719**	**6.9022**	**1.4280**	**36,822.7837**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	435.6654	3.5996	286.0479	0.3628		31.1650	31.1650		31.1650	31.1650	2,743.7343	774.8582	3,518.5925	0.1095	0.2545	3,597.1594
Unmitigated	435.6654	3.5996	286.0479	0.3628		31.1650	31.1650		31.1650	31.1650	2,743.7343	774.8582	3,518.5925	0.1095	0.2545	3,597.1594

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	33.9563					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	196.0873					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	203.7737	2.8952	224.9466	0.3595		30.8253	30.8253		30.8253	30.8253	2,743.7343	674.5039	3,418.2382	0.0129	0.2545	3,494.3905
Landscaping	1.8481	0.7044	61.1013	3.2500e-003		0.3397	0.3397		0.3397	0.3397	0.0000	100.3543	100.3543	0.0966	0.0000	102.7689
Total	**435.6654**	**3.5996**	**286.0479**	**0.3628**		**31.1650**	**31.1650**		**31.1650**	**31.1650**	**2,743.7343**	**774.8582**	**3,518.5925**	**0.1095**	**0.2545**	**3,597.1594**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	33.9563					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	196.0873					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	203.7737	2.8952	224.9466	0.3595		30.8253	30.8253		30.8253	30.8253	2,743.7343	674.5039	3,418.2382	0.0129	0.2545	3,494.3905
Landscaping	1.8481	0.7044	61.1013	3.2500e-003		0.3397	0.3397		0.3397	0.3397	0.0000	100.3543	100.3543	0.0966	0.0000	102.7689
Total	**435.6654**	**3.5996**	**286.0479**	**0.3628**		**31.1650**	**31.1650**		**31.1650**	**31.1650**	**2,743.7343**	**774.8582**	**3,518.5925**	**0.1095**	**0.2545**	**3,597.1594**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5,089.7796	217.5947	5.2418	12,091.7137
Unmitigated	5,089.7796	217.5947	5.2418	12,091.7137

7.2 Water by Land Use

Unmitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	98.3174 / 61.9827	82.8956	3.2135	0.0777	186.3836
City Park	0 / 131.659	31.8125	6.0600e-003	1.2500e-003	32.3378
Elementary School	150.057 / 385.861	196.8962	4.9181	0.1213	356.0068
General Heavy Industry	3287.91 / 0	2,271.3286	107.3707	2.5782	5,723.8842
General Office Building	130.84 / 80.1925	109.7630	4.2764	0.1034	247.4752
Government Office Building	1453.81 / 891.043	1,219.6089	47.5168	1.1485	2,749.7711
Hotel	3.24289 / 0.360321	2.3273	0.1059	2.5500e-003	5.7340
Library	0.494678 / 0.773727	0.5287	0.0162	4.0000e-004	1.0512
Medical Office Building	1.26484 / 0.240923	0.9320	0.0413	9.9000e-004	2.2611
Mobile Home Park	3.12739 / 1.97162	2.6368	0.1022	2.4700e-003	5.9287
Place of Worship	15.1288 / 23.663	16.1688	0.4951	0.0121	32.1496
Regional Shopping Center	100.348 / 61.5033	84.1822	3.2798	0.0793	189.8000
Single Family Housing	434.121 / 273.685	366.0263	14.1894	0.3430	822.9782
Strip Mall	160.04 / 98.0888	134.2583	5.2308	0.1264	302.7033
Supermarket	376.407 / 11.6415	262.8392	12.2926	0.2953	658.1412
Unrefrigerated Warehouse-No Rail	445.237 / 0	307.5751	14.5398	0.3491	775.1077
Total		**5,089.7796**	**217.5947**	**5.2418**	**12,091.7137**

7.2 Water by Land Use

Mitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	98.3174 / 61.9827	82.8956	3.2135	0.0777	186.3836
City Park	0 / 131.659	31.8125	6.0600e-003	1.2500e-003	32.3378
Elementary School	150.057 / 385.861	196.8962	4.9181	0.1213	356.0068
General Heavy Industry	3287.91 / 0	2,271.3286	107.3707	2.5782	5,723.8842
General Office Building	130.84 / 80.1925	109.7630	4.2764	0.1034	247.4752
Government Office Building	1453.81 / 891.043	1,219.6089	47.5168	1.1485	2,749.7711
Hotel	3.24289 / 0.360321	2.3273	0.1059	2.5500e-003	5.7340
Library	0.494678 / 0.773727	0.5287	0.0162	4.0000e-004	1.0512
Medical Office Building	1.26484 / 0.240923	0.9320	0.0413	9.9000e-004	2.2611
Mobile Home Park	3.12739 / 1.97162	2.6368	0.1022	2.4700e-003	5.9287
Place of Worship	15.1288 / 23.663	16.1688	0.4951	0.0121	32.1496
Regional Shopping Center	100.348 / 61.5033	84.1822	3.2798	0.0793	189.8000
Single Family Housing	434.121 / 273.685	366.0263	14.1894	0.3430	822.9782
Strip Mall	160.04 / 98.0888	134.2583	5.2308	0.1264	302.7033
Supermarket	376.407 / 11.6415	262.8392	12.2926	0.2953	658.1412
Unrefrigerated Warehouse-No Rail	445.237 / 0	307.5751	14.5398	0.3491	775.1077
Total		**5,089.7796**	**217.5947**	**5.2418**	**12,091.7137**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13,448.1229	794.7613	0.0000	33,317.1552
Unmitigated	13,448.1229	794.7613	0.0000	33,317.1552

8.2 Waste by Land Use

Unmitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	694.14	140.9042	8.3272	0.0000	349.0841
City Park	9.5	1.9284	0.1140	0.0000	4.7776
Elementary School	6727.41	1,365.6034	80.7049	0.0000	3,383.2247
General Heavy Industry	17630.3	3,578.7956	211.5008	0.0000	8,866.3147
General Office Building	684.63	138.9737	8.2131	0.0000	344.3015
Government Office Building	6805.81	1,381.5179	81.6454	0.0000	3,422.6522
Hotel	69.99	14.2073	0.8396	0.0000	35.1981
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	1422.46	288.7465	17.0644	0.0000	715.3573
Single Family Housing	8003.52	1,624.6422	96.0136	0.0000	4,024.9824
Strip Mall	2268.61	460.5073	27.2152	0.0000	1,140.8874
Supermarket	17222.1	3,495.9266	206.6033	0.0000	8,661.0102
Unrefrigerated Warehouse-No Rail	1809.83	367.3791	21.7115	0.0000	910.1663
Total		**13,448.1229**	**794.7613**	**0.0000**	**33,317.1552**

8.2 Waste by Land Use

Mitigated

Dixon Operational Emissions - No Project (2040) - Solano-Sacramento County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	694.14	140.9042	8.3272	0.0000	349.0841
City Park	9.5	1.9284	0.1140	0.0000	4.7776
Elementary School	6727.41	1,365.6034	80.7049	0.0000	3,383.2247
General Heavy Industry	17630.3	3,578.7956	211.5008	0.0000	8,866.3147
General Office Building	684.63	138.9737	8.2131	0.0000	344.3015
Government Office Building	6805.81	1,381.5179	81.6454	0.0000	3,422.6522
Hotel	69.99	14.2073	0.8396	0.0000	35.1981
Library	14.56	2.9556	0.1747	0.0000	7.3223
Medical Office Building	108.86	22.0976	1.3059	0.0000	54.7459
Mobile Home Park	22.08	4.4820	0.2649	0.0000	11.1041
Place of Worship	2756.06	559.4553	33.0629	0.0000	1,386.0268
Regional Shopping Center	1422.46	288.7465	17.0644	0.0000	715.3573
Single Family Housing	8003.52	1,624.6422	96.0136	0.0000	4,024.9824
Strip Mall	2268.61	460.5073	27.2152	0.0000	1,140.8874
Supermarket	17222.1	3,495.9266	206.6033	0.0000	8,661.0102
Unrefrigerated Warehouse-No Rail	1809.83	367.3791	21.7115	0.0000	910.1663
Total		**13,448.1229**	**794.7613**	**0.0000**	**33,317.1552**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix C: List of Historic Resources and Tribal Correspondence

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DYETT & BHATIA
Urban and Regional Planners

M E M O R A N D U M

To:	Bryan Much, Coordinator, Northwest Information Center at Sonoma State University
From:	Melissa Jones
Re:	Data Search for City of Dixon General Plan
Date:	March 16, 2015

Dear Mr. Much:

Dyett & Bhatia has been contracted by the City of Dixon to assist with the preparation of a General Plan Update. I would like to request a historical, archeological, and paleontological data search for the City of Dixon General Plan planning area, and I would like to request the regular response rate at $150/hour. We would like to know what sensitive historical and cultural resources exist within our planning area for our work with the City of Dixon. To the extent possible, we would like to know the identification of the resources listed (location, description, year constructed if applicable, etc.) and whether the resource is on the national or State registers/inventories. The data will be used to inform policies prescribed in the General Plan, as well as to assist in our preparation of the Program Environmental Impact Report, which must by law accompany the General Plan.

Project Location

The planning area for the Dixon General Plan Update is located in northeast Solano County. It comprises approximately 7.1 square miles and includes all land within the City of Dixon city limits and its Sphere of Influence. The specific boundaries of the planning area are outlined on the USGS 7.5 minute quadrangle attached with this correspondence.

Project Description

The Dixon General Plan Update will serve as the comprehensive vision and primary policy document that will guide growth and enhancement within the planning area through 2035. The City's zoning ordinance is then required to be consistent with the policies outlined in the General Plan. This plan will be a comprehensive update of the existing General Plan, which was adopted in 1993. Per State law, it will include sections on land use, housing, transportation, open space, conservation, noise, and safety. All land uses will be considered, including low- to high-density residential, commercial, office, industrial, and agriculture.

Please send all information and billing materials for this regular response rate request to my contact information below. Also, please feel free to contact me directly with any additional questions.

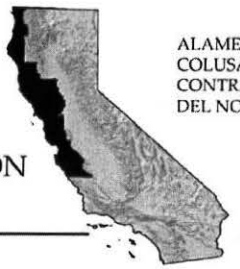
Thank you,

Melissa Jones

Dyett & Bhatia, Urban and Regional Planners
755 Sansome Street, Suite 400

San Francisco, CA 94111
P: 415-956-4300 x 17
F: 415-956-7315
E: melissa@dyettandbhatia.com

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM



ALAMEDA
COLUSA
CONTRA COSTA
DEL NORTE
HUMBOLDT
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLATA
SANTA CRUZ
SOLANO
SONOMA
YOLO

Northwest Information Center
Sonoma State University
150 Professional Center Drive, Suite E
Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwic@sonoma.edu
http://www.sonoma.edu/nwic

ACCESS AGREEMENT SHORT FORM

File Number: 14-1223

I, the the undersigned, have been granted access to historical resources information on file at the Northwest Information Center of the Califronia Historical Resources Information System.

I understand that any CHRIS Confidential Information I receive shall not be disclosed to individuals who do not qualify for access to such information, as specified in Section III(A-E) of the CHRIS Information Center Rules of Operation Manual, or in publicly distributed documents without written consent of the Information Center Coordinator.

I agree to submit historical Resource Records and Reports based in part on the CHRIS information released under this Access Agreement to the Information Center within sixy (60) calendar days of completion.

I agree to pay for CHRIS services provided under this Access Agreement within sixty (60) calendar days of receipt of billing.

I understand that failure to comply with this Access Agreement shall be grounds for denial of access to CHRIS Information.

Print Name: Melissa Jones Date: 3/24/2015

Signature:

Affiliation Dyett & Bhatia

Address: 755 Sansome Street, Suite 400 City/State/ZIP: San Francisco, CA 94111

Billing Address (if different from above):

Special Billing Information

Telephone: (415) 956-4300 Email: melissa@dyetteandnhatia.com

Purpose of Access: Project Planning

Reference (project name or number, title of study, and street address if applicable):

City of Dixon General Plan

County: SOL USGS 7.5' Quad: Dixon

Sonoma State University Customer ID: 1000314

Sonoma Sate University Invoice No.:

Total Cost: 676.5

This is not an invoice. Sonoma Sate University will send separate Invoice

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM

ALAMEDA
COLUSA
CONTRA COSTA
DEL NORTE
HUMBOLDT
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLATA
SANTA CRUZ
SOLANO
SONOMA
YOLO

Northwest Information Center
Sonoma State University
150 Professional Center Drive, Suite E
Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwic@sonoma.edu
http://www.sonoma.edu/nwic

March 18, 2015 NWIC File No.: 14-1223

Melissa Jones
Dyett & Bhatia Urban and Regional Planners
755 Sansome St, Suite 400
San Francisco, CA 94111

Re: Record search results for the proposed City of Dixon General Plan Update.

Dear Ms. Jones:

Per your request received by our office on March 17, 2015, a records search was conducted for the above referenced project by reviewing pertinent Northwest Information Center (NWIC) base maps that reference cultural resources records and reports, historic-period maps, and literature for Solano County. Please note that use of the term cultural resources includes both archaeological resources and historical buildings and/or structures.

Review of this information indicates that there have been 46 cultural resource studies that cover approximately 40% of the proposed City of Dixon General Plan Update project area (See Table 1 below).

Table 1. Studies within the City of Dixon General Plan project area

Report Number	Sub-Report Designation	Author(s)	Year	Title
S-005070		J. E. Hellen	1976	Archaeological Survey of the Watson/MacDonald Property, Dixon, California.
S-005101		John W. Parker	1977	Archaeological Evaluation of a Proposed On-Ramp Construction on Interstate 80 and Curry Road (P.M. 37.8/38.5), Solano County, California
S-005159		Marianne L. Russo	1981	Archaeological Survey of the City of Dixon Administrative Offices Site and Associated Acreage, Solano County, California
S-013590		Dana McGowan	1992	Archaeological Survey Report for the Country Faire Subdivision Water Pipeline Project
S-014035		John W. Foster and Daniel G. Foster	1992	An Archaeological Assessment of the Dixon Lakes Project, Solano County, California
S-014182		John W. Foster and Daniel G. Foster	1992	An Archaeological Survey and Assessement of the Dixon Lakes Project, Solano County, California
S-014548		John W. Foster and Daniel G. Foster	1992	An Archaeological Survey and Assessment of the Wiegand Property, Dixon, California
S-015155		Peak & Associates, Inc.	1993	Cultural Resources Assessment of the Dixon Northeast Quadrant Annexation, City of Dixon, Solano County, California

S-015158		Peak & Associates, Inc.	1993	Backhoe Trenching near CA-SOL-363, a Prehistoric Archaeological Site in the Proposed Pheasant Run Subdivision, Dixon, Solano County, California
S-015455		Alfred Farber	1993	Archaeological Survey of a Proposed 40-acre Subdivision, City of Dixon, Solano County, California
S-015491		Clifford Curtice	1964	An Archaeological Survey of the Ulatis Creek Soil Conservation Service Watershed Project
S-016156		Jeffrey S. Rosenthal, Greg White, Todd D. Jaffke, Rosemary K. White, Sara M. Atchley, Eric Wohlgemuth, Thomas M. Origer, Dwight D. Simons, James P. Quinn, and Biosystems Analysis, Inc.	1994	Archaeological Investigations at the Pheasant Run Site, CA-SOL-363
S-016157		BioSystems Analysis, Inc.	1993	Osteological Analysis Forms for CA-SOL-363
S-016675		Peak & Associates, Inc.	1994	Cultural Resources Assessment of the Proposed Dixon Park Apartments, City of Dixon, Solano County, California
S-016957		William Shapiro, Kim J. Tremaine, M. Kathleen Davis, Tad E. Allred, Beta Analytic, Inc., and Steve Grantham	1995	Final Report for the Archaeological Investigation of the Wiegand Property, Dixon, California
S-017059		William Shapiro	1994	Archaeological Investigation of the McKissick Property, Solano County, Dixon, California
S-019168		Peak & Associates, Inc.	1995	Cultural Resources Assessment of the Coast Creative Development Property, City of Dixon, Solano County, California
S-019169		Peak & Associates, Inc.	1995	Cultural Resources Assessment of the Reico Real Estate Investments Company Property, City of Dixon
S-019700		John A. Lopez and Kim J. Tremaine	1997	Archaeological Reconnaissance of the Multi-Modal Rail Site in the City of Dixon, Solano County, California
S-020044		Tracy D. Bakic and Mary L. Maniery	1998	Historic American Engineering Record, Colgate-Oakland Transmission Line, HAER No. CA-190
S-020314		Eleanor H. Derr	1998	Pacific Bell Mobile Services:7699 Batavia Road, Dixon, Solano County; Site # SA-047-04 (letter report)
S-022736			2000	Final Cultural Resources Inventory Report for the Williams Communications, Inc. Fiber Optic Cable System Installation Project, Point Arena to Robbins and Point Arena to Sacramento, California
S-022817		Wendy J. Nelson, Maureen Carpenter, and Julia G. Costello	2000	Cultural Resources Survey for the Level (3) Communications Long Haul Fiber Optics Project, Segment WS01: Sacramento to Oakland
S-024537		Brian McEneaney and Kim Tremaine	2001	Archaeological Monitoring of the Dixon Multimodal Rail Project, Phase I
S-024592		Denise Furlong and Kim Tremaine	2001	Archaeological Monitoring for WS01 Long Haul Fiber Optic Segment, Between Sacramento and Emeryville, California
S-024592	a		1999	Level 3 Long Haul Fiber Optics Project, Cultural Resources Procedures
S-024592	aa	Don Bignell	2000	West Side of ILA in Suisun City, MP48 WS01 (letter report)
S-024592	b	Jim Railey and Howard Higgins	1999	Level 3 Long Haul Fiber Optics Project, Cultural Resources Management Plan for California Routes, Research Design
S-024592	bb	Kim Tremaine	2000	Southern Carquinez Straits Alternate Route Survey, WS01 (letter report)
S-024592	c	Kim Tremaine	2000	Results of Utility Locating & Site Boundary Delineation for CA-CCO-258, Rodeo, California
S-024592	cc	Kim Tremaine	2000	Northern Carquinez Straits Alternate Route, WS01 (letter report)
S-024592	d	Kim Tremaine	2000	Results of Site Monitoring During Utility Locating for CA-CCO-270, San Pablo, California

S-024592	dd	Don Bignell	2000	Maritime Academy Right of Way Extension, WS01 (letter report)
S-024592	e	Kim Tremaine	2000	Results of Site Boundary Testing at CA-ALA-304, North and South of Cerrito Creek, in Albany, California
S-024592	f	Kim Tremaine	2000	Site Damage Assessment for CA-ALA-304
S-024592	g	Kim J. Tremaine	2000	Results of Site Monitoring During Utility Locating for CA-ALA-307, in West Berkeley, California
S-024592	h		1999	Results of Minimal Testing at the Buried Shell Midden Location, MP20, in Pinole, California
S-024592	I	Kim J. Tremaine	1999	Results of Site Boundary Testing of the Buried Shell Midden at MP20 in Pinole, California
S-024592	j	Kim Tremaine	2000	Results of Site Monitoring During Utility Locating for Unanticipated Discovery MP20, Pinole, California
S-024592	k	Kim Tremaine	2000	Incident Report on Frak-Outs at MP8 & MP20
S-024592	l	Kim J. Tremaine	2000	Results of Site Boundary Testing for the School House Creek Site, in West Berkeley, California
S-024592	m	Kim J. Tremaine	2000	Results of Testing for the Presence of Shell Midden Between Virginia and Deleware Streets, West Berkeley, California
S-024592	n	Kim Tremaine	1999	Hayward Survey, MP23.79-23.88, WS07 (letter report)
S-024592	o	Kim Tremaine	1999	Jameson Canyon Survey, MP 57, WS01 (letter report)
S-024592	p	Kim Tremaine	2000	Richmond Parkway Survey, MP15, WS01 (letter report)
S-024592	q	Kim Tremaine	2000	Holly Oak Ranch Survey, MP59, WS01 (letter report)
S-024592	r	Kim Tremaine	2000	Cordelia Survey, WS01 (letter report)
S-024592	s	Kim Tremaine	2000	Crockett Survey, ~MP25, WS01 (letter report)
S-024592	t	Kim Tremaine	2000	San Jose Survey, MP 43, WS07 Route Extension (letter report)
S-024592	u	Kim Tremaine	2000	Fremont Survey, MP 28, WS07 (letter report)
S-024592	v	Kim Tremaine	2000	Jameson Canyon Survey, MP58, WS01 (letter report)
S-024592	w	Kim Tremaine	2000	Maritime Academy Survey, WS01 (letter report)
S-024592	x	Kim Tremaine	2000	Maritime Academy TEWS, WS01 (letter report)
S-024592	y	Don Bignell	2000	Results of Broadway Street and South River Road Survey (letter report)
S-024592	z	Don Bignell	2000	Carquinez Bridge South, TEWS Survey, MP25, WS01 (letter report)
S-025184		Lorna Billat	2002	Nextel Communications Evaluation of Proposed Cellular Facility (Nextel Site Number CA-0816C), "Downtown Dixon", in Dixon, California (letter report)
S-027877		Donald S. Napoli	2003	Final Draft, Dixon Redevelopment Areas: Historic Resources Inventory
S-028134		William Roop	2004	A Cultural Resources Evaluation of the Gill Property, Vaughn Street, West of North First Street, Dixon, Solano County, California
S-028814		Wendy Nelson, Kim Tremaine, and Jason Coleman	2004	Report of Test Excavation and Construction Monitoring for the Dixon Pond A/Lateral One Improvement Project, Dixon, Solano County, California
S-029011		Carolyn Losee	2006	Cultural Resources Analysis for Cingular Wireless Site SN-158-01, Dixon (letter report)
S-029053		Peak & Associates, Inc.	2001	Cultural Resources Assessment of the Proposed Milk Farm Project, Solano County, California
S-030755		Jones & Stokes	2005	Cultural Resources Inventory and Evaluation Report for the Dixon Unified School District's Dixon High School and City of Dixon's Storm Water Detention Basin Project, Solano County, California.
S-031420		Jeffrey S. Rosenthal	1996	A Cultural Chronology for Solano County, California

S-031837		Lorna Billat	2006	New Tower ("NT") Submission Packet, FCC Form 620, Dixon McDonalds, SC-15396
S-033061		Nancy Sikes, Cindy Arrington, Bryon Bass, Chris Corey, Kevin Hunt, Steve O'Neil, Catherine Pruett, Tony Sawyer, Michael Tuma, Leslie Wagner, and Alex Wesson	2006	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California
S-033061	a		2006	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California
S-033061	b	Nancy E. Sikes	2007	Final Report of Monitoring and Findings for the Qwest Network Construction Project (letter report)
S-034191		Miley Paul Holman	2006	A Cultural Resources Study of the Proposed 94 Acre Parklane Project Area, Dixon, Solano County, California
S-035628		Carolyn Losee	2008	AT&T Mobility CN0684 "Porter Street & Marvin Way" Dixon, Solano County, California 95620 (letter report)
S-036192		Amy Cordner	2009	Cultural Resources Survey Report for the Weyland Canal Concrete Re-Lining Phase 3 and 4, Solano County, California, WO 09-1882
S-036690		Elizabeth Truman	2009	Field Office Report of Cultural Resources, Ground Survey Findings, Dixon Field Office, Hedgerow Planting, Fence, Watering Facility
S-038194		Vicki R. Beard	2011	Historical Evaluation of the Bloom House Rio-Dixon Road, Dixon, Solano County, California
S-038387		John Lopez and Kim Tremaine	2004	Archaeological Survey Report for the Multi-Modal Rail Site in the City of Dixon, Solano County, California
S-038388		Kim Tremaine	2004	Historic Property Survey Report for the Dixon Multi-Modal Transportation Facility Project in the the City of Dixon, Solano County, California
S-038627		William Hildebrandt, Jack Meyer, Julia Costello, Patricia Mikkelsen, and John Berg	2012	Survey and Extended Phase I, Investigations for the Solano 80 Corridor Project, Solano County, California, EA/ID 4A2500/0400001121, Solano 80 Post Miles 0.0-44.4
S-038681		Sean Dexter and Armando Cuellar	2011	Historic Property Survey Report and Cultural Resource Letter Report for the Dixon Transportation Center West B Pedestrian/Bicycle Grade Separation (undercrossing). Federal Project Number RPSTLE 6249(029).
S-039566		Laura Billat	2012	Collocation Submission Packet; Dixon; Sac-160;115 Porter Road, Dixon
S-042706		Peak & Associates, Inc.	2011	Cultural Resources Assessment of the Proposed Valley Glen Apartments, Dixon, Solano County, California

The proposed City of Dixon General Plan Update project area contains six recorded prehistoric archaeological resources, two historic-period archaeological resources, and 105 historic buildings and structures (See Table 2 below).

Table 2. Resources within the City of Dixon General Plan project area

Primary Number	Trinomial	Resource Name	Other IDs	Resource Type	Age
P-48-000579		460 N. Adams Street	Resource Name - 460 N. Adams Street	Building	Historic
P-48-000580		135 E. B Street	Resource Name - 135 E. B Street; OHP PRN - 5620-0022-0000	Building	Historic
P-48-000581		193 E. B Street	Resource Name - 193 E. B Street; OHP PRN - 5620-0015-0001	Building	Historic
P-48-000582		160? W. B Street	Resource Name - 160? W. B Street	Building	Historic
P-48-000583		170 W. B Street	Resource Name - 170 W. B Street	Building	Historic
P-48-000584		180 W. B Street	Resource Name - 180 W. B Street	Building	Historic
P-48-000585		340 W. B Street	Resource Name - 340 W. B Street; OHP PRN - 5620-0053-0002	Building	Historic
P-48-000586		351 W. B Street	Resource Name - 351 W. B Street; OHP PRN - 5620-0054-0008	Building	Historic
P-48-000587		390 W. B Street	Resource Name - 390 W. B Street; OHP PRN - 5620-0054-0009	Building	Historic
P-48-000588		170 E. C Street	Resource Name - 170 E. C Street; OHP PRN - 5620-0105-0000	Building	Historic
P-48-000589		180 E. C Street	Resource Name - 180 E. C Street; OHP PRN - 5620-0134-0000	Building	Historic
P-48-000590		190 E. C Street	Resource Name - 190 E. C Street; OHP PRN - 5620-0014-0000	Building	Historic
P-48-000591		320 W.C Street	Resource Name - 320 W.C Street	Building	Historic
P-48-000592		339 W. C Street	Resource Name - 339 W. C Street	Building	Historic

P-48-000593		340 W. C Street	Resource Name - 340 W. C Street	Building	Historic
P-48-000594		350 W. C Street	Resource Name - 350 W. C Street; OHP PRN - 5620-0083-0000	Building	Historic
P-48-000595		409 W. C Street	Resource Name - 409 W. C Street	Building	Historic
P-48-000596		470 W. C Street	Resource Name - 470 W. C Street	Building	Historic
P-48-000598		230 W. D Street	Resource Name - 230 W. D Street	Building	Historic
P-48-000599		270 W. D Street	Resource Name - 270 W. D Street	Building	Historic
P-48-000600		383 W. D Street	Resource Name - 383 W. D Street	Building	Historic
P-48-000601		140 N. Jackson Street	Resource Name - 140 N. Jackson Street	Building	Historic
P-48-000602		419 N. Jackson Street	Resource Name - 419 N. Jackson Street	Building	Historic
P-48-000603		209 N. Jefferson Street	Resource Name - 209 N. Jefferson Street	Building	Historic
P-48-000604		219 N. Jefferson Street	Resource Name - 219 N. Jefferson Street; OHP PRN - 5620-0053-0003	Building	Historic
P-48-000605		239 N. Jefferson Street	Resource Name - 239 N. Jefferson Street; OHP PRN - 5620-0053-0004	Building	Historic
P-48-000606		300 N. Jefferson Street	Resource Name - 300 N. Jefferson Street; OHP PRN - 5620-0082-0000	Building	Historic
P-48-000607		319 N. Jefferson Street	Resource Name - 319 N. Jefferson Street	Building	Historic
P-48-000608		339 N. Jefferson Street	Resource Name - 339 N. Jefferson Street	Building	Historic
P-48-000609		340 N. Jefferson Street	Resource Name - 340 N. Jefferson Street; OHP PRN - 5620-0054-0004	Building	Historic
P-48-000610		360 N. Jefferson Street	Resource Name - 360 N. Jefferson Street; OHP PRN - 5620-0053-0005	Building	Historic

P-48-000611		379 N. Jefferson Street	Resource Name - 379 N. Jefferson Street; OHP PRN - 5620-0053-0007	Building	Historic
P-48-000612		380 N. Jefferson Street	Resource Name - 380 N. Jefferson Street; OHP PRN - 5620-0053-0006	Building	Historic
P-48-000613		400 N. Jefferson Street	Resource Name - 400 N. Jefferson Street; OHP PRN - 5620-0053-0008	Building	Historic
P-48-000614		409 N. Jefferson Street	Resource Name - 409 N. Jefferson Street; OHP PRN - 5620-0074-0000	Building	Historic
P-48-000615		429 N. Jefferson Street	Resource Name - 429 N. Jefferson Street; OHP PRN - 5620-0077-0000	Building	Historic
P-48-000616		439 N. Jefferson Street	Resource Name - 439 N. Jefferson Street; OHP PRN - 5620-0078-0000	Building	Historic
P-48-000617		440 N. Jefferson Street	Resource Name - 440 N. Jefferson Street; OHP PRN - 5620-0133-0000	Building	Historic
P-48-000618		479 N. Jefferson Street	Resource Name - 479 N. Jefferson Street; OHP PRN - 5620-0073-0000	Building	Historic
P-48-000619		480 N. Jefferson Street	Resource Name - 480 N. Jefferson Street; OHP PRN - 5620-0080-0000	Building	Historic
P-48-000620		409 N. Adams Street	Resource Name - 409 N. Adams Street	Building	Historic
P-48-000621		400 N. Adams Street	Resource Name - 400 N. Adams Street	Building	Historic
P-48-000622		393 N. Adams Street	Resource Name - 393 N. Adams Street	Building	Historic
P-48-000623		373 N. Adams Street	Resource Name - 373 N. Adams Street	Building	Historic
P-48-000624		340 N. Adams Street	Resource Name - 340 N. Adams Street	Building	Historic
P-48-000625		330 N. Adams Street	Resource Name - 330 N. Adams Street	Building	Historic
P-48-000626		320 N. Adams Street	Resource Name - 320 N. Adams Street	Building	Historic

P-48-000627		309 N. Adams Street	Resource Name - 309 N. Adams Street; OHP PRN - 5620-0054-0007; OHP Property Number - 46103	Building	Historic
P-48-000628		300 N. Adams Street	Resource Name - 300 N. Adams Street	Building	Historic
P-48-000629		260 N. Adams Street	Resource Name - 260 N. Adams Street	Building	Historic
P-48-000630		249 N. Adams Street	Resource Name - 249 N. Adams Street; OHP PRN - 5620-0109-0000; OHP Property Number - 46181	Building	Historic
P-48-000631		229 - 31 N. Adams Street	Resource Name - 229 - 31 N. Adams Street	Building	Historic
P-48-000632		220 N. Adams Street	Resource Name - 220 N. Adams Street	Building	Historic
P-48-000633		219 N. Adams Street	Resource Name - 219 N. Adams Street; OHP PRN - 5620-0054-0005; OHP Property Number - 46101	Building	Historic
P-48-000634		209 N. Adams Street	Resource Name - 209 N. Adams Street; OHP PRN - 5620-0054-0003; OHP Property Number - 46099	Building	Historic
P-48-000635		149 N. Adams Street	Resource Name - 149 N. Adams Street; OHP PRN - 5620-0054-0002; OHP Property Number - 46098	Building	Historic
P-48-000636		130 N. Adams Street	Resource Name - 130 N. Adams Street	Building	Historic
P-48-000637		120 N. Adams Street	Resource Name - 120 N. Adams Street	Building	Historic
P-48-000638		110 N. Adams Street	Resource Name - 110 N. Adams Street	Building	Historic
P-48-000639		100 N. Adams Street	Resource Name - 100 N. Adams Street	Building	Historic
P-48-000640		350 W. A Street	Resource Name - 350 W. A Street	Building	Historic
P-48-000641		180 W. A Street	Resource Name - 180 W. A Street	Building	Historic
P-48-000642		130 W. A Street	Resource Name - 130 W. A Street	Building	Historic

P-48-000643		121 - 25 W. A Street	Resource Name - 121 - 25 W. A Street	Building	Historic
P-48-000644		170 E. A Street	Resource Name - 170 E. A Street	Building	Historic
P-48-000645		165 E. A Street	Resource Name - 165 E. A Street	Building	Historic
P-48-000646		145 E. A Street	Resource Name - 145 E. A Street	Building	Historic
P-48-000647		125 - 35 E. A Street	Resource Name - 125 - 35 E. A Street	Building	Historic
P-48-000648		105 S. Second Street	Resource Name - 105 S. Second Street; OHP PRN - 5620-0023-0000; OHP Property Number - 46029	Building	Historic
P-48-000649		355 N. Second Street	Resource Name - 355 N. Second Street	Building	Historic
P-48-000650		235 N. Second Street	Resource Name - 235 N. Second Street	Building	Historic
P-48-000651		155 N. Second Street	Resource Name - 155 N. Second Street	Building	Historic
P-48-000652		145 N. Second Street	Resource Name - 145 N. Second Street	Building	Historic
P-48-000653		160 S. First Street	Resource Name - 160 S. First Street	Building	Historic
P-48-000654		151 S. First Street	Resource Name - 151 S. First Street	Building	Historic
P-48-000655		131 S. First Street	Resource Name - 131 S. First Street; OHP PRN - 5620-0092-0000; OHP Property Number - 46164	Building	Historic
P-48-000656		130 S. First Street	Resource Name - 130 S. First Street	Building	Historic
P-48-000657		121 S. First Street	Resource Name - 121 S. First Street; OHP PRN - 5620-0091-0000; OHP Property Number - 46163	Building	Historic
P-48-000658		100 S. First Street	Resource Name - 100 S. First Street	Building	Historic
P-48-000659		360 N. First Street	Resource Name - 360 N. First Street; OHP PRN - 5620-0001-0000; OHP Property Number - 45989	Building	Historic

P-48-000660		302 N. First Street	Resource Name - 302 N. First Street	Building	Historic
P-48-000661		301 N. First Street	Resource Name - 301 N. First Street	Building	Historic
P-48-000662		221 N. First Street	Resource Name - 221 N. First Street	Building	Historic
P-48-000663		201 N. First Street	Resource Name - 201 N. First Street	Building	Historic
P-48-000664		200 - 10 N. First Street	Resource Name - 200 - 10 N. First Street	Building	Historic
P-48-000665		175 - 83 N. First Street	Resource Name - 175 - 83 N. First Street	Building	Historic
P-48-000666		165 N. First Street	Resource Name - 165 N. First Street; OHP PRN - 5620-0019-0000; OHP Property Number - 46023	Building	Historic
P-48-000667		156 N. First Street	Resource Name - 156 N. First Street; OHP PRN - 5620-0020-0000; OHP Property Number - 46024	Building	Historic
P-48-000668		155 N. First Street	Resource Name - 155 N. First Street	Building	Historic
P-48-000669		141 - 43 N. First Street	Resource Name - 141 - 43 N. First Street	Building	Historic
P-48-000670		130 - 40 N. First Street	Resource Name - 130 - 40 N. First Street; OHP PRN - 5620-0075-0000; OHP Property Number - 46147	Building	Historic
P-48-000671		127 N. First Street	Resource Name - 127 N. First Street	Building	Historic
P-48-000672		120 N. First Street	Resource Name - 120 N. First Street; OHP PRN - 5620-0072-0000	Building	Historic
P-48-000673		116 N. First Street	Resource Name - 116 N. First Street	Building	Historic
P-48-000674		105 - 19 N. First Street	Resource Name - 105 - 19 N. First Street	Building	Historic
P-48-000675		102 N. First Street	Resource Name - 102 N. First Street	Building	Historic

P-48-000688		260-280 Porter Street	Resource Name - 260-280 Porter Street; Other - Fuchslin residence	Building	Historic
P-48-000691		260-280 Porter Street	Resource Name - 260-280 Porter Street; Other - 260 Residence	Building	Historic
P-48-000896		Bloom House	Resource Name - Bloom House; OHP PRN - 5620-0032-0000	Building	Historic
P-48-000543		Nextel Site CA-0816C	Resource Name - Nextel Site CA-0816C; Other - Azevedo Grain	Building, Structure	Historic
P-48-000008	CA-SOL-000363	Pheasant Run	Resource Name - Pheasant Run	Site	Prehistoric
P-48-000105	CA-SOL-000264			Site	Prehistoric
P-48-000202		SITE T-1	Resource Name - SITE T-1	Site	Prehistoric
P-48-000214	CA-SOL-000398H	Eppinger Spur	Resource Name - Eppinger Spur	Site	Historic
P-48-000411	CA-SOL-000379	The Pump Site, Weigand #1	Resource Name - The Pump Site, Weigand #1	Site	Prehistoric
P-48-000412	CA-SOL-000380	The Field Site, Wiegand #2	Resource Name - The Field Site, Wiegand #2	Site	Prehistoric
P-48-000441	CA-SOL-000407	ARS 96-25-01	Resource Name - ARS 96-25-01; Other - Dixon Flood Control Pond 1B	Site	Prehistoric
P-48-000550		Pheasant Run 7 Shed	Resource Name - Pheasant Run 7 Shed	Site	Historic
P-48-000549		Southern Pacific Railroad	Resource Name - Southern Pacific Railroad; Other - California Pacific Railroad (now Union Pacific Railroad); Other - SPRR-1; Other - C-Davis-1; Other - SPN-8; Other - SPN-9; Other - Sacramento to Benicia Line; Other - California Pacific	Structure	Historic
P-48-000690		Dixon PG&E Substation	Resource Name - Dixon PG&E Substation	Structure	Historic
P-48-000692		Dixon Water Tower	Resource Name - Dixon Water Tower	Structure	Historic

P-48-000731		DRCD Lateral 2	Resource Name - DRCD Lateral 2	Structure	Historic
P-48-000689		260-280 Porter Street	Resource Name - 260-280 Porter Street; Other - Valley Livestock Co.	Structure, Other	Historic

The State Office of Historic Preservation Historic Property Directory (OHP HPD) (which includes listings of the California Register of Historical Resources, California State Historical Landmarks, California State Points of Historical Interest, and the National Register of Historic Places) lists 315 recorded buildings or structures within the proposed City of Dixon General Plan Update project area (See the attached OHP HPD Directory (April 2012) for the current listing of the properties recorded in the City of Dixon).

Additionally, the 1976 California Inventory of Historical Resources lists the Summers, (Andrew Good) House in Dixon, but the exact location of this building was not included (Department of Parks and Recreation 1976: 115).

At the time of Euroamerican contact, the Native Americans that lived in the area, the Southern Patwin, were speakers of the Knight's Landing-Suisun dialect of the Wintuan language, part of the Penutian language family (Johnson 1978: 350). There are no Native American resources in or adjacent to the proposed project area referenced in the ethnographic literature (Johnson 1978: 350; Kroeber 1925: 351-356, Plate 34; Kroeber 1932: 424).

Based on an evaluation of the environmental setting and features associated with known sites, Native American resources in this part of Solano County have been found primarily along the banks of the major waterways in the region, within the interface between foothills of the eastern California Coast Ranges and the valley floor, and other productive ecotones. In addition, the NWIC basemaps show the prevalence of buried archaeological deposits in the lowlands of the Sacramento River Valley that may show no evidence on the surface. The proposed City of Dixon General Plan Update project area is located near the Sacramento River Delta in the lowlands of the Sacramento River Valley. The project area contains multiple waterways, which are a part of the Putah Creek Drainage Basin and flow into the Sacramento River including Dickson and Dudley Creeks. The topography of the general area is consistent with Holocene alluvial fan landforms and the soils are derived from Holocene alluvium. These factors increase the potential for buried archaeological deposits that may show no evidence on the surface. Given the similarity of one or more of these environmental factors, there is a moderate potential of identifying unrecorded Native American resources in the proposed City of Dixon General Plan Update project area.

Review of historical literature and maps indicated the possibility of multiple historic-period archaeological resources within the proposed City of Dixon General Plan Update project area. The area around the City of Dixon has been inhabited since the mid-1800s with the establishment of Silveyville in the 1850s. This trade center was moved east along the right-of-way of the Southern Pacific Railroad in 1868 and subsequently the City of Dixon, named after Thomas Dickson, grew out this location. In addition, a number

of individuals resided within the proposed City of Dixon General Plan Update project area prior to the establishment of the town including the Maddins, Mckensleys, and the Blases (General Land Office 1862). With this in mind, there is a moderate potential of identifying unrecorded historic-period archaeological resources in the proposed City of Dixon General Plan Update project area.

The 1908 and 1953 Vacaville USGS 15-minute topographic quadrangle depicts several buildings or structures, within the proposed City of Dixon General Plan Update project area. These unrecorded buildings/structures meet the Office of Historic Preservation's minimum age standard that buildings, structures, and objects 45 years or older may be of historical value.

RECOMMENDATIONS:

1) Given that the purpose of a General Plan Update for the City of Dixon is to provide a planning document that will guide future development, and given the presence of known cultural resources (see tables 2 and the attached OHP HPD Directory listings) and the likelihood of additional resources in unsurveyed areas, it is recommended that future projects be considered on an individual basis under the Northwest Information Center's Project Review Program. The Project Review Program is organized to aid cities and counties in meeting their CEQA obligations on a project-by-project basis. These reviews result in project specific information and recommendations, and are completed in seven calendar days. Please contact the NWIC Coordinator at (707) 588-8455 for additional information.

2) As per Senate Bill 18 (Chapter 905, Statutes of 2004), local governments are required to consult with California Native American tribes prior to making certain planning decisions and to provide notice to tribes at certain key points in the planning process. These consultation and notice requirements apply to adoption and amendment of general plans (defined in Government Code §65300 et seq.). Each time a local government considers a proposal to adopt or amend the general plan, they are required to contact the appropriate tribes identified by the Native American Heritage Commission.

3) The proposed project area contains 105 recorded buildings and structures and 315 properties (buildings or structures) listed on the OHP HPD Directory (see Table 2 and the OHP HPD Directory).Typically, we would recommend that a professional familiar with the architecture and history of Solano County assess these resources and provide project-specific recommendations for this project. However, as per the project description, no impacts to architectural resources and other features of the built environment will occur as a result of this project. In the future, if a project is proposed that has the potential to impact cultural resources, it is recommended that a professional familiar with the architecture and history of Solano County assess these resources and provide project-specific recommendations. Please refer to the list of consultants who meet the Secretary of Interior's Standards at http://www.chrisinfo.org.

4) Review for possible historic-period buildings or structures has included only those sources listed in the attached bibliography and should not be considered comprehensive.

5) If archaeological resources are encountered **during construction,** work should be temporarily halted in the vicinity of the discovered materials and workers should avoid altering the materials and their context until a qualified professional archaeologist has evaluated the situation and provided appropriate recommendations. Project personnel should not collect cultural resources. Native American resources include chert or obsidian flakes, projectile points, mortars, and pestles; and dark friable soil containing shell and bone dietary debris, heat-affected rock, or human burials. Historic-period resources include stone or adobe foundations or walls; structures and remains with square nails; and refuse deposits or bottle dumps, often located in old wells or privies.

6) It is recommended that any identified cultural resources be recorded on DPR 523 historic resource recordation forms, available online from the Office of Historic Preservation's website: http://ohp.parks.ca.gov/default.asp?page_id=1069

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

Thank you for using our services. Please contact this office if you have any questions, (707) 588-8455.

Sincerely,

Mark Castro
Researcher

LITERATURE REVIEWED

In addition to archaeological maps and site records on file at the Northwest Information Center of the Historical Resources Information System, the following literature was reviewed:

Fickewirth, Alvin A.
1992 *California Railroads.* Golden West Books, San Marino, CA.

General Land Office
1862 Survey Plat for Township 06 North/Range 01 East MDBM.

1862 Survey Plat for Township 06 North/Range 02 East MDBM

1862 Survey Plat for Township 07 North/Range 01 East MDBM.

1862 Survey Plat for Township 07 North/Range 02 East MDBM

1857 Survey Plat for Rancho Los Putos

Gudde, Erwin G.
1969 *California Place Names: The Origin and Etymology of Current Geographical Names.* Third Edition. University of California Press, Berkeley and Los Angeles.

Helley, E.J., K.R. Lajoie, W.E. Spangle, and M.L. Blair
1979 *Flatland Deposits of the San Francisco Bay Region - Their Geology and Engineering Properties, and Their Importance to Comprehensive Planning.* Geological Survey Professional Paper 943. United States Geological Survey and Department of Housing and Urban Development.

Hoover, Mildred Brooke, Hero Eugene Rensch, and Ethel Rensch, revised by William N. Abeloe
1966 *Historic Spots in California.* Third Edition. Stanford University Press, Stanford, CA.

Hoover, Mildred Brooke, Hero Eugene Rensch, and Ethel Rensch, William N. Abeloe, revised by Douglas E. Kyle
1990 *Historic Spots in California.* Fourth Edition. Stanford University Press, Stanford, CA.

Hope, Andrew
2005 *Caltrans Statewide Historic Bridge Inventory Update.* Caltrans, Division of Environmental Analysis, Sacramento, CA.

Johnson, Patti J.
1978 Patwin. In *California*, edited by Robert F. Heizer, pp. 350-360. Handbook of North American Indians, vol. 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Kroeber, A.L.
1925 *Handbook of the Indians of California*. Bureau of American Ethnology, Bulletin 78, Smithsonian Institution, Washington, D.C. (Reprint by Dover Publications, Inc., New York, 1976)

1932 *The Patwin and their Neighbors*. University of California Publications in American Archaeology and Ethnology 35(2):15-22. University of California Press, Berkeley. (Reprint by Kraus Reprint Corp., New York, 1965)

Nichols, Donald R., and Nancy A. Wright
1971 Preliminary Map of Historic Margins of Marshland, San Francisco Bay, California. U.S. Geological Survey Open File Map. U.S. Department of the Interior, Geological Survey in cooperation with the U.S. Department of Housing and Urban Development, Washington, D.C.

Roberts, George, and Jan Roberts
1988 *Discover Historic California*. Gem Guides Book Co., Pico Rivera, CA.

State of California Department of Parks and Recreation
1976 *California Inventory of Historic Resources*. State of California Department of Parks and Recreation, Sacramento.

State of California Department of Parks and Recreation and Office of Historic Preservation
1988 *Five Views: An Ethnic Sites Survey for California*. State of California Department of Parks and Recreation and Office of Historic Preservation, Sacramento.

State of California Office of Historic Preservation **
2012 *Historic Properties Directory*. Listing by City (through April 2012). State of California Office of Historic Preservation, Sacramento.

Wood, Alley & Co.
1879 *The History of Solano County*. (Reprint 1994). James Stevenson Publisher, Fairfield.

**Note that the Office of Historic Preservation's *Historic Properties Directory* includes National Register, State Registered Landmarks, California Points of Historical Interest, and the California Register of Historical Resources as well as Certified Local Government surveys that have undergone Section 106 review.

California Historical Resource Status Codes

1	**Properties listed in the National Register (NR) or the California Register (CR)**
1D	Contributor to a district or multiple resource property listed in NR by the Keeper. Listed in the CR.
1S	Individual property listed in NR by the Keeper. Listed in the CR.
1CD	Listed in the CR as a contributor to a district or multiple resource property by the SHRC
1CS	Listed in the CR as individual property by the SHRC.
1CL	Automatically listed in the California Register – Includes State Historical Landmarks 770 and above and Points of Historical Interest nominated after December 1997 and recommended for listing by the SHRC.
2	**Properties determined eligible for listing in the National Register (NR) or the California Register (CR)**
2B	Determined eligible for NR as an individual property and as a contributor to an eligible district in a federal regulatory process. Listed in the CR.
2D	Contributor to a district determined eligible for NR by the Keeper. Listed in the CR.
2D2	Contributor to a district determined eligible for NR by consensus through Section 106 process. Listed in the CR.
2D3	Contributor to a district determined eligible for NR by Part I Tax Certification. Listed in the CR.
2D4	Contributor to a district determined eligible for NR pursuant to Section 106 without review by SHPO. Listed in the CR.
2S	Individual property determined eligible for NR by the Keeper. Listed in the CR.
2S2	Individual property determined eligible for NR by a consensus through Section 106 process. Listed in the CR.
2S3	Individual property determined eligible for NR by Part I Tax Certification. Listed in the CR.
2S4	Individual property determined eligible for NR pursuant to Section 106 without review by SHPO. Listed in the CR.
2CB	Determined eligible for CR as an individual property and as a contributor to an eligible district by the SHRC.
2CD	Contributor to a district determined eligible for listing in the CR by the SHRC.
2CS	Individual property determined eligible for listing in the CR by the SHRC.
3	**Appears eligible for National Register (NR) or California Register (CR) through Survey Evaluation**
3B	Appears eligible for NR both individually and as a contributor to a NR eligible district through survey evaluation.
3D	Appears eligible for NR as a contributor to a NR eligible district through survey evaluation.
3S	Appears eligible for NR as an individual property through survey evaluation.
3CB	Appears eligible for CR both individually and as a contributor to a CR eligible district through a survey evaluation.
3CD	Appears eligible for CR as a contributor to a CR eligible district through a survey evaluation.
3CS	Appears eligible for CR as an individual property through survey evaluation.
4	**Appears eligible for National Register (NR) or California Register (CR) through other evaluation**
4CM	Master List - State Owned Properties – PRC §5024.
5	**Properties Recognized as Historically Significant by Local Government**
5D1	Contributor to a district that is listed or designated locally.
5D2	Contributor to a district that is eligible for local listing or designation.
5D3	Appears to be a contributor to a district that appears eligible for local listing or designation through survey evaluation.
5S1	Individual property that is listed or designated locally.
5S2	Individual property that is eligible for local listing or designation.
5S3	Appears to be individually eligible for local listing or designation through survey evaluation.
5B	Locally significant both individually (listed, eligible, or appears eligible) and as a contributor to a district that is locally listed, designated, determined eligible or appears eligible through survey evaluation.
6	**Not Eligible for Listing or Designation as specified**
6C	Determined ineligible for or removed from California Register by SHRC.
6J	Landmarks or Points of Interest found ineligible for designation by SHRC.
6L	Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning.
6T	Determined ineligible for NR through Part I Tax Certification process.
6U	Determined ineligible for NR pursuant to Section 106 without review by SHPO.
6W	Removed from NR by the Keeper.
6X	Determined ineligible for the NR by SHRC or Keeper.
6Y	Determined ineligible for NR by consensus through Section 106 process – Not evaluated for CR or Local Listing.
6Z	Found ineligible for NR, CR or Local designation through survey evaluation.
7	**Not Evaluated for National Register (NR) or California Register (CR) or Needs Revaluation**
7J	Received by OHP for evaluation or action but not yet evaluated.
7K	Resubmitted to OHP for action but not reevaluated.
7L	State Historical Landmarks 1-769 and Points of Historical Interest designated prior to January 1998 – Needs to be reevaluated using current standards.
7M	Submitted to OHP but not evaluated - referred to NPS.
7N	Needs to be reevaluated (Formerly NR Status Code 4)
7N1	Needs to be reevaluated (Formerly NR SC4) – may become eligible for NR w/restoration or when meets other specific conditions.
7R	Identified in Reconnaissance Level Survey: Not evaluated.
7W	Submitted to OHP for action – withdrawn.

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
068363	48-000481	RITCHIE CT	RESIDENCE	CORDELIA	P	1890	HIST.RES.	DOE-48-89-0001-0034	08/31/89	2D2	AC
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
068365	48-000483	RITCHIE RD	CORDELIA SCHOOL HOUSE	CORDELIA	P	1870	HIST.RES.	DOE-48-89-0001-0036	08/31/89	2D2	AC
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
068362	48-000480	RITCHIE RD	RESIDENCE	CORDELIA	P	1900	HIST.RES.	DOE-48-89-0001-0033	08/31/89	2D2	AC
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
068361	48-000479	RITCHIE RD	DUNKER BROTHERS SLAUGHTERHOUSE	CORDELIA	P	1890	HIST.RES.	DOE-48-89-0001-0032	08/31/89	2D2	AC
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
068364	48-000482	3500 RITCHIE RD		CORDELIA	P	1915	HIST.RES.	DOE-48-89-0001-0035	08/31/89	6Y	
							PROJ.REVW.	FHWA890809A	08/31/89	6Y	
068366	48-000484	3599 RITCHIE RD		CORDELIA	P	1910	HIST.RES.	DOE-48-89-0001-0037	08/31/89	2D2	AC
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
068367	48-000485	3603 RITCHIE RD		CORDELIA	S	1910	HIST.RES.	DOE-48-89-0001-0038	08/31/89	2D2	AC
							PROJ.REVW.	FHWA890809A	08/31/89	2D2	AC
174944			IRRIGATION DITCH	(VIC) CORDELIA		1955	PROJ.REVW.	FHWA090126B	03/05/09	6Y	
107439	48-000492	RAMSEY RD	GARIBALDI BARN	(VIC) CORDELIA	P	1910	HIST.RES.	DOE-48-89-0050-0000	08/31/89	6Y	
							PROJ.REVW.	FHWA890809A	08/31/89	6Y	
107430	48-000487	117 RED TOP RD	FERRARI RANCH/RED TOP STABLES	(VIC) CORDELIA	P	1900	HIST.RES.	DOE-48-89-0042-0000	08/31/89	6Y	
							PROJ.REVW.	FHWA890809A	08/31/89	6Y	
107431	48-000488	W CORDELIA RD	SQUATTER'S HOUSE	(VIC) CORDELIA	P	1941	HIST.RES.	DOE-48-89-0043-0000	08/31/89	6Y	
							PROJ.REVW.	FHWA890809A	08/31/89	6Y	
046062			WEST A AND B STREET NEIGHBORHOOD	DIXON	P	1908	HIST.SURV.	5620-0027-9999		5D2	
046019			ROSS ADDITION NEIGHBORHOOD	DIXON	P	1870	HIST.SURV.	5620-0015-9999		5D2	
046025		100 1ST ST	MONTEZUMA LODGE #172, DIXON IOOF H	DIXON	U	1884	HIST.SURV.	5620-0021-0000		7N	
046147		140 1ST ST	DIXON THEATER	DIXON	P	1947	HIST.SURV.	5620-0075-0000		7R	
046074		155 3RD ST		DIXON	P	1925	HIST.SURV.	5620-0039-0000		5S2	
046028		E A ST	DIXON HIGH SCHOOL	DIXON	U	1940	HIST.SURV.	5620-0024-0000		5S2	
177164		125 E A ST		DIXON	P	1954	HIST.SURV.	5620-0175-0000	02/22/05	6Z	
177165		145 E A ST	DIXON TRIBUNE	DIXON	P	1952	HIST.SURV.	5620-0176-0000	02/22/05	3S	A
177166		165 E A ST	UNION SERVICE STATION	DIXON	P	1947	HIST.SURV.	5620-0177-0000	02/22/05	5S3	
177167		170 E A ST		DIXON	P	1903	HIST.SURV.	5620-0178-0000	02/22/05	5S3	
046174		209 E A ST		DIXON	P	1934	HIST.SURV.	5620-0102-0000		7R	
045990		219 E A ST		DIXON	P	1900	HIST.SURV.	5620-0002-0000		5S2	
045991		229 E A ST		DIXON	P	1900	HIST.SURV.	5620-0003-0000		5S2	
045992		232 E A ST	L NEWBY HOUSE	DIXON	P	1900	HIST.SURV.	5620-0004-0000		5S2	
045993		239 E A ST		DIXON	P	1910	HIST.SURV.	5620-0005-0000		5S2	
045994		259 E A ST	MOYNIHAN HOUSE	DIXON	P	1894	HIST.SURV.	5620-0006-0000		7N	
045995		264 E A ST		DIXON	P	1860	HIST.SURV.	5620-0007-0000		7N	
045996		282 E A ST	COLEMAN HOUSE	DIXON	P	1915	HIST.SURV.	5620-0008-0000		5S2	
046011		309 E A ST	HARRIS HOUSE	DIXON	P	1915	HIST.SURV.	5620-0015-0009		7N	
046012		319 E A ST		DIXON	P	1931	HIST.SURV.	5620-0015-0010		5D2	
046015		328 E A ST	ASHBY HOUSE	DIXON	P	1910	HIST.SURV.	5620-0015-0013		5D2	
046013		329 E A ST		DIXON	P	1890	HIST.SURV.	5620-0015-0011		5D2	
046016		348 E A ST		DIXON	P	1910	HIST.SURV.	5620-0015-0014		5D2	
046017		358 E A ST	PETERS HOUSE	DIXON	P	1910	HIST.SURV.	5620-0015-0015		5D2	
046014		359 E A ST		DIXON	P	1925	HIST.SURV.	5620-0015-0012		5D2	
046018		370 E A ST	FRANK MARSHALL HOUSE	DIXON	P	1920	HIST.SURV.	5620-0015-0016		5D2	
046175		400 E A ST		DIXON	P	1890	HIST.SURV.	5620-0103-0000		7R	
046176		420 E A ST		DIXON	P	1920	HIST.SURV.	5620-0104-0000		7R	
045998		460 E A ST	SCHMEISER HOUSE	DIXON	P	1924	HIST.SURV.	5620-0010-0000		5S2	
045997		470 E A ST	ROBBEN HOUSE	DIXON	P	1910	HIST.SURV.	5620-0009-0000		5S2	
045999		550 E A ST		DIXON	P	1915	HIST.SURV.	5620-0011-0000		5S2	
046068		701 E A ST	ROWHER / PISTOR HOUSE	DIXON	P	1936	HIST.SURV.	5620-0033-0000		5S2	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
046071		850 E A ST		DIXON	U	1885	HIST.SURV.	5620-0036-0000		7N	
046026		135 E B ST	DIXON CARNEGIE LIBRARY, DIXON PUBL	DIXON	M	1912	HIST.RES.	NPS-10001199-0000	02/04/11	1S	A
							NAT.REG.	48-0021	06/08/10	3S	A
							HIST.SURV.	5620-0205-0000	02/22/05	3S	AC
							HIST.SURV.	5620-0022-0000		3S	
046003		193 E B ST	RICE HOUSE	DIXON	P	1918	HIST.SURV.	5620-0206-0000	02/22/05	5S3	
							HIST.SURV.	5620-0015-0001		7N	
046004		200 E B ST	BREWEN HOUSE	DIXON	P	1910	HIST.SURV.	5620-0015-0002		3S	
046005		220 E B ST	CLARK HOUSE	DIXON	P	1927	HIST.SURV.	5620-0015-0003		5D2	
046000		253 E B ST	SILVEY HOUSE	DIXON	P	1900	HIST.SURV.	5620-0012-0000		5S2	
046006		290 E B ST	VERNON SCHMEISER HOUSE	DIXON	P	1929	HIST.SURV.	5620-0015-0004		5D2	
046009		300 E B ST	GUS SCHULZE HOUSE, KILKENNY HOUSE	DIXON	P	1870	HIST.SURV.	5620-0015-0007		5D2	
046007		309 E B ST	MCCUNE HOUSE	DIXON	P	1915	HIST.SURV.	5620-0015-0005		5D2	
046001		365 E B ST		DIXON	P	1921	HIST.SURV.	5620-0013-0000		5S2	
046008		390 E B ST	OSCAR SCHULZ HOUSE	DIXON	P	1915	HIST.SURV.	5620-0015-0006		5D2	
046143		330 E BROADWAY		DIXON	P	1885	HIST.SURV.	5620-0071-0000		5S2	
046142		351 E BROADWAY		DIXON	U	1885	HIST.SURV.	5620-0070-0000		5S2	
046029		E C ST	EAST DIXON GRAMMAR SCHOOL, LINFORD	DIXON	M	1946	HIST.SURV.	5620-0025-0000		5S2	
046177		170 E C ST		DIXON	P	1955	HIST.SURV.	5620-0213-0000	02/22/05	6Z	
							HIST.SURV.	5620-0105-0000		7R	
046206		180 E C ST		DIXON	P	1885	HIST.SURV.	5620-0214-0000	02/22/05	6Z	
							HIST.SURV.	5620-0134-0000		5S2	
046002		190 E C ST		DIXON	P	1922	HIST.SURV.	5620-0215-0000	02/22/05	6X	
							HIST.SURV.	5620-0014-0000		5S2	
046200		200 E C ST		DIXON	P	1900	HIST.SURV.	5620-0128-0000		7R	
046178		209 E C ST		DIXON	P	1917	HIST.SURV.	5620-0106-0000		7R	
046201		220 E C ST		DIXON	P	1900	HIST.SURV.	5620-0129-0000		7R	
046202		240 E C ST		DIXON	P	1900	HIST.SURV.	5620-0130-0000		7R	
046203		260 E C ST		DIXON	P	1900	HIST.SURV.	5620-0131-0000		7R	
046204		290 E C ST		DIXON	P	1900	HIST.SURV.	5620-0132-0000		7R	
046179		390 E C ST		DIXON	P	1887	HIST.SURV.	5620-0107-0000		5S2	
046173		161 E CHESTNUT ST		DIXON	P	1933	HIST.SURV.	5620-0101-0000		7R	
046180		301 E D ST		DIXON	P	1895	HIST.SURV.	5620-0108-0000		5S2	
046128		270 E MAYES ST		DIXON	P	1930	HIST.SURV.	5620-0056-0000		5S2	
046129		365 E MAYES ST		DIXON	P	1927	HIST.SURV.	5620-0057-0000		5S2	
046130		370 E MAYES ST	SCHMEISER HOUSE	DIXON	P	1931	HIST.SURV.	5620-0058-0000		7N	
046171		160 E WALNUT ST		DIXON	P	1925	HIST.SURV.	5620-0099-0000		7R	
046172		180 E WALNUT ST		DIXON	P	1928	HIST.SURV.	5620-0100-0000		7R	
173099		1400 LINCOLN ST		DIXON	P	1918	PROJ.REVW.	FHWA070905B	09/28/07	6Y	
046070		400 MARVIN WY		DIXON	U	1946	HIST.SURV.	5620-0035-0000		5S2	
046065		N 1ST ST		DIXON	P	1890	HIST.SURV.	5620-0030-0000		5S2	
177142		102 N 1ST ST	PALACE HOTEL/DIXON HOTEL	DIXON	P	1875	HIST.SURV.	5620-0147-0000	02/22/05	6Z	
177144		105 N 1ST ST	FERGUSON'S HARDWARE/DAWSON'S	DIXON	P	1884	HIST.SURV.	5620-0149-0000	02/22/05	6Z	
177143		116 N 1ST ST	CUEVA'S	DIXON	P	1875	HIST.SURV.	5620-0148-0000	02/22/05	6Z	
046148		120 N 1ST ST	BETTY ANNS DRESS SHOP	DIXON	P	1922	HIST.SURV.	5620-0150-0000	02/22/05	6Z	
							HIST.SURV.	5620-0076-0000		5S2	
177145		127 N 1ST ST		DIXON	P	1884	HIST.SURV.	5620-0151-0000	02/22/05	5S3	
177146		130 N 1ST ST	DIXON THEATRE/DIXON THEATER	DIXON	P	1926	HIST.SURV.	5620-0152-0000	02/22/05	6Z	
177147		141 N 1ST ST		DIXON	P	1884	HIST.SURV.	5620-0153-0000	02/22/05	6Z	
177148		155 N 1ST ST		DIXON	P	1892	HIST.SURV.	5620-0154-0000	02/22/05	6Z	
177149		156 N 1ST ST	C.D. SCHULZE BUILDING	DIXON	P	1913	HIST.SURV.	5620-0155-0000	02/22/05	3S	C
046024		158 N 1ST ST	C. D. SCHULZE BUILDING	DIXON	U	1913	HIST.SURV.	5620-0020-0000		7N	
046023		165 N 1ST ST	SILVEYVILLE LODGE F. AND A. M. #20	DIXON	P	1884	HIST.SURV.	5620-0156-0000	02/22/05	5S3	A
							HIST.SURV.	5620-0019-0000		5S2	
177150		175 N 1ST ST		DIXON	P	1884	HIST.SURV.	5620-0157-0000	02/22/05	6Z	
177151		200 N 1ST ST	DIXON POST OFFICE	DIXON	P	1908	HIST.SURV.	5620-0158-0000	02/22/05	6Z	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
177152		201 N 1ST ST	EPPINGER AND CO	DIXON	P	1883	HIST.SURV.	5620-0159-0000	02/22/05	6Z	
177153		221 N 1ST ST		DIXON	P	1923	HIST.SURV.	5620-0160-0000	02/22/05	6Z	
171764		231 N 1ST ST	DIXON VERTERAN'S MEMORIAL HALL	DIXON		1923	PROJ.REVW.	HUD080521B	06/13/08	6Y	
177154		301 N 1ST ST		DIXON	P	1925	HIST.SURV.	5620-0161-0000	02/22/05	6Z	
177155		302 N 1ST ST		DIXON	P	1925	HIST.SURV.	5620-0162-0000	02/22/05	6Z	
045989		360 N 1ST ST	LEHE / McCUNE / KILKENNEY HOUSE	DIXON	P	1873	HIST.SURV.	5620-0163-0000	02/22/05	3S	C
							HIST.SURV.	5620-0001-0000		3S	
046020		800 N 1ST ST	DIXON PACKING PLANT (MACE AND GRIE	DIXON	U	1920	HIST.SURV.	5620-0016-0000		5S2	
177160		145 N 2ND ST		DIXON	P	1952	HIST.SURV.	5620-0170-0000	02/22/05	6Z	
177161		155 N 2ND ST	DIXON CITY HALL/DIXON COMMUNITY SE	DIXON	M	1951	HIST.SURV.	5620-0171-0000	02/22/05	6Z	
177162		235 N 2ND ST	COMMUNITY ASSISTANCE CORP	DIXON	P	1950	HIST.SURV.	5620-0172-0000	02/22/05	6Z	
046072		350 N 2ND ST		DIXON	P	1910	HIST.SURV.	5620-0037-0000		5S2	
177163		355 N 2ND ST		DIXON	P	1938	HIST.SURV.	5620-0173-0000	02/22/05	6Z	
046073		378 N 2ND ST		DIXON	P	1900	HIST.SURV.	5620-0038-0000		5S2	
046010		160 N 3RD ST	HERB SCHULZE HOUSE, BLOOM HOUSE	DIXON	P	1910	HIST.SURV.	5620-0015-0008		5D2	
046075		155 N 4TH ST		DIXON	P	1938	HIST.SURV.	5620-0040-0000		5S2	
046076		209 N 4TH ST		DIXON	P	1939	HIST.SURV.	5620-0041-0000		5S2	
046077		219 N 4TH ST		DIXON	P	1935	HIST.SURV.	5620-0042-0000		5S2	
046108		N ADAMS ST		DIXON	P	1885	HIST.SURV.	5620-0054-9999		5D2	
177173		100 N ADAMS ST		DIXON	P	1959	HIST.SURV.	5620-0183-0000	02/22/05	6Z	
177174		110 N ADAMS ST		DIXON	P	1932	HIST.SURV.	5620-0184-0000	02/22/05	6Z	
046102		119 N ADAMS ST		DIXON	P	1915	HIST.SURV.	5620-0054-0006		5D2	
177175		120 N ADAMS ST		DIXON	P	1932	HIST.SURV.	5620-0185-0000	02/22/05	6Z	
046097		129 N ADAMS ST	R. E. L. STEPHENS HOUSE	DIXON	P	1890	HIST.SURV.	5620-0054-0001		5D2	
177176		130 N ADAMS ST		DIXON	P	1932	HIST.SURV.	5620-0186-0000	02/22/05	6Z	
046098		149 N ADAMS ST	CHARLES KIRBY HOUSE	DIXON	P	1893	HIST.SURV.	5620-0187-0000	02/22/05	5S3	
							HIST.SURV.	5620-0054-0002		5D2	
046099		209 N ADAMS ST	MC CAN HOUSE	DIXON	P	1892	HIST.SURV.	5620-0188-0000	02/22/05	5S3	
							HIST.SURV.	5620-0054-0003		7N	
046101		219 N ADAMS ST	FRED PEACOCK HOUSE	DIXON	P	1893	HIST.SURV.	5620-0189-0000	02/22/05	6X	
							HIST.SURV.	5620-0054-0005		5D2	
177178		220 N ADAMS ST		DIXON	P	1958	HIST.SURV.	5620-0190-0000	02/22/05	6Z	
177179		229 N ADAMS ST		DIXON	P	1946	HIST.SURV.	5620-0191-0000	02/22/05	6Z	
046181		249 N ADAMS ST		DIXON	P	1880	HIST.SURV.	5620-0192-0000	02/22/05	6Z	
							HIST.SURV.	5620-0109-0000		7R	
177180		260 N ADAMS ST		DIXON	P	1955	HIST.SURV.	5620-0193-0000	02/22/05	6Z	
177181		300 N ADAMS ST		DIXON	P	1948	HIST.SURV.	5620-0194-0000	02/22/05	6Z	
046103		309 N ADAMS ST	HORIGAN HOUSE	DIXON	P	1890	HIST.SURV.	5620-0195-0000	02/22/05	6Z	
							HIST.SURV.	5620-0054-0007		5D2	
177182		320 N ADAMS ST		DIXON	P	1948	HIST.SURV.	5620-0196-0000	02/22/05	6Z	
177183		330 N ADAMS ST		DIXON	P	1948	HIST.SURV.	5620-0197-0000	02/22/05	6Z	
177184		340 N ADAMS ST		DIXON	P	1950	HIST.SURV.	5620-0198-0000	02/22/05	6Z	
177185		350 N ADAMS ST		DIXON	P	1955	HIST.SURV.	5620-0199-0000	02/22/05	6Z	
177187		373 N ADAMS ST		DIXON	P	1950	HIST.SURV.	5620-0200-0000	02/22/05	6Z	
177189		393 N ADAMS ST		DIXON	P	1949	HIST.SURV.	5620-0201-0000	02/22/05	5S3	
177190		400 N ADAMS ST		DIXON	P	1947	HIST.SURV.	5620-0202-0000	02/22/05	3S	
177191		409 N ADAMS ST	NORMANDY INN/DIXON AUTO CAMP	DIXON	P	1938	HIST.SURV.	5620-0203-0000	02/22/05	6Z	
177192		460 N ADAMS ST		DIXON	P	1957	HIST.SURV.	5620-0204-0000	02/22/05	6Z	
046022		N JACKSON ST		DIXON	U	1935	HIST.SURV.	5620-0018-0000		5S2	
177209		140 N JACKSON ST	DIXON FIRE DEPARTMENT	DIXON	M	1929	HIST.SURV.	5620-0225-0000	02/22/05	6Z	
177210		419 N JACKSON ST		DIXON	P	1910	HIST.SURV.	5620-0226-0000	02/22/05	6Z	
046096		N JEFFERSON ST		DIXON	P	1866	HIST.SURV.	5620-0053-9999		7N	
046088		195 N JEFFERSON ST		DIXON	P	1890	HIST.SURV.	5620-0053-0001		7N	
177211		209 N JEFFERSON ST	DIXON METHODIST CHURCH/DIXON UNITE	DIXON	P	1866	HIST.SURV.	5620-0227-0000	02/22/05	5S3	
046090		219 N JEFFERSON ST	VAN PELT HOUSE	DIXON	P	1906	HIST.SURV.	5620-0228-0000	02/22/05	5S3	
							HIST.SURV.	5620-0053-0003		7N	

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046091		239 N JEFFERSON ST	MANN HOUSE, SEDGEWICK HOUSE	DIXON	P	1875	HIST.SURV.	5620-0229-0000	02/22/05	3S	AC
							HIST.SURV.	5620-0053-0004		3S	
046154		300 N JEFFERSON ST	FANNING HOUSE	DIXON	P	1865	HIST.SURV.	5620-0230-0000	02/22/05	5S3	
							HIST.SURV.	5620-0082-0000		7R	
177213		319 N JEFFERSON ST		DIXON	P	1950	HIST.SURV.	5620-0231-0000	02/22/05	6Z	
177214		339 N JEFFERSON ST		DIXON	P	1923	HIST.SURV.	5620-0232-0000	02/22/05	5S3	
046100		340 N JEFFERSON ST	BROCK DICKIE HOUSE	DIXON	P	1915	HIST.SURV.	5620-0233-0000	02/22/05	5S3	
							HIST.SURV.	5620-0054-0004		5D2	
046092		360 N JEFFERSON ST	RAABE (JENSEN) HOUSE	DIXON	P	1887	HIST.SURV.	5620-0234-0000	02/22/05	5S3	
							HIST.SURV.	5620-0053-0005		7N	
046094		379 N JEFFERSON ST	ALVIN KERR HOUSE	DIXON	P	1870	HIST.SURV.	5620-0235-0000	02/22/05	3S	
							HIST.SURV.	5620-0053-0007		7N	
046093		380 N JEFFERSON ST	SAGER (ROBBEN) HOUSE	DIXON	P	1865	HIST.SURV.	5620-0236-0000	02/22/05	5S3	
							HIST.SURV.	5620-0053-0006		3S	
046095		400 N JEFFERSON ST	GEORGE ULLSTEIN HOUSE, GUY McFADDE	DIXON	P	1870	HIST.SURV.	5620-0237-0000	02/22/05	5S3	
							HIST.SURV.	5620-0053-0008		7N	
046146		409 N JEFFERSON ST		DIXON	P	1915	HIST.SURV.	5620-0238-0000	02/22/05	5S3	
							HIST.SURV.	5620-0074-0000		5S2	
046149		429 N JEFFERSON ST		DIXON	P	1920	HIST.SURV.	5620-0239-0000	02/22/05	5S3	
							HIST.SURV.	5620-0077-0000		7R	
046150		439 N JEFFERSON ST		DIXON	P	1930	HIST.SURV.	5620-0240-0000	02/22/05	6Z	
							HIST.SURV.	5620-0078-0000		7R	
046205		440 N JEFFERSON ST		DIXON	P	1870	HIST.SURV.	5620-0241-0000	02/22/05	6Z	
							HIST.SURV.	5620-0133-0000		7R	
046151		460 N JEFFERSON ST		DIXON	P	1900	HIST.SURV.	5620-0079-0000		7R	
046145		479 N JEFFERSON ST		DIXON	P	1880	HIST.SURV.	5620-0242-0000	02/22/05	5S3	
							HIST.SURV.	5620-0073-0000		5S2	
046152		480 N JEFFERSON ST		DIXON	P	1910	HIST.SURV.	5620-0243-0000	02/22/05	6Z	
							HIST.SURV.	5620-0080-0000		7R	
046069		N LINCOLN / W H ST	WATSON RANCH BARN	DIXON	M	1904	HIST.SURV.	5620-0034-0000		5S2	
133148		9080 OLD DAVIS RD	CALIFORNIA DAIRY BREEDERS ASSOC/ P	DIXON	P		HIST.RES.	DOE-48-02-0008-0000	04/29/02	6Y	
							PROJ.REVW.	FHWA020219B	04/29/02	6Y	
173098		7588 PITT SCHOOL RD		DIXON	P	1951	PROJ.REVW.	FHWA070905B	09/28/07	6Y	
							PROJ.REVW.	FHWA070905B	09/28/07	6Y	
173100		7610 PITT SCHOOL RD		DIXON	P	1884	PROJ.REVW.	FHWA070905B	09/28/07	6Y	
046067		RIO-DIXON RD	THE BLOOM HOUSE	DIXON	P	1900	HIST.SURV.	5620-0032-0000		5S2	
046066		RIO-DIXON RD	THE KILKENNEY PLACE	DIXON	P	1900	HIST.SURV.	5620-0031-0000		5S2	
133147		8550 RUNGE RD		DIXON	P	1890	HIST.RES.	DOE-48-02-0007-0000	04/29/02	6Y	
							PROJ.REVW.	FHWA020219B	04/29/02	6Y	
046127		S 1ST ST	SOUTH FIRST STREET, 100-400 BLOCKS	DIXON	P	1885	HIST.SURV.	5620-0055-9999		5D2	
177156		100 S 1ST ST	I.O.O.F BUILDING	DIXON	P	1884	HIST.SURV.	5620-0164-0000	02/22/05	3S	C
046163		121 S 1ST ST		DIXON	P	1940	HIST.SURV.	5620-0165-0000	02/22/05	6Z	
							HIST.SURV.	5620-0091-0000		7R	
177157		130 S 1ST ST		DIXON	P	1910	HIST.SURV.	5620-0166-0000	02/22/05	6Z	
046164		131 S 1ST ST		DIXON	P	1940	HIST.SURV.	5620-0167-0000	02/22/05	6Z	
							HIST.SURV.	5620-0092-0000		7R	
046109		141 S 1ST ST		DIXON	P	1895	HIST.SURV.	5620-0055-0001		5D2	
177158		151 S 1ST ST		DIXON	P	1875	HIST.SURV.	5620-0168-0000	02/22/05	5S3	
177159		160 S 1ST ST	JAY'S SAFETY LANE	DIXON	PP	1947	HIST.SURV.	5620-0169-0000	02/22/05	6Z	
046112		221 S 1ST ST		DIXON	P	1895	HIST.SURV.	5620-0055-0004		5D2	
046110		230 S 1ST ST		DIXON	P	1900	HIST.SURV.	5620-0055-0002		5D2	
046111		240 S 1ST ST		DIXON	P	1918	HIST.SURV.	5620-0055-0003		5D2	
046113		241 S 1ST ST		DIXON	P	1913	HIST.SURV.	5620-0055-0005		5D2	
046156		250 S 1ST ST		DIXON	P	1880	HIST.SURV.	5620-0084-0000		7R	
046114		261 S 1ST ST		DIXON	P	1885	HIST.SURV.	5620-0055-0006		5D2	
046115		271 S 1ST ST		DIXON	P	1890	HIST.SURV.	5620-0055-0007		5D2	

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046157		310 S 1ST ST		DIXON	P	1910	HIST.SURV.	5620-0085-0000		5S2	
046117		311 S 1ST ST		DIXON	P	1885	HIST.SURV.	5620-0055-0009		7N	
046158		320 S 1ST ST		DIXON	P	1913	HIST.SURV.	5620-0086-0000		7R	
046119		330 S 1ST ST		DIXON	P	1937	HIST.SURV.	5620-0055-0011		5D2	
046118		331 S 1ST ST		DIXON	P	1885	HIST.SURV.	5620-0055-0010		5D2	
046116		340 S 1ST ST		DIXON	P	1890	HIST.SURV.	5620-0055-0008		5D2	
046162		361 S 1ST ST		DIXON	P	1906	HIST.SURV.	5620-0090-0000		7R	
046120		391 S 1ST ST		DIXON	P	1916	HIST.SURV.	5620-0055-0012		5D2	
046123		400 S 1ST ST		DIXON	P	1900	HIST.SURV.	5620-0055-0015		5D2	
046121		411 S 1ST ST		DIXON	P	1922	HIST.SURV.	5620-0055-0013		5D2	
046159		420 S 1ST ST		DIXON	P	1900	HIST.SURV.	5620-0087-0000		7R	
046124		430 S 1ST ST		DIXON	P	1920	HIST.SURV.	5620-0055-0016		5D2	
046122		431 S 1ST ST		DIXON	P	1920	HIST.SURV.	5620-0055-0014		5D2	
046125		440 S 1ST ST		DIXON	P	1920	HIST.SURV.	5620-0055-0017		5D2	
046207		450 S 1ST ST		DIXON	P	1900	HIST.SURV.	5620-0135-0000		7R	
046161		461 S 1ST ST		DIXON	P	1910	HIST.SURV.	5620-0089-0000		7R	
046126		481 S 1ST ST		DIXON	P	1926	HIST.SURV.	5620-0055-0018		5D2	
046160		510 S 1ST ST		DIXON	P	1885	HIST.SURV.	5620-0088-0000		5S2	
046027		105 S 2ND ST	ST PETER'S CATHOLIC CHURCH	DIXON	P	1915	HIST.SURV.	5620-0174-0000	02/22/05	3S	C
							HIST.SURV.	5620-0023-0000		3S	
046131		150 S 2ND ST		DIXON	P	1917	HIST.SURV.	5620-0059-0000		5S2	
046165		170 S 2ND ST		DIXON	P	1890	HIST.SURV.	5620-0093-0000		7R	
046166		210 S 2ND ST		DIXON	P	1935	HIST.SURV.	5620-0094-0000		7R	
046167		230 S 2ND ST		DIXON	P	1935	HIST.SURV.	5620-0095-0000		7R	
046208		241 S 2ND ST		DIXON	P	1915	HIST.SURV.	5620-0136-0000		7R	
046209		251 S 2ND ST		DIXON	P	1915	HIST.SURV.	5620-0137-0000		7R	
046210		261 S 2ND ST		DIXON	P	1915	HIST.SURV.	5620-0138-0000		7R	
046211		271 S 2ND ST		DIXON	P	1915	HIST.SURV.	5620-0139-0000		7R	
046168		370 S 2ND ST		DIXON	P		HIST.SURV.	5620-0096-0000		7R	
046132		380 S 2ND ST		DIXON	P	1890	HIST.SURV.	5620-0060-0000		5S2	
046133		170 S 3RD ST		DIXON	P	1916	HIST.SURV.	5620-0061-0000		7N	
046134		171 S 3RD ST		DIXON	P	1916	HIST.SURV.	5620-0062-0000		5S2	
046169		250 S 3RD ST		DIXON	P	1916	HIST.SURV.	5620-0097-0000		7R	
046135		251 S 3RD ST		DIXON	P	1890	HIST.SURV.	5620-0063-0000		5S2	
046136		261 S 3RD ST		DIXON	P	1912	HIST.SURV.	5620-0064-0000		5S2	
046137		270 S 3RD ST		DIXON	P	1890	HIST.SURV.	5620-0065-0000		5S2	
046138		280 S 3RD ST		DIXON	P	1890	HIST.SURV.	5620-0066-0000		5S2	
046139		331 S 3RD ST		DIXON	P	1860	HIST.SURV.	5620-0067-0000		7N	
046140		350 S 3RD ST		DIXON	P	1913	HIST.SURV.	5620-0068-0000		5S2	
046141		390 S 3RD ST		DIXON	P	1933	HIST.SURV.	5620-0069-0000		5S2	
046170		131 S 4TH ST		DIXON	P	1926	HIST.SURV.	5620-0098-0000		7R	
046144		141 S 4TH ST		DIXON	P	1890	HIST.SURV.	5620-0072-0000		5S2	
046182		160 S JACKSON ST		DIXON	P	1890	HIST.SURV.	5620-0110-0000		5S2	
046195		210 S JACKSON ST		DIXON	P	1900	HIST.SURV.	5620-0123-0000		7R	
046084		220 S JACKSON ST		DIXON	P	1914	HIST.SURV.	5620-0049-0000		5S2	
046083		230 S JACKSON ST		DIXON	P	1914	HIST.SURV.	5620-0048-0000		5S2	
046082		231 S JACKSON ST		DIXON	P	1915	HIST.SURV.	5620-0047-0000		5S2	
046081		240 S JACKSON ST		DIXON	P	1916	HIST.SURV.	5620-0046-0000		5S2	
046080		250 S JACKSON ST		DIXON	P	1895	HIST.SURV.	5620-0045-0000		5S2	
046079		330 S JACKSON ST		DIXON	P	1910	HIST.SURV.	5620-0044-0000		5S2	
046196		331 S JACKSON ST		DIXON	P	1910	HIST.SURV.	5620-0124-0000		7R	
046197		341 S JACKSON ST		DIXON	P	1890	HIST.SURV.	5620-0125-0000		7R	
046198		350 S JACKSON ST		DIXON	P	1925	HIST.SURV.	5620-0126-0000		7R	
174717		261 S JEFFERSON ST		DIXON	P	1945	PROJ.REVW.	VA090114A	01/15/09	6Y	
046030		290 S JEFFERSON ST	DIXON WOOD WORKS	DIXON	P	1935	HIST.SURV.	5620-0026-0000		5S2	
046064		SR 113	THE ATKINSON HOUSE	DIXON	P	1900	HIST.SURV.	5620-0029-0000		5S2	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
046063		SR 113	THE VAUGHN HOUSE	DIXON	P	1910	HIST.SURV.	5620-0028-0000		5S2	
115388		SR 80	SWEENEY CREEK BRIDGE(23-83L, 23-83	DIXON	S	1946	HIST.RES.	DOE-48-98-0002-0000	04/29/98	6Y	
							PROJ.REVW.	FHWA980406C	04/29/98	6Y	
115375		SR 80	GIBSON CANYON CREEK BRIDGES(23-12L	DIXON	S	1946	HIST.RES.	DOE-48-98-0001-0000	04/29/98	6Y	
							PROJ.REVW.	FHWA980406C	04/29/98	6Y	
177168		121 W A ST	DIXON ICE CO.	DIXON	P	1925	HIST.SURV.	5620-0179-0000	02/22/05	6Z	
177169		130 W A ST		DIXON	P	1915	HIST.SURV.	5620-0180-0000	02/22/05	6Z	
177171		180 W A ST		DIXON	P	1886	HIST.SURV.	5620-0181-0000	02/22/05	6Z	
046078		210 W A ST		DIXON	P	1910	HIST.SURV.	5620-0043-0000		5S2	
177172		350 W A ST		DIXON	P	1910	HIST.SURV.	5620-0182-0000	02/22/05	6Z	
046031		480 W A ST		DIXON	P	1924	HIST.SURV.	5620-0027-0001		5D2	
046032		490 W A ST		DIXON	P	1924	HIST.SURV.	5620-0027-0002		5D2	
046033		506 W A ST		DIXON	P	1922	HIST.SURV.	5620-0027-0003		5D2	
046040		509 W A ST		DIXON	P	1916	HIST.SURV.	5620-0027-0010		5D2	
046034		520 W A ST		DIXON	P	1928	HIST.SURV.	5620-0027-0004		5D2	
046041		529 W A ST		DIXON	P	1909	HIST.SURV.	5620-0027-0011		5D2	
046035		530 W A ST		DIXON	P	1928	HIST.SURV.	5620-0027-0005		5D2	
046036		540 W A ST		DIXON	P	1908	HIST.SURV.	5620-0027-0006		5D2	
046037		550 W A ST		DIXON	P	1930	HIST.SURV.	5620-0027-0007		5D2	
046042		579 W A ST		DIXON	P	1928	HIST.SURV.	5620-0027-0012		5D2	
046043		589 W A ST		DIXON	P	1928	HIST.SURV.	5620-0027-0013		5D2	
046038		600 W A ST		DIXON	P	1921	HIST.SURV.	5620-0027-0008		5D2	
046044		619 W A ST		DIXON	P	1925	HIST.SURV.	5620-0027-0014		5D2	
046039		620 W A ST		DIXON	P	1920	HIST.SURV.	5620-0027-0009		5D2	
046045		629 W A ST		DIXON	P	1918	HIST.SURV.	5620-0027-0015		5D2	
177196		160 W B ST		DIXON	P	1884	HIST.SURV.	5620-0207-0000	02/22/05	6Z	
177197		170 W B ST		DIXON	P	1886	HIST.SURV.	5620-0208-0000	02/22/05	6Z	
177198		180 W B ST		DIXON	P	1920	HIST.SURV.	5620-0209-0000	02/22/05	6Z	
046089		340 W B ST	SILVEYVILLE METHODIST CHURCH, DIXO	DIXON	P	1880	HIST.SURV.	5620-0210-0000	02/22/05	6Z	
							HIST.SURV.	5620-0053-0002		3S	
046104		351 W B ST	HODGE HOUSE, BERT LITTLE HOUSE	DIXON	P	1915	HIST.SURV.	5620-0211-0000	02/22/05	6Z	
							HIST.SURV.	5620-0054-0008		5D2	
046105		390 W B ST	GEORGE STEINMILLER	DIXON	P	1920	HIST.SURV.	5620-0212-0000	02/22/05	5S3	
							HIST.SURV.	5620-0054-0009		5D2	
046046		470 W B ST		DIXON	P	1918	HIST.SURV.	5620-0027-0016		5D2	
046047		480 W B ST		DIXON	P	1918	HIST.SURV.	5620-0027-0017		5D2	
046048		500 W B ST		DIXON	P	1925	HIST.SURV.	5620-0027-0018		5D2	
046057		511 W B ST		DIXON	P	1930	HIST.SURV.	5620-0027-0027		5D2	
046049		520 W B ST		DIXON	P	1911	HIST.SURV.	5620-0027-0019		5D2	
046058		585 W B ST		DIXON	P	1934	HIST.SURV.	5620-0027-0028		5D2	
046059		619 W B ST		DIXON	P	1931	HIST.SURV.	5620-0027-0029		5D2	
046050		620 W B ST		DIXON	P	1926	HIST.SURV.	5620-0027-0020		5D2	
046051		640 W B ST		DIXON	P	1916	HIST.SURV.	5620-0027-0021		5D2	
046052		670 W B ST		DIXON	P	1937	HIST.SURV.	5620-0027-0022		5D2	
046060		695 W B ST		DIXON	P	1931	HIST.SURV.	5620-0027-0030		5D2	
046053		700 W B ST		DIXON	P	1912	HIST.SURV.	5620-0027-0023		5D2	
046054		720 W B ST		DIXON	P	1912	HIST.SURV.	5620-0027-0024		5D2	
046061		725 W B ST		DIXON	P	1940	HIST.SURV.	5620-0027-0031		5D2	
046055		730 W B ST		DIXON	P	1915	HIST.SURV.	5620-0027-0025		5D2	
046056		750 W B ST		DIXON	P	1912	HIST.SURV.	5620-0027-0026		5D2	
046087		170 W BROADWAY ST		DIXON	P	1913	HIST.SURV.	5620-0052-0000		5S2	
046183		171 W BROADWAY ST		DIXON	P	1935	HIST.SURV.	5620-0111-0000		7R	
046184		190 W BROADWAY ST		DIXON	P	1915	HIST.SURV.	5620-0112-0000		7R	
046086		191 W BROADWAY ST		DIXON	P	1910	HIST.SURV.	5620-0051-0000		5S2	
046185		311 W BROADWAY ST		DIXON	P	1890	HIST.SURV.	5620-0113-0000		7R	
177201		320 W C ST		DIXON	P	1930	HIST.SURV.	5620-0216-0000	02/22/05	5S3	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
177202		339 W C ST		DIXON	P	1950	HIST.SURV.	5620-0217-0000	02/22/05	6Z	
177203		340 W C ST		DIXON	P	1930	HIST.SURV.	5620-0218-0000	02/22/05	6Z	
046155		350 W C ST		DIXON	P	1930	HIST.SURV.	5620-0219-0000	02/22/05	6Z	
							HIST.SURV.	5620-0083-0000		7R	
177204		409 W C ST		DIXON	P	1946	HIST.SURV.	5620-0220-0000	02/22/05	6Z	
177205		470 W C ST		DIXON	P	1938	HIST.SURV.	5620-0221-0000	02/22/05	5S3	
046106		500 W C ST	JIM MILLER HOUSE	DIXON	U	1910	HIST.SURV.	5620-0054-0010		5D2	
177206		230 W D ST		DIXON	P	1958	HIST.SURV.	5620-0222-0000	02/22/05	6Z	
177207		270 W D ST		DIXON	P	1951	HIST.SURV.	5620-0223-0000	02/22/05	6Z	
177208		383 W D ST		DIXON	P	1949	HIST.SURV.	5620-0224-0000	02/22/05	6Z	
046021		W E ST	CALIFORNIA MEALFALFA COMPANY WAREH	DIXON	U	1920	HIST.SURV.	5620-0017-0000		5S2	
046107		290 W E ST	HERMAN SCHOEDER HOUSE	DIXON	P	1925	HIST.SURV.	5620-0054-0011		5D2	
046153		290 W F ST		DIXON	P	1910	HIST.SURV.	5620-0081-0000		7R	
046199		497 W JEFFERSON ST		DIXON	P	1915	HIST.SURV.	5620-0127-0000		7R	
046186		170 W WALNUT ST		DIXON	P	1925	HIST.SURV.	5620-0114-0000		7R	
046187		181 W WALNUT ST		DIXON	P	1921	HIST.SURV.	5620-0115-0000		7R	
046188		190 W WALNUT ST		DIXON	P	1925	HIST.SURV.	5620-0116-0000		7R	
046189		191 W WALNUT ST		DIXON	P	1915	HIST.SURV.	5620-0117-0000		7R	
046190		240 W WALNUT ST		DIXON	P	1890	HIST.SURV.	5620-0118-0000		7R	
046191		330 W WALNUT ST		DIXON	P	1900	HIST.SURV.	5620-0119-0000		7R	
046085		350 W WALNUT ST		DIXON	P	1890	HIST.SURV.	5620-0050-0000		5S2	
046192		351 W WALNUT ST		DIXON	P	1925	HIST.SURV.	5620-0120-0000		7R	
046193		361 W WALNUT ST		DIXON	P	1925	HIST.SURV.	5620-0121-0000		7R	
046194		371 W WALNUT ST		DIXON	P	1925	HIST.SURV.	5620-0122-0000		7R	
173857			HAAS SLOUGH BEET DUMP	(VIC) DIXON	P		PROJ.REVW.	COE080926C	10/16/08	6Y	
046216		BECKER RD	DIETRICH RANCH	(VIC) DIXON	P	1905	HIST.SURV.	5620-0144-0000		5S2	
046217		2860 BECKER RD	E. A. WATKINS HOUSE	(VIC) DIXON	P	1903	HIST.SURV.	5620-0145-0000		5S2	
046212		CHILES RD	H. HENRY HAMEL FAMILY RANCH, HAMEL	(VIC) DIXON	P	1857	HIST.SURV.	5620-0140-0000		7N	
135383		6751 MAINE PRAIRIE RD	BROWN THREE-CAR GARAGE	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0003	11/07/02	6X	
135384		6751 MAINE PRAIRIE RD	BROWN PUMP HOUSE	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0004	11/07/02	6X	
135382		6751 MAINE PRAIRIE RD	BROWN HORSE BARN	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0002	11/07/02	6X	
135385		6751 MAINE PRAIRIE RD	BROWN TWO-CAR GARAGE	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0005	11/07/02	6X	
135386		6751 MAINE PRAIRIE RD	BROWN SHED	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0006	11/07/02	6X	
135381		6751 MAINE PRAIRIE RD	BROWN TANKHOUSE	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0001	11/07/02	1D	C
129980		6751 MAINE PRAIRIE RD	BROWN, JACKSON FAY, HOUSE	(VIC) DIXON	P	1887	HIST.RES.	NPS-02001289-9999	11/07/02	1S	C
							NAT.REG.	48-0013	08/02/02	3S	C
135388		6751 MAINE PRAIRIE RD	BROWN GAZEBO	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0008	11/07/02	6X	
135387		6751 MAINE PRAIRIE RD	BROWN SMALL SMOKEHOUSE	(VIC) DIXON	P		HIST.RES.	NPS-02001289-0007	11/07/02	1D	C
133149		OLD DAVIS RD		(VIC) DIXON	P		HIST.RES.	DOE-48-02-0009-0000	04/29/02	6Y	
							PROJ.REVW.	FHWA020219B	04/29/02	6Y	
046218		PUTAH CREEK	STEVENSONS BRIDGE	(VIC) DIXON	C	1923	HIST.SURV.	5620-0146-0000		7N	
133145		8288 RUNGE RD	COELHO RANCH/ TIMOTHY FARMING	(VIC) DIXON	P		HIST.RES.	DOE-48-02-0005-0000	04/29/02	6Y	
							PROJ.REVW.	FHWA020219B	04/29/02	6Y	
133146		8550 RUNGE RD	BARN	(VIC) DIXON	P	1924	HIST.RES.	DOE-48-02-0006-0000	04/29/02	6Y	
							PROJ.REVW.	FHWA020219B	04/29/02	6Y	
091447		SILVEYVILLE RD	VILLAGE OF SILVEYVILLE	(VIC) DIXON	U		HIST.RES.	SPHI-SOL-002	12/02/76	7L	
114946		STEVENSON BRIDGE RD	BRIDGE #23C-92 / STEVENSON BRIDGE	(VIC) DIXON	C	1923	HIST.RES.	DOE-48-86-0004-0000	10/19/86	2S2	C
							PROJ.REVW.	FHWA860919Z	10/19/86	2S2	C
046214		TREMONT RD	CLAUS AND LENA EGGERT HOUSE, W. H.	(VIC) DIXON	P	1883	HIST.SURV.	5620-0142-0000		3S	
046215		TREMONT RD	WESTMINSTER PRESBYTERIAN CHURCH, T	(VIC) DIXON	P	1871	HIST.SURV.	5620-0143-0000		3S	
046213		TREMONT RD	STICK HOUSE	(VIC) DIXON	P	1888	HIST.SURV.	5620-0141-0000		7N	
046291				ELMIRA	P	1890	HIST.SURV.	5625-0003-0000		5S2	

DURING WORLD WARS I AND II. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: PRIVATE.

SUMMERS HOUSE, *DIXON, SOLANO COUNTY.* ANDREW GOOD SUMMERS, BORN IN VIRGINIA, CAME TO CALIFORNIA DURING THE CIVIL WAR AND FARMED EXTENSIVELY IN THE TOWN OF DIXON. OWNERSHIP: PRIVATE.

SUMMERSVILLE (TUOLUMNE) (SEE EXPLORATION/SETTLEMENT)

SUPERINTENDENT'S OFFICE, *CAPITOLA, SANTA CRUZ COUNTY.* THIS BUILDING IS CAPITOLA'S OLDEST COMMERCIAL STRUCTURE. IT SERVED AS HEADQUARTERS FOR F.A. HIHN'S OPERATIONS FROM APPROXIMATELY 1883 TO 1919, WHEN HE OWNED AND DEVELOPED WHAT WAS THEN KNOWN AS 'CAMP CAPITOLA' INTO THE FIRST SEASIDE RESORT IN THE STATE OF CALIFORNIA. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: PRIVATE.

SUTTER COUNTY CANNING AND PACKING COMPANY, *YUBA CITY, SUTTER COUNTY.* THIS, THE FIRST BUILDING OF THE SUTTER COUNTY CANNERY, WAS BUILT IN 1884 OF BRICK WITH A SHEET IRON ROOF. THE CANNERY CONTINUED ITS OPERATIONS UNTIL THE EARLY 1900'S. POINT OF HISTORICAL INTEREST. OWNERSHIP: PRIVATE.

SUTTER CREEK (SEE EXPLORATION/SETTLEMENT)

SUTTER'S FORT (SEE EXPLORATION/SETTLEMENT)

SUTTER'S LANDING, *SACRAMENTO, SACRAMENTO COUNTY.* CAPTAIN JOHN A. SUTTER, AFTER COMING UP THE SACRAMENTO RIVER FROM YERBA BUENA IN AUGUST, 1839, LANDED AT WHAT WAS THEN THE SOUTH BANK OF THE AMERICAN RIVER. A SHORT TIME THEREAFTER HE MOVED TO THE SITE WHERE HE ESTABLISHED A PERMANENT CAMP, AND LATER BUILT HIS FORT. SUTTER AND HIS MEN WERE THE FIRST SETTLERS WITHIN THE PRESENT CITY LIMITS OF SACRAMENTO. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: CITY.

SWANTON RANCH, *SWANTON, SANTA CRUZ COUNTY.* OWNED BY FRANK MCCRARY; CATTLE RANCH

SWETT,(JOHN) RANCH, *MARTINEZ, CONTRA COSTA COUNTY.* SWETT WAS OF HILL GIRT RANCH, LATER SWETT RANCH. RANCH CONSISTED OF ONE HUNDRED ACRES OF ORCHARDS AND VINEYARDS. OWNERSHIP: PRIVATE.

SWIFT'S STONE CORRAL, *COLUSA COUNTY.* THE ORIGINAL OWNER AND BUILDER OF THIS STONE CORRAL WAS GRANVILLE P. SWIFT, A NATIVE OF KENTUCKY. IN 1847 SWIFT WENT TO LIVE IN COLUSA COUNTY AND SETTLED IN STONEY CREEK VALLEY WHERE HE BEGAN RANCHING. IN 1850 SWIFT AND HIS PARTNER FRANK SEARS FELT A NEED FOR A CORRAL. AS THERE WAS NO TIMBER IN THE SURROUNDING COUNTRY, THE CORRAL WAS BUILT OF FLAT STONES WHICH WERE SCATTERED OVER THE AREA. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: PRIVATE.

SWIFT,(GRANVILLE P.) ADOBE (SEE EXPLORATION/SETTLEMENT)

SWINGING BRIDGE, *ARROYO GRANDE, SAN LUIS OBISPO COUNTY.* THIS BRIDGE BEGAN LIFE AS A SWINGING ROPE WALK; LATER WOODEN SIDES WERE ADDED AND STILL LATER A MORE SOLID STRUCTURE WAS ERECTED (1911) . BRIDGE WAS FULLY REPAIRED IN 1953. OWNERSHIP: CITY.

SYCAMORE POINT, *FRESNO COUNTY.* HEAD OF THE NAVIGATION FOR THE SAN JOAQUIN RIVER. IN THE SPRING OF 1852 AND FOR MANY YEARS THEREAFTER, PADDLE-WHEEL STEAMERS MADE REGULAR TRIPS DURING HIGH WATER. THEIR CARGOS WERE CARRIED FROM THAT POINT ON BY WAGON. THE LAST STEAMER TO REACH THIS AREA WAS IN 1916. POINT OF HISTORICAL INTEREST.

TAILHOLT (SEE EXPLORATION/SETTLEMENT)

TASSAJARA HOT SPRINGS (SEE EXPLORATION/SETTLEMENT)

TAYLOR,(SAMUEL P.) PAPER MILL, *MARIN COUNTY.* THE FIRST PAPER MILL ON THE PACIFIC COAST WAS BUILT HERE IN NOVEMBER 1856 BY SAMUEL PENFIELD TAYLOR. USING WATERPOWER, AND LATER STEAM, IT WAS REPLACED IN 1884 BY A LARGER STEAMPOWERED MILL NEARBY, WHICH WAS CLOSED BY THE DEPRESSION OF 1893 AND DESTROYED BY FIRE IN 1915. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: STATE.

TAYLORSVILLE, *PLUMAS COUNTY.* FOUNDED IN 1852 BY JOB TAYLOR, TAYLORSVILLE IS ONE OF THE EARLIEST SETTLEMENTS IN PLUMAS COUNTY AND IS STILL AN ACTIVE COMMUNITY. MANY OF THE ORIGINAL BUSINESSES AND HOMES ARE STILL IN USE. A MUSEUM HOUSES HISTORICAL ITEMS FROM THE SURROUNDING AREA. POINT OF HISTORICAL INTEREST.

TEHACHAPI LOOP, *KERN COUNTY.* THE WORLD-RENOWNED 'LOOP' WAS COMPLETED IN 1876 UNDER THE DIRECTION OF WILLIAM HOOD, SOUTHERN PACIFIC RAILROAD ENGINEER. IN GAINING ELEVATION AROUND CENTRAL HILL OF LOOP A 4,000-FOOT TRAIN WILL CROSS 77 FEET ABOVE ITS REAR CARS IN THE TUNNEL BELOW. CALIFORNIA HISTORICAL LANDMARK.

TELEGRAPH HILL, *SAN FRANCISCO, SAN FRANCISCO COUNTY.* A SIGNAL STATION WAS ERECTED ON TELEGRAPH HILL IN 1849 FROM WHICH TO OBSERVE THE INCOMING VESSELS. A TALL POLE ON WHICH WERE MOVABLE ARMS WAS USED TO SIGNAL TO THE PEOPLE IN THE TOWN BELOW WHETHER SAILING VESSELS OR THE SIDEWHEEL VESSELS OF THE PACIFIC MAIL WERE PASSING THROUGH THE GOLDEN GATE. IN SEPTEMBER 1853, THE FIRST TELEGRAPH IN CALIFORNIA WAS STATIONED HERE, EXTENDING EIGHT MILES TO POINT LOBOS. THIS IS WHAT GAVE THE HILL ITS NAME. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: CITY.

TEMECULA QUARRIES, *RIVERSIDE COUNTY.* ONCE WORKED BY THE UNION LEADER JOHN L. LEWIS THE TEMECULA QUARRIES PRODUCED GRANITE SLABS AND BLOCKS FROM THE 1880'S UNTIL CEMENT BECAME COMPETITIVE AROUND 1915. TEMECULA GRANITE IS FOUND IN THE CURB STONES IN SAN FRANCISCO AND THE STEPS OF THE COUNTY COURTHOUSE IN RIVERSIDE. POINT OF HISTORICAL INTEREST.

TEMELEC HALL (SEE MILITARY)

TEMESCAL ROAD (SEE ABORIGINAL)

TEMESCAL TIN MINES, *TEMESCAL, RIVERSIDE COUNTY.* THIS MILL FOUNDATION AND NEARBY TUNNELS ARE RELICS OF PERSISTENT GREAT EXPECTATIONS FROM TIN DEPOSITS DISCOVERED HERE IN THE 1850'S. MINING EFFORTS WERE UNDERTAKEN ON A LARGE SCALE IN 1890-92 BY AN ENGLISH FIRM AND, AGAIN, DURING WORLD WAR II BY THE U. S. GOVERNMENT. BOTH FOUND THE ORE UNPROFITABLE. POINT OF HISTORICAL INTEREST.

TERMINAL OF CALIFORNIA'S FIRST PASSENGER RAILROAD, *FOLSOM, SACRAMENTO COUNTY.* COMPLETION OF THE SACRAMENTO VALLEY RAILROAD FROM SACRAMENTO TO FOLSOM WAS CELEBRATED HERE FEBRUARY 22, 1856, BY ENTHUSIASTIC RESIDENTS OF BOTH CITIES. THE NEW LINE, 22 MILES IN LENGTH, WAS COMMENCED FEBRUARY 12, 1855, AND WAS BUILT BY THEODORE DEHONE JUDAH, NOTED PIONEER ENGINEER. CALIFORNIA HISTORICAL LANDMARK. OWNERSHIP: PRIVATE.

TESLA SITE, *ALAMEDA COUNTY.* TESLA WAS A COAL MINING TOWN WHICH EXISTED FROM ABOUT 1896 TO 1906. AT ITS HEIGHT, ITS POPULATION NUMBERED TWELVE HUNDRED. NO BUILDINGS REMAIN.

TEXAS SPRINGS, *SHASTA COUNTY.* A MINING TOWN OF THE 1850'S UNTIL OUTPUT DECLINED AND RESIDENTS MOVED AWAY. POINT OF HISTORICAL INTEREST.

THOMAS-GARNER RANCH (SEE EXPLORATION/SETTLEMENT)

THORNBERRY MUSEUM (SEE EXPLORATION/SETTLEMENT)

ST. CATHERINE'S ACADEMY SITE. BENICIA. *THEME: SOCIAL/EDUCATION.*

ST. PAUL'S EPISCOPAL CHURCH. EAST. J ST AT 1ST ST., *THEME: RELIGION.*

STATE CAPITOL SITE AT VALLEJO. 219 YORK STREET, *THEME: GOVERNMENT.*

SUMMERS HOUSE. DIXON. *THEME: ECONOMIC/INDUSTRIAL.*

TOLANDS LANDING. ON THE SACRAMENTO RIVER, *THEME: SOCIAL/EDUCATION.*

UNIVERSITY OF CALIFORNIA EXPERIMENTAL FARM, WOLFSKILL GRANT. PUTAH CREEK ROAD, WINTERS. *THEME: SOCIAL/EDUCATION.*

***VALLEJO OLD CITY HISTORIC DISTRICT.** BOUNDED BY SONOMA AND MONTEREY, CAROLINA AND YORK, VALLEJO. *THEME: ARCHITECTURE.*

VON PFISTER HOUSE. 280 WEST J STREET, BENICIA. *THEME: ARCHITECTURE.*

WALSH,(CAPTAIN JOHN) HOUSE. 235 EAST L STREET, BENICIA. *THEME: ARCHITECTURE.*

WATERMAN,(CAPT. ROBERT) HOME. FAIRFIELD. *THEME: EXPLORATION/SETTLEMENT*

SONOMA COUNTY - 33 SITES (ALSO 400 ARCHAEOLOGICAL SITES)**

ALTRURIA COLONY. 6 MILES WEST OF SANTA ROSA ON REDWOOD HIGHWAY, *THEME: EXPLORATION/SETTLEMENT.* p. 123

ARCATA AND MAD RIVER RAILROAD COMPANY. 18 WEST SPAIN STREET, SONOMA. *THEME: ARTS/LEISURE.*

BENNETT VALLEY GRANGE HALL. BENNETT VALLEY NEAR SANTA ROSA, *THEME: SOCIAL/EDUCATION.*

***BODEGA BAY.** *THEME: ABORIGINAL.* p. 5

BODEGA BAY AND HARBOR. DORAN PARK, BODEGA BAY. *THEME: EXPLORATION/SETTLEMENT.*

***BURBANK,(LUTHER) HOUSE AND GARDEN.** 200 SANTA ROSA AVE., SANTA ROSA. *THEME: SOCIAL/EDUCATION.*

CHAMPAGNE CELLARS OF COLONEL AGOSTON HARASZTHY AND THE BUENA VISTA VINICULTURAL SOCIETY. 2 MILES N.E. OF SONOMA. *THEME: ECONOMIC/INDUSTRIAL.*

COOPER'S SAWMILL. MIRABEL PARK. *THEME: ECONOMIC/INDUSTRIAL.*

COTATI DOWNTOWN PLAZA. COTATI. *THEME: GOVERNMENT.*

DUCK RANCH ADOBE. 3 MILES NORTHEAST OF PETALUMA ON CORONA ROAD, *THEME: EXPLORATION/SETTLEMENT.*

***DUNCAN'S LANDING SITE (4-SON-58).** *THEME: ABORIGINAL.*

FITCH HOUSE. 487 WEST FIRST STREET, SONOMA. *THEME: EXPLORATION/SETTLEMENT.*

***FORT ROSS.** *THEME: EXPLORATION/SETTLEMENT.*

***FORT ROSS COMMANDER'S HOUSE.** FORT ROSS SHP, FORT ROSS. *THEME: EXPLORATION/SETTLEMENT.*

FOUNTAIN GROVE BARN. MENDOCINO AVENUE AT U.S. 101, SANTA ROSA. *THEME: SOCIAL/EDUCATION.*

HOOD HOUSE. 7501 SONOMA HWY., SANTA ROSA. *THEME: ECONOMIC/INDUSTRIAL.*

ITALIAN SWISS COLONY. ASTI. *THEME: ECONOMIC/INDUSTRIAL.*

***LONDON (JACK) RANCH.** 4 MILES W. OF GLENN ELLEN, *THEME: ARTS/LEISURE.*

***MCDONALD MANSION.** 1015 MCDONALD AVE., SANTA ROSA. *THEME: ARCHITECTURE.*

PENA ADOBE. NEAR HEALDSBURG. *THEME: EXPLORATION/SETTLEMENT.* p. 150

***PETALUMA ADOBE.** 3325 ADOBE RD., PETALUMA. *THEME: ECONOMIC/INDUSTRIAL.*

***RANCH SITE (4-SON-292).** *THEME: ABORIGINAL.* BODEGA HEAD p. 15

***SALT POINT STATE PARK.** *THEME: ABORIGINAL.* p. 10

SAN FRANCISCO SOLANO MISSION. SONOMA STATE HISTORIC PARK, *THEME: EXPLORATION/SETTLEMENT.*

SEBASTIANI,(SAMUEL) VINEYARD AND WINERY (SAN FRANCISCO SOLANO MISSION VINEYARD). SPAIN STREET, SONOMA. *THEME: ECONOMIC/INDUSTRIAL.*

***SONOMA DEPOT.** 284 FIRST STREET WEST, SONOMA. *THEME: ECONOMIC/INDUSTRIAL.*

***SONOMA PLAZA HISTORIC DISTRICT.** SONOMA. *THEME: ARCHITECTURE.*

ST. TERESA'S CHURCH. BODEGA. *THEME: RELIGION.*

TEMELEC HALL. 3 MILES S.E. OF SONOMA. *THEME: MILITARY.*

UNION HOTEL AND UNION HALL. NAPA AND 1ST ST. WEST, SONOMA. *THEME: ARCHITECTURE.*

***VALLEJO HOME.** SPAIN AT THIRD ST., SONOMA. *THEME: GOVERNMENT.*

VALLEJO-CARRILLO ADOBE. MONTGOMERY DRIVE AND FRANQUETTE AVE., SANTA ROSA. *THEME: ARCHITECTURE.*

WATSON SCHOOL. BODEGA HIGHWAY, 2 MILES EAST OF THE TOWN OF BODEGA, *THEME: SOCIAL/EDUCATION.*

STANISLAUS COUNTY - 12 SITES (ALSO 0 ARCHAEOLOGICAL SITES)**

ADAMSVILLE. ON THE TUOLUMNE RIVER ABOUT FOUR MILES SOUTHWEST OF MODESTO, *THEME: EXPLORATION/SETTLEMENT.*

EMPIRE CITY. PLAQUE 1 MILE SOUTH OF EMPIRE CITY, *THEME: EXPLORATION/SETTLEMENT.*

***GOLD DREDGE.** N.W. 1/4 OF SECT. 31, TOWNSHIP 3S.,RANGE 14E., LA GRANGE. *THEME: ECONOMIC/INDUSTRIAL.*

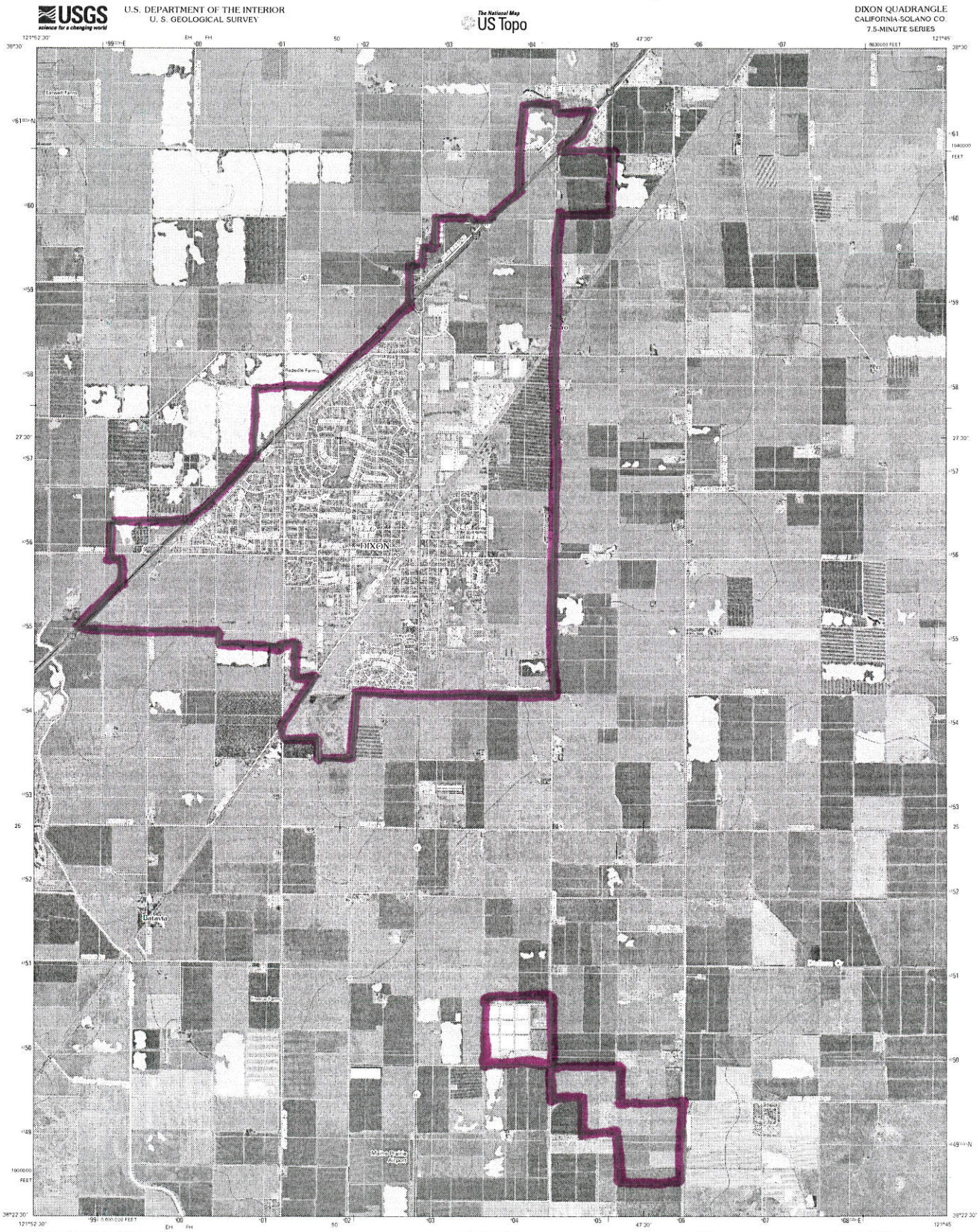
GOLD DREDGING CAMP. YOSEMITE BLVD. (HWY. 132)/LAKE ROAD, LA GRANGE. *THEME: ECONOMIC/INDUSTRIAL.*

GRAYSON CITY/GRAYSONVILLE. RIVER ROAD AND GRAYSON ROAD, GRAYSON. *THEME: ECONOMIC/INDUSTRIAL.*

HOTEL DEL PUERTO. PATTERSON PLAZA, PATTERSON. *THEME: ECONOMIC/INDUSTRIAL.*

***KNIGHTS FERRY.** N.E. STANISLAUS CO. ON STANISLAUS RIVER 2 MILES DOWNSTREAM FROM STANISLAUS-CALAVERAS LINE, *THEME: ECONOMIC/INDUSTRIAL.*

— = Dixon Planning Area



DYETT & BHATIA
Urban and Regional Planners

March 16, 2015

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691

Re: Tribal Consultation Request and Sacred Lands File Search

To Whom it May Concern:

Dyett & Bhatia has been contracted by the City of Dixon to assist with the preparation of a new General Plan. The General Plan will serve as the vision and primary policy document guiding development within the planning area through 2035. The planning area includes all land within the City of Dixon and its Sphere of Influence.

We write to make a Tribal Consultation Request to facilitate involvement of interested Native American tribes in the planning process. We would also like to request a sacred lands file search for the planning area. The planning area includes all land within the City of Dixon and its Sphere of Influence, as shown on the attached map. The map indicates the project boundaries on the USGS Quadrangle that contains the planning area. If you need more information, please call or email. Thank you.

Sincerely,

Melissa A. Jones

Melissa Jones
Dyett & Bhatia Urban and Regional Planners
755 Sansome Street, Suite 400
San Francisco, CA 94111
P: 415-956-4300 x 17
F: 415-956-7315
E: melissa@dyettandbhatia.com

TRIBAL CONSULTATION LIST REQUEST

NATIVE AMERICAN HERITAGE COMMISSION
1556 HARBOR BLVD.
WEST SACRAMENTO, CA 95691
916-373-3710
916-373-5471 - Fax
E-mail -- nahc@pacbell.net

Project Title: City of Dixon General Plan Update

Local Government: Dixon, CA Contact Person: Melissa Jones, Dyett and Bhatia, on behalf of City of Dixon Phone: 415-956-4300, ext. 17

Street Address: 755 Sansome Street, #400 Fax: 415-956-7315

City: San Francisco, CA Zip: 94111

Project Location:

County: Solano City/Community: Dixon

Local Action Type:

X General Plan ___ General Plan Element ___ Specific Plan

___ General Plan Amendment ____ Specific Plan Amendment

___ Pre-Planning Outreach Activity

Project Description:

Dyett and Bhatia has been retained by the City of Dixon to assist with the preparation of a General Plan Update, to serve as the comprehensive vision and primary policy document guiding growth within the planning area for the next 15 to 20 years. This will be the first full General Plan Update for the City of Dixon since 1993. The General Plan update will be accompanied by an Environmental Impact Report, which will analyze environmental impacts of plan policies based on current thresholds of significance. The planning area includes all land within the City of Dixon and its Sphere of Influence. The updated General Plan will include the seven Elements required by State Law.

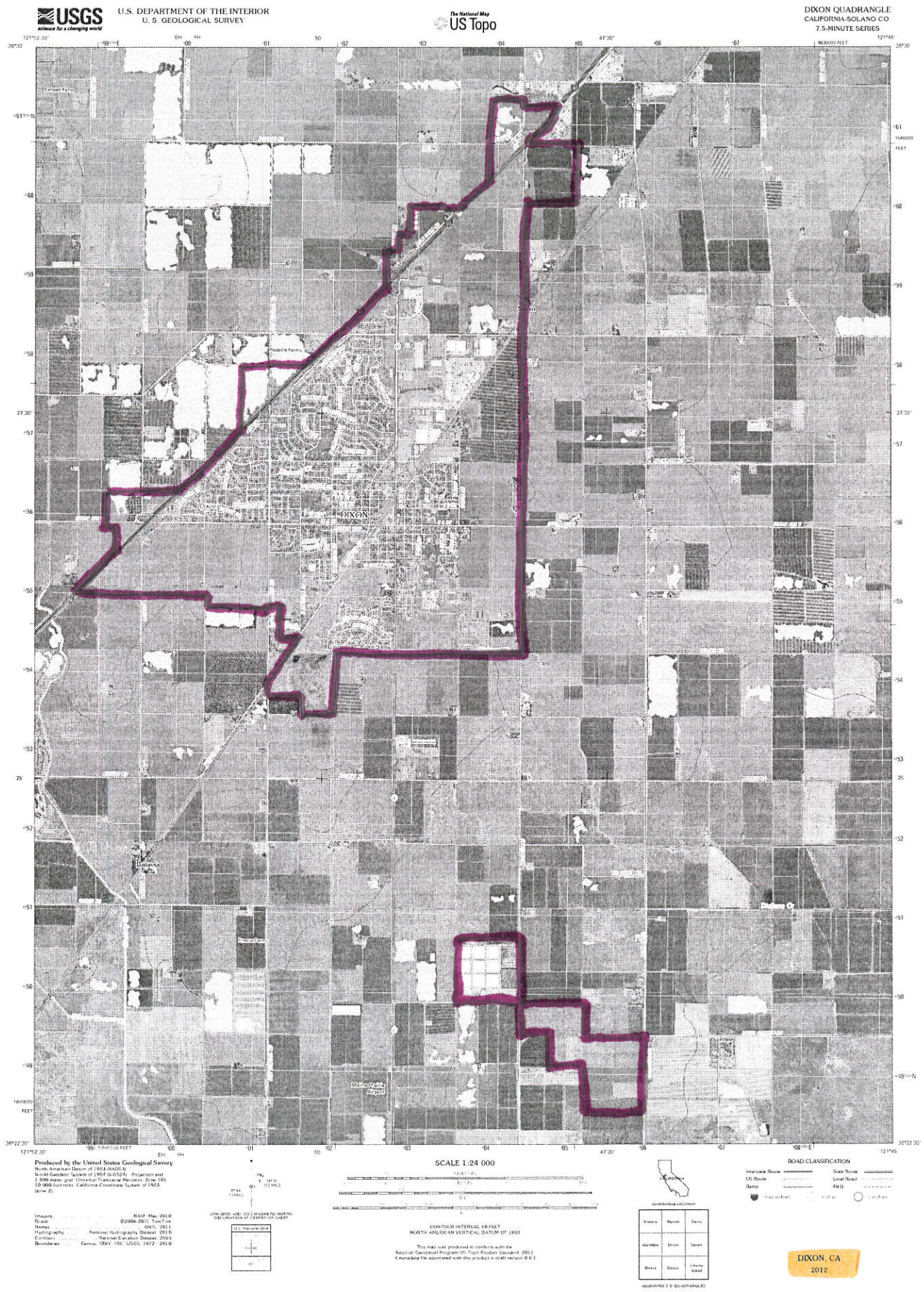
NAHC Use Only

Date Received: _____

Date Completed _____

Native American Tribal Consultation lists are only applicable for consulting with California Native American tribes per Government Code Section 65352.3.

— = Dixon Planning Area



STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 955691
(916) 373-3710
Fax (916) 373-5471

March 26, 2015

Melissa Jones
CITY OF DIXON
755 Sansome Street, #400
San Francisco, CA 94111

FAX: 415-956-7315

Number of Pages: 2

RE: SB 18 Consultation: NRCS project #15FY57-0001, Yolo County

To Ms. Jones,

Government Code §65352.3 requires local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of protecting, and/or mitigating impacts to cultural places. Attached is a consultation list of tribes with traditional lands or cultural places located within the requested General Plan boundaries.

As a part of consultation, the NAHC recommends that local governments conduct record searches through the NAHC and California Historic Resources Information System (CHRIS) to determine if any cultural places are located within the area(s) affected by the proposed action. NAHC Sacred Lands File requests must be made in writing. All requests must include: county, USGS quad map name, township, range and section. Local governments should be aware, however, that records maintained by the NAHC and CHRIS are not exhaustive, and a negative response to these searches does not preclude the existence of a cultural place. A tribe may be the only source of information regarding the existence of a cultural place.

If you receive notification of change of addresses and phone numbers from Tribes, please notify me. With your assistance we are able to assure that our consultation list contains current information.

If you have any questions, please contact me at (916) 373-3713.

Sincerely,

Lyte Winston for
Debbie Pilas-Treadway
Enviromental Specialist III

Native American Contacts
Yolo County
March 27, 2015

Kesner Flores
P.O. Box 1047 Wintun / Patwin
Wheatland , CA 95692
calnagpra@hotmail.com
(925) 586-8919

Cortina Band of Indians
Charlie Wright, Chairperson
P.O. Box 1630 Wintun / Patwin
Williams , CA 95987
(530) 473-3274 Office

(530) 473-3301 Fax

Yocha Dehe Wintun Nation
Leland Kinter, Chairperson
P.O. Box 18 Wintun (Patwin)
Brooks , CA 95606
lkinter@yochadehe-nsn.gov
(530) 796-3400

(530) 796-2143 Fax

Yocha Dehe Wintun Nation
Native Cultural Renewal Committee
P.O. Box 18 Wintun (Patwin)
Brooks , CA 95606
(530) 979-6346
(530) 796-3400 - office
(530) 796-2143 Fax

Yocha Dehe Wintun Nation
Cynthia Clarke, Native Cultural Renewal Committee
P.O. Box 18 Wintun (Patwin)
Brooks , CA 95606
(530) 796-3400 Office

(530) 796-2143 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed NRCS project# 15FY57-0001, Yolo County

April 6, 2015

Cortina Band of Indians
Charlie Wright, Chairperson
P.O. Box 1630
Williams, CA 95987

Dear Mr. Wright:

The City of Dixon has initiated the process of updating its General Plan. In order to provide Native American tribes with the opportunity to participate in local land use decisions at an early stage, in accordance with Senate Bill 18, we are seeking your comments on the proposed General Plan update.

The planning area for the Dixon General Plan update is located in northeastern Solano County. It comprises roughly 7.1 square miles and includes all land within the City of Dixon city limits and Sphere of Influence. The specific boundaries of the planning area are outlined on the USGS 7.5 minute quadrangle attached with this correspondence.

The Dixon General Plan Update will serve as the comprehensive vision and primary policy document that will guide growth and enhancement within the Planning Area through 2035. The General Plan sets a framework for decisions about the form of development, the location of new urban growth, and how to provide public services and facilities. State law requires that a general plan contain at least the seven following elements: Land Use, Transportation, Housing, Conservation, Open Space, Noise, and Safety.

At our request, the Native American Heritage Commission (NAHC) has provided contact information for tribal representatives who may have knowledge about cultural resources in the area. In addition, we conducted a search of the Sacred Lands File for sites within the Planning Area. The Commission has notified us that Native American Cultural Resources sites were not found in Planning Area.

The Dixon Planning Area is shown on the enclosed map. If you have any concerns or information regarding archaeological resources or traditional tribal cultural places in the Planning Area, or if you would like to be involved in the planning process, please let us know. We would appreciate receiving your comments by June 3, 2015. Any responses received by that date will be included in the General Plan Draft EIR.

Thank you,

Dave Dowswell
Community Development Consultant
City of Dixon
600 East A St.
Dixon, CA 95620
Ph: (707) 678-7000

April 6, 2015

Kesner Flores
P.O. Box 1047
Wheatland, CA 95692

Dear Mr. Flores:

The City of Dixon has initiated the process of updating its General Plan. In order to provide Native American tribes with the opportunity to participate in local land use decisions at an early stage, in accordance with Senate Bill 18, we are seeking your comments on the proposed General Plan update.

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Thank you,

Dave Dowswell
Community Development Consultant
City of Dixon
600 East A St.
Dixon, CA 95620
Ph: (707) 678-7000

April 6, 2015

Yocha Dehe Wintun Nation
Native Cultural Renewal Committee
P.O. Box 18
Brooks, CA 95606

Dear Native Cultural Renewal Committee:

The City of Dixon has initiated the process of updating its General Plan. In order to provide Native American tribes with the opportunity to participate in local land use decisions at an early stage, in accordance with Senate Bill 18, we are seeking your comments on the proposed General Plan update.

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Thank you,

Dave Dowswell
Community Development Consultant
City of Dixon
600 East A St.
Dixon, CA 95620
Ph: (707) 678-7000

April 6, 2015

Yocha Dehe Wintun Nation
Cynthia Clarke, Native Cultural Renewal Committee
P.O. Box 18
Brooks, CA 95606

Dear Ms. Clarke:

The City of Dixon has initiated the process of updating its General Plan. In order to provide Native American tribes with the opportunity to participate in local land use decisions at an early stage, in accordance with Senate Bill 18, we are seeking your comments on the proposed General Plan update.

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Thank you,

Dave Dowswell
Community Development Consultant
City of Dixon
600 East A St.
Dixon, CA 95620
Ph: (707) 678-7000

April 6, 2015

Yocha Dehe Wintun Nation
Leland Kinter
P.O. Box 18
Brooks, CA 95606

Dear Mr. Kinter:

The City of Dixon has initiated the process of updating its General Plan. In order to provide Native American tribes with the opportunity to participate in local land use decisions at an early stage, in accordance with Senate Bill 18, we are seeking your comments on the proposed General Plan update.

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Thank you,

Dave Dowswell
Community Development Consultant
City of Dixon
600 East A St.
Dixon, CA 95620
Ph: (707) 678-7000

YOCHA DEHE
CULTURAL RESOURCES

RECEIVED
JUL 16 2015
CITY OF DIXON

June 29th, 2015

Dave Dowswell
City of Dixon
600 East A Street
Dixon, CA 95620

RE: Dixon General Plan Update

Dear Mr. Dowswell:

Thank you for your comment request letter dated April 6, 2015 regarding the proposed Dixon General Plan Update, Dixon, Solano County, CA. We appreciate your effort to contact us.

The Cultural Resources Department has reviewed the project and concluded that it is within the aboriginal territories of the Yocha Dehe Wintun Nation. Therefore, we have cultural interest and authority in the proposed project area.

Based on the information provided, Yocha Dehe Wintun Nation is aware of known cultural resources within the area of the General Plan Update. We would like you to consider the potential impacts of cultural resources in the area during your planning phases.

As we are sure you are aware, Assemble Bill 52 will add language to the *California Environmental Quality Act* (CEQA), specifically adding Public Resource Code 21074, which defines a "Tribal Cultural Resource" as any of the following, "Sites, features, places, cultural landscapes, sacred sites and objects with cultural value to a California Native American tribe." We recommend adding language that defines what the City means by Native American Cultural Resource, keeping in mind that it would be in compliance with the new additions to CEQA.

Thank you for providing us with this notice and the opportunity to comment.

Sincerely,

James Kinter
Tribal Secretary
Tribal Historic Preservation Officer

Yocha Dehe Wintun Nation
PO Box 18 Brooks, California 95606 p) 530.796.3400 f) 530.796.2143 www.yochadehe.org

Ione Band of Miwok Indians
A federally recognized sovereign tribe

RECEIVED
MAR - 7 2016
CITY OF DIXON

2 March 2016

Dixon
Community Development Dept.
David Dowswell, Director
600, East A st.
Dixon Calif. 95620

RE: Formal Request for Tribal Consultation Pursuant to the California Environmental Quality Act (CEQA), Public Resources Code section 21080.3.1, subds. (b), (d) and (e) for City of Dixon

Dear , Dowswell

This letter constitutes a formal request for tribal consultation for the first phase of planning under the provisions of the California Environmental Quality Act (CEQA) (Public Resources Code section 21080.3.1 subdivisions (b), (d) and (e)) for the mitigation of potential project impacts to tribal cultural and environmental resources for the above referenced project. The Ione Band of Miwok Indians requests formal notice and information for all projects within your agency's jurisdiction.

The Ione Band of Miwok Indians requests consultation on the following topics listed below, which shall be included in consultation if requested (Public Resources Code section 21080.3.2, subd. (a)).

- Alternatives to the project
- Recommended mitigation measures
- Significant effects of the project

The Ione Band of Miwok Indians also requests consultation on the following discretionary topics listed below (Public Resources Code section 21080.3.2, subd. (a)):

- Type of environmental review necessary
- Significance of tribal cultural resources, including any regulations, policies or standards used by your agency to determine significance of tribal cultural resources
- **Significance of the project's impacts on tribal cultural resources**
- Project alternatives and/or appropriate measures for preservation or mitigation that we may recommend, including, but not limited to:

(1) Avoidance and preservation of the resources in place, pursuant to Public Resources Code section 21084.3, including, but not limited to, planning and construction, geotechnical tests, utility location, and pedestrian surveys to avoid harming the resources (including water, endangered tribal plant resources, and endangered animal resources), and to protect the cultural and natural context, or planning greenspace, parks or other open space, to incorporate the resources with culturally appropriate protection and management criteria;

PO Box 699 9252 Bush Street • Plymouth • CA 95669 • ph 209-245-5800 • fax 209-245-3112 www.ionemiwok.org

(2) Treating the resources with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resources, including but not limited to the following:

- Protecting the cultural character and integrity of the resource
- Protecting the traditional use of the resource
- Protecting the confidentiality of the resource

(3) Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places

(4) Protecting the resource

Additionally, the Ione Band of Miwok Indians would like to receive any cultural resources assessments or other assessments that have been completed on all or part of the project's potential "area of project effect" (APE), including, but not limited to:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

   - A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE
   - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response
   - Notification of whether the probability is low, moderate, or high that cultural resources are located in the APE
   - Notification if a records search indicates a low, moderate or high probability that unrecorded cultural resources are located in the potential APE
   - Notification if a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present

2. The results of any archaeological inventory survey that was conducted, including:

   - Any report that may contain site forms, site significance, and suggested mitigation measures
   - All information regarding site locations, Native American human remains, and associated funerary objects; such information should be placed in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code Section 6254.10.

3. The results of any Sacred Lands File (SFL) check conducted through the Native American Heritage Commission. The request form can be found at **http://www.dot.ca.gov/hq/env/cultural/#templates** under Compliance Document Templates. Click on the link *Sacred Lands Inventory Form* to download the pdf. USGS 7.5- minute quadrangle name, township, range, and section are required for the search.
4. Any ethnographic studies conducted for any area including all or part of the potential APE

5. Any geotechnical reports regarding all or part of the potential APE

We would like to remind your agency that CEQA Guidelines section 15126.4, subdivision (b)(3) states that preservation-in-place is the preferred manner of mitigating impacts to archaeological sites. Section 15126.4, subd. (b)(3) of the CEQA Guidelines has been interpreted by the California Court of Appeal to mean that "feasible preservation in place must be adopted to mitigate impacts to historical resources of an archaeological nature unless the lead agency determines that another form of mitigation is available and provides superior mitigation of impacts." *Madera Oversight Coalition v. County of Madera* (2011) 199 Cal.App.4th 48, disapproved on other grounds, *Neighbors for Smart Rail v. Exposition Metro Line Construction Authority* (2013) 57 Cal.4th 439.

The Ione Band of Miwok Indians expects to begin consultation within 30 days of your receipt of this letter. Please contact the Cultural Committee of the Ione Band of Miwok Indians.

Thank you.

Sincerely,

Randy Yonemura

Randy Yonemura
Cultural Committee Chair
P.O. Box 699
9252 Bush St., Suite 2
Plymouth, CA 95669
Tel. (209) 245-5800
Email: Randy_yonemura@yahoo.com

IONE BAND OF MIWOK INDIANS
INDIGENOUS TERRITORY

NATIVE AMERICAN HERITAGE COMMISSION
Environmental and Cultural Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
(916) 373-3710

December 26, 2018

Dina Tasini
City of Dixon

Sent by Email: dtasini@ci.dixon.ca.us
Number of Pages: 2

RE: Dixon General Plan Update, Dixon, Solano County

Dear Ms. Tasini:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed for the area of potential project effect (APE) referenced above with negative results. **Please note that the absence of specific site information in the *Sacred Lands File* does not indicate the absence of Native American cultural resources in any APE.**

I suggest you contact all of those listed, if they cannot supply information, they might recommend others with specific knowledge. The list should provide a starting place to locate areas of potential adverse impact within the APE. **By contacting all those on the list, your organization will be better able to respond to claims of failure to consult**. If a response has not been received within two weeks of notification, the NAHC requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact via email: Sharaya.Souza@nahc.ca.gov.

Sincerely,

Sharaya Souza
Staff Services Analyst
(916) 573-0168

Native American Heritage Commission
Native American Contacts List
12/24/2018

Cortina Rancheria - Kletsel Dehe Band of Wintun Indians
Charlie Wright, Chairperson
P.O. Box 1630 Wintun / Patwin
Williams ,CA 95987
(530) 473-3274 Office
(530) 473-3301 Fax

United Auburn Indian Community of the Auburn Rancheria
Gene Whitehouse, Chairperson
10720 Indian Hill Road Maidu
Auburn ,CA 95603 Miwok
(530) 883-2390 Office
(530) 883-2380 Fax

Yocha Dehe Wintun Nation
Anthony Roberts, Chairperson
P.O. Box 18 Wintun (Patwin)
Brooks ,CA 95606
aroberts@yochadehe-nsn.gov
(530) 796-3400
(530) 796-2143 Fax

This list is current as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code,Section 5097.94 of the Public Resources Code, or Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native American Tribes for the proposed:
Dixon General Plan Update, Dixon, Solano County.

November 28, 2018

Attn: Leland and James Kinter
Yocha Wintun Dehe Nation
P.O. Box 18
Brooks, CA 95606

RE: Dixon General Plan Update / Tribal Cultural Resources Pursuant to AB52 -- (Notification of Consultation Opportunity)

Dear Sirs,

The City of Dixon is in the process of updating its General Plan, which is subject to the California Environmental Quality Act (CEQA) and Assembly Bill 52. A notice of preparation of an environmental impact report (EIR) was publicly released on November 13, 2018 and an EIR will be prepared for the project. The City recognizes the importance of preserving tribal cultural resources and respectfully invites you to consult on and participate in the review process for this project, pursuant to Public Resources Code §21080.3.1(d).

Below please find a description of the proposed project, a map showing the project location, and the contact details for our project point of contact.

Project Description:
The project involves updates to the policy framework and land use designations in the General Plan intended to guide development and conservation through 2040 and to comply with new State regulations that have come into force since the plan was last updated, including new requirements for addressing geologic hazards, flooding, and wildland and urban fires, and environmental justice.

Project Location:
The City of Dixon is located in northeastern Solano County about 65 miles east of San Francisco and 23 miles southwest of Sacramento. Regional access is provided by Interstate 80 (I-80) and State Route 113 (SR 113). Covering an area of approximately 7.25 square miles, the community is ringed by agricultural land and open space. The planning area for the General Plan Update includes the City limit and the Sphere of Influence, as shown on Figure 1 (attached).

Pursuant to PRC § 21080.3.1 (b), the Yocha Wintun Dehe Nation has 30 days from the receipt of this letter to request consultation, in writing, with the City of Dixon. If you provide the City of Dixon with confidential information subject to Public Resources Code §21082.3(c), Government Code §6254.10, or Government Code Section §6254(r), we request that it be explicitly labeled and packaged to prevent inadvertent public disclosure.

If you have any questions, please contact me at 707-678-7000 x1114 or dtasini@ci.dixon.ca.us.

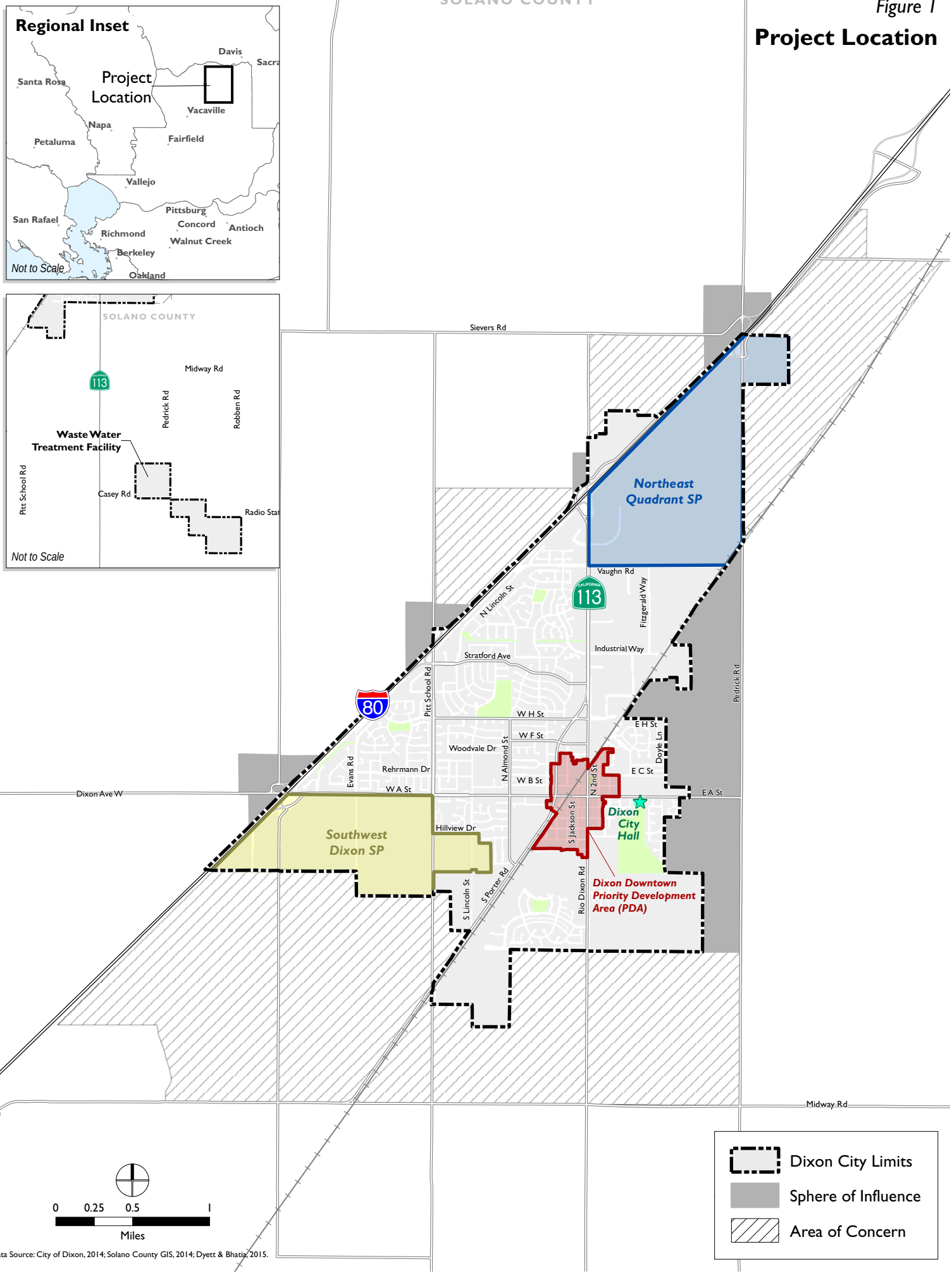
Dina Tasini, Director

Community Development Department
City of Dixon
600 East A Street, Dixon, CA 95620

ATTACHMENT: Project Location

Figure 1

Project Location



Data Source: City of Dixon, 2014; Solano County GIS, 2014; Dyett & Bhatia, 2015.

January 2, 2019

Gene Whitehouse, Chairperson
United Auburn Indian Community of the Auburn Rancheria
10720 Indian Hill Road
Auburn, CA 95603

Dear Mr. Whitehouse:

The City of Dixon is in the process of updating its General Plan. In order to provide Native American tribes with the opportunity to participate in local land use decisions, in accordance with Senate Bill 18, we are seeking your comments on the proposed General Plan update.

The planning area for the Dixon General Plan update is located in northeastern Solano County. It comprises roughly 7.1 square miles and includes all land within the City of Dixon city limits and Sphere of Influence. The specific boundaries of the planning area are outlined on the USGS 7.5 minute quadrangle attached with this correspondence.

The Dixon General Plan Update will serve as the comprehensive vision and primary policy document that will guide growth and enhancement within the Planning Area through 2040. The General Plan sets a framework for decisions about the form of development, the location of new urban growth, and how to provide public services and facilities. State law requires that a general plan contain at least the seven following elements: Land Use, Transportation, Housing, Conservation, Open Space, Noise, and Safety.

At our request, the Native American Heritage Commission (NAHC) has provided contact information for tribal representatives who may have knowledge about cultural resources in the area. In addition, we conducted a search of the Sacred Lands File for sites within the Planning Area. The Commission has notified us that Native American Cultural Resources sites were not found in Planning Area.

The Dixon Planning Area is shown on the enclosed map. If you have any concerns or information regarding archaeological resources or traditional tribal cultural places in the Planning Area, or if you would like to be involved in the planning process, please let us know. We would appreciate receiving your comments by April 3, 2019. Any responses received by that date will be included in the General Plan Draft EIR.

Thank you,

Dina Tasini, Director
Community Development Department
City of Dixon
600 East A Street, Dixon, CA 95620
Ph: 707-678-7000 x1114

ATTACHMENT: Dixon USGS Quad Map

January 2, 2019

Charlie Wright, Chairperson
Cortina Rancheria – Kletsel Dehe Band of Wintun Indians
P.O. Box 1630
Williams CA 95987

Dear Mr. Wright:

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Thank you,

Dina Tasini, Director
Community Development Department
City of Dixon
600 East A Street, Dixon, CA 95620
Ph: 707-678-7000 x1114

ATTACHMENT: Dixon USGS Quad Map

January 2, 2019

Anthony Roberts, Chairperson
Yocha Dehe Wintun Nation
P.O. Box 18
Brooks, CA 95606

Dear Mr. Roberts:

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Thank you,

Dina Tasini, Director
Community Development Department
City of Dixon
600 East A Street, Dixon, CA 95620
Ph: 707-678-7000 x1114

ATTACHMENT: Dixon USGS Quad Map

YOCHA DEHE
CULTURAL RESOURCES

January 23, 2019

City of Dixon - Community Development
Attn: Dina Tasini, Director
600 East A Street
Dixon, CA 95620

RE: Dixon General Plan

Dear Ms. Tasini:

Thank you for your project update dated, January 2, 2019, regarding cultural information on or near the proposed Dixon General Plan, Dixon, Solano County. We appreciate your effort to contact us and wish to respond.

The Cultural Resources Department has reviewed the project and concluded that it is within the aboriginal territories of the Yocha Dehe Wintun Nation. Therefore, we have a cultural interest and authority in the proposed project area and would like to continue consultation with the lead agency. At the time of consultation, please provide our Cultural Resources Department with a project timeline and detailed project information for the general plan.

Please contact the following individual to coordinate a date and time for the consultation meeting:

Kathleen Solorio, CRD Administrative Assistant
Yocha Dehe Wintun Nation
Office: (530) 796-2803
Email: ksolorio@yochadehe-nsn.gov

Please refer to identification number YD – 04152015-04 in any correspondence concerning this project.

Thank you for providing us the opportunity to comment.

Sincerely,

Leland Kinter
Tribal Historic Preservation Officer

Appendix E: Transportation Modeling Results

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Scenario	Area	VMT				VMT for GHG calculations			Land Use			VMT/SP for GHG	VMT/SP	Change
		I-I	I-X	X-I	Total	IX-XI	50% IX-XI	I-I + 50% (IX-XI)	Population	Emp	Service Pop			
Dixon 2018 - Base[1,2]	City	33,208	417,784	428,503	879,495	846,287	423,144	456,352	20,116	5,329	25,445	17.9	34.6	
	SOI	1,560	10,009	26	11,595	10,034	5,017	6,577	31	413	444	14.8	26.1	
	Total	34,768	427,793	428,529	891,090	856,322	428,161	462,929	20,147	5,742	25,889	17.9	34.4	
Dixon Future Year 2040 - No Build	City	46,467	482,644	500,520	1,029,631	983,163	491,582	538,049	26,150	6,478	32,628	16.5	31.6	
	SOI	3,205	15,230	30	18,464	15,259	7,630	10,835	31	413	444	24.4	41.6	
	Total	49,673	497,873	500,549	1,048,095	998,423	499,211	548,884	26,181	6,891	33,072	16.6	31.7	(0.08)
Dixon Future Year 2040 - Preferred Alternative	City	56,029	522,527	537,987	1,116,543	1,060,514	530,257	586,286	28,848	8,081	36,929	15.9	30.2	
	SOI	3,189	14,975	32	18,197	15,007	7,504	10,693	31	413	444	24.1	41.0	
	Total	59,218	537,503	538,019	1,134,739	1,075,522	537,761	596,979	28,879	8,494	37,373	16.0	30.4	(0.12)

Scenario	Area	VMT by zones				General Plan LU			VMT/SP
		I-I	I-X	X-I	Total	Population	Emp	Service Pop	
Total School VMT		**4,122**	**11,396**	**11,059**	**26,577**	28,879	8,494	37,373	0.7
Total HBW VMT		**7,541**	**139,691**	**135,340**	**282,571**	28,879	8,494	37,373	7.6
Reduced School VMT		**206.08**	**569.80**	**552.96**	**1,328.85**	28,879	8,494	37,373	0.0
Reduced Work VMT		**1,074.52**	**19,905.94**	**19,285.89**	**40,266.36**	28,879	8,494	37,373	1.1
Total Preferred Alternative VMT		**59,218**	**537,503**	**538,019**	**1,134,739**	28,879	8,494	37,373	30.4
Preferred Alt - Reduced VMT		**57,937**	**517,027**	**518,180**	**1,093,144**	28,879	8,494	37,373	29.2
Base 2018	**Total**	34,768	427,793	428,529	891,090	20,147	5,742	25,889	34.4

15.02% **<-- Reduction in VMT from baseline**

VMT Reduction Ranges

Reduction in School VM	5%	4%	5%
Reduction in Work VM	14%	4%	21%
		1%	6%

1) Mode share of school bus+transit observed from Alameda County SRTS Program

2) Implement mandatory trip reduction program with monitoring*

3) Implement commute trip reduction program - Voluntary

Notes

1) Bicycle had another 2-3% mode share (Alameda CTC)

2) Negligible effects for rural areas unless large employers present with suitable strategies (CAPCOA)

Appendix D: Noise Modeling Results

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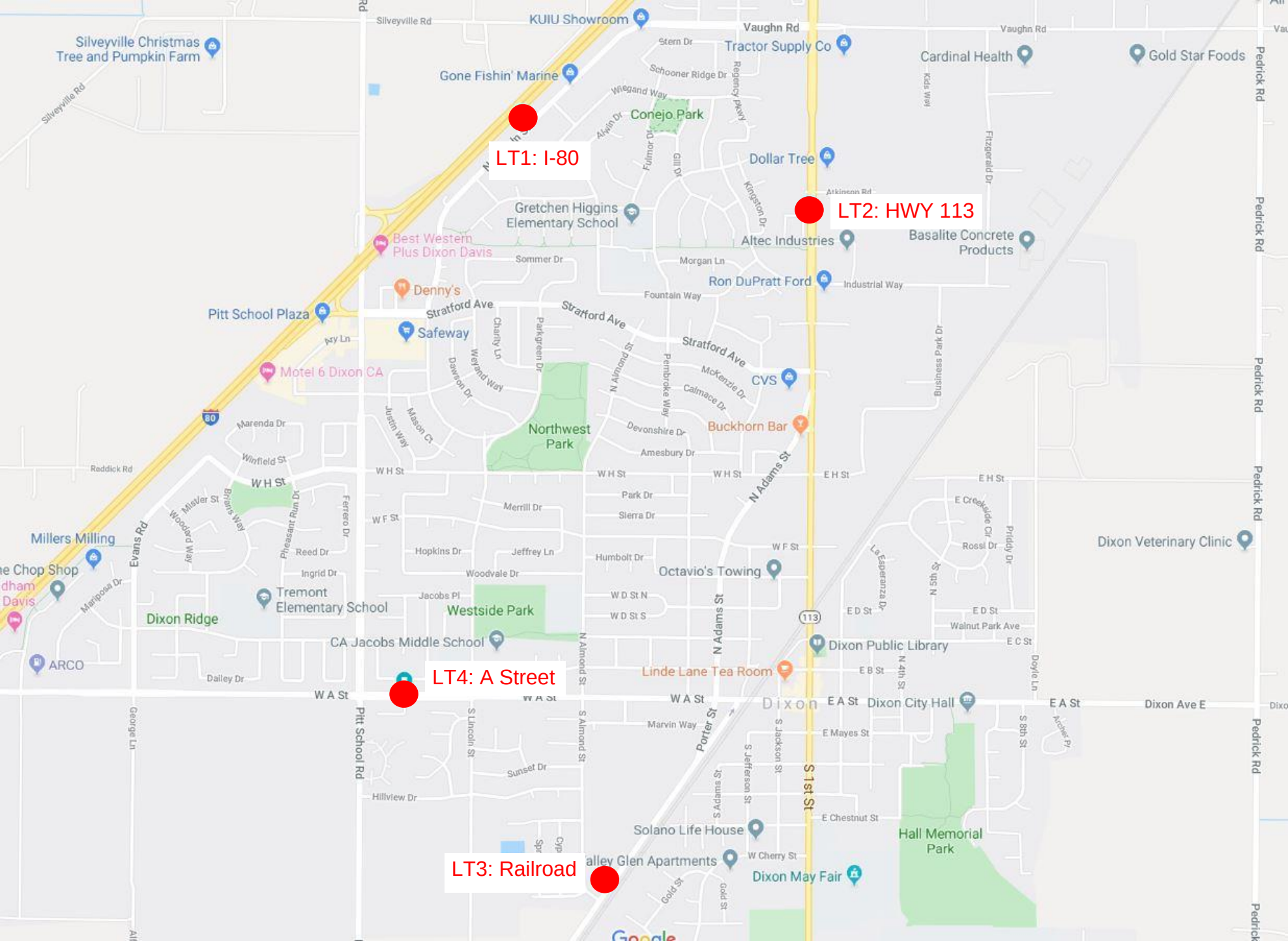
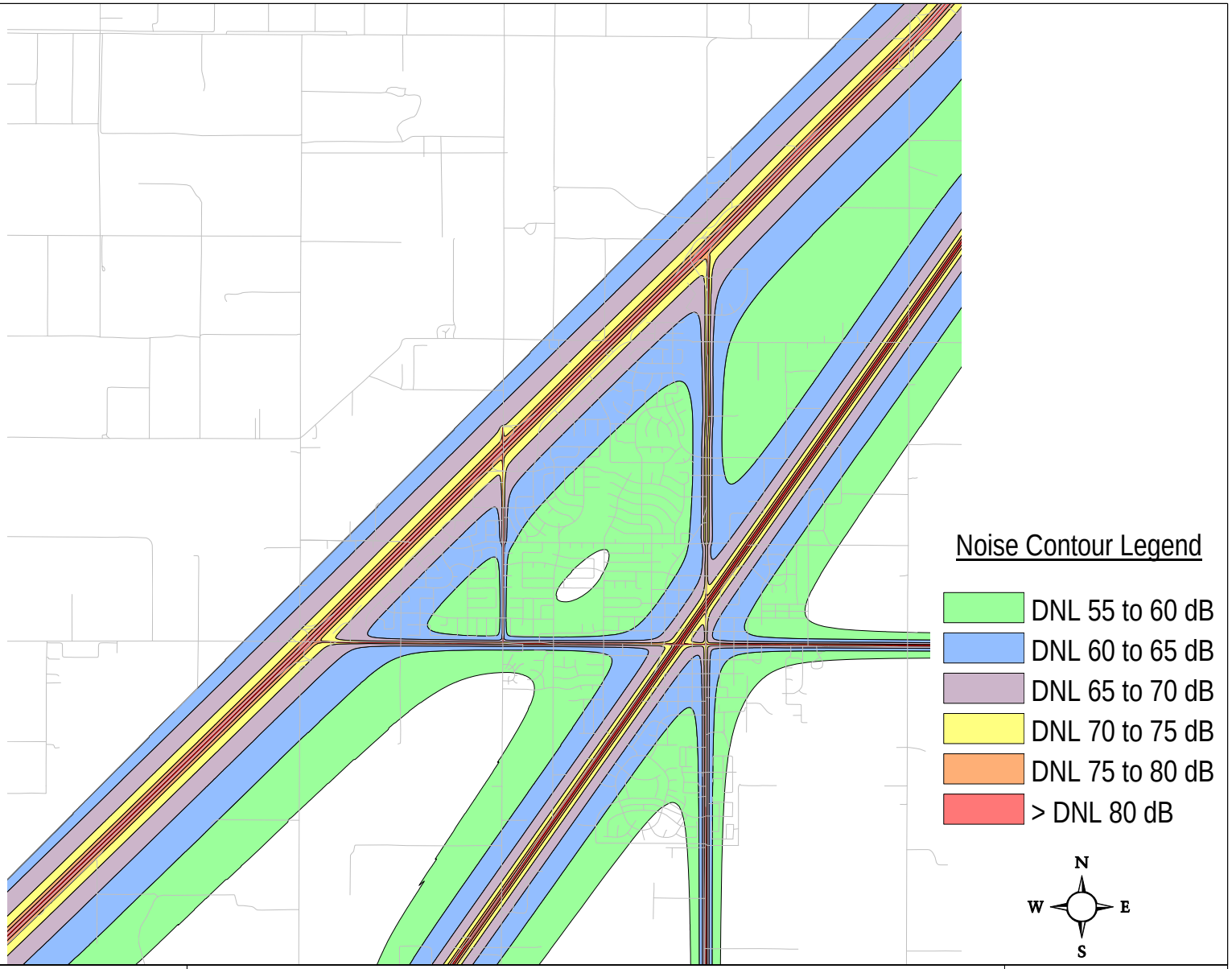
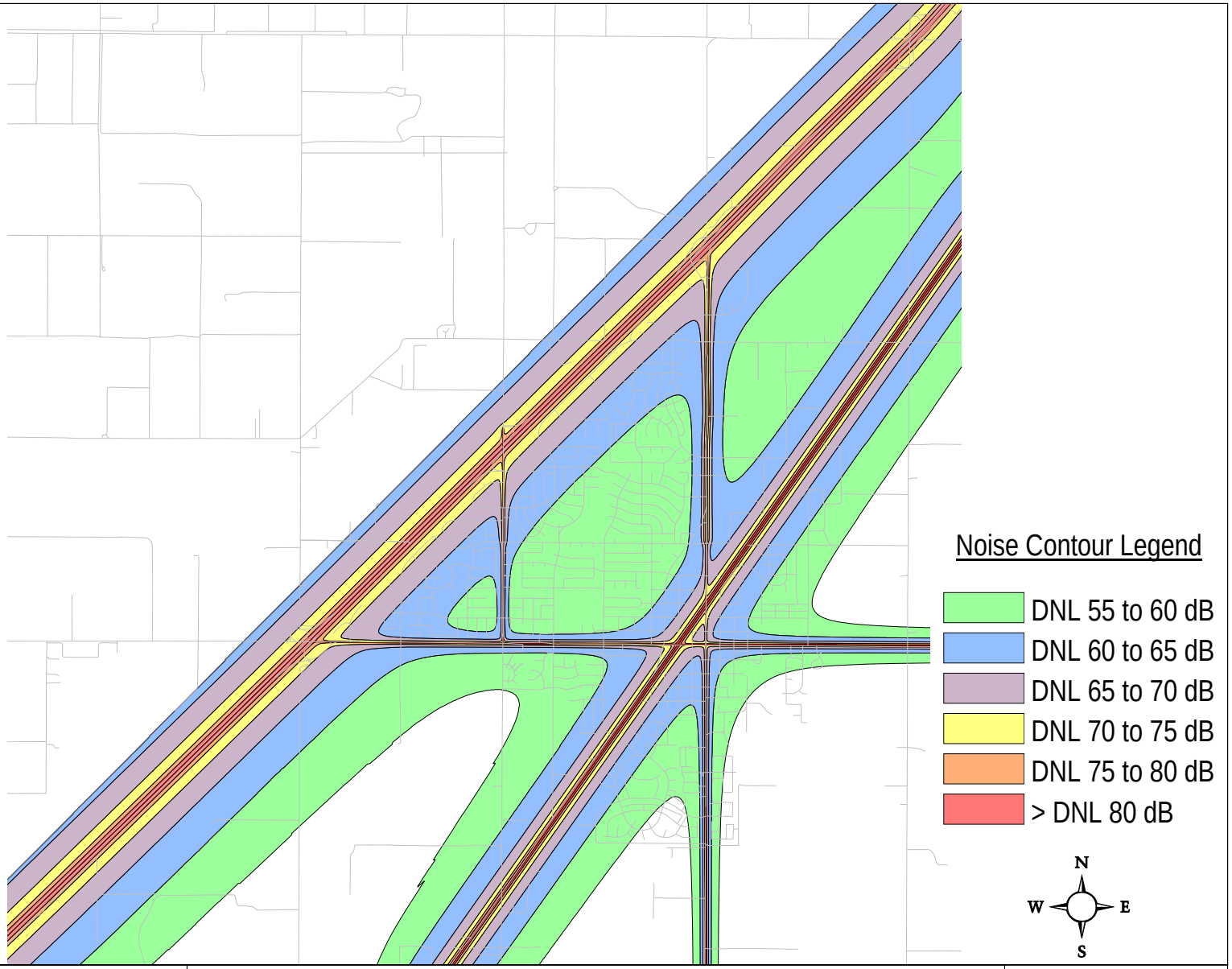

LT1: I-80
LT2: HWY 113
LT3: Railroad
LT4: A Street
KUIU Showroom
Silveyville Christmas Tree and Pumpkin Farm
Gone Fishin' Marine
Tractor Supply Co
Cardinal Health
Gold Star Foods
Conejo Park
Dollar Tree
Gretchen Higgins Elementary School
Best Western Plus Dixon Davis
Altec Industries
Basalite Concrete Products
Ron DuPratt Ford
Denny's
Pitt School Plaza
Safeway
Motel 6 Dixon CA
CVS
Buckhorn Bar
Northwest Park
Millers Milling
Dixon Veterinary Clinic
Octavio's Towing
Tremont Elementary School
Westside Park
Dixon Ridge
CA Jacobs Middle School
Dixon Public Library
ARCO
Linde Lane Tea Room
Dixon City Hall
Solano Life House
Hall Memorial Park
Dixon May Fair
Vaughn Rd
Stratford Ave
W H St
W A St
E A St
Dixon Ave E
Pitt School Rd
Evans Rd
N Adams St
S 1st St
Pedrick Rd
Silveyville Rd
Reddick Rd
Dixon



City of Dixon

Existing Noise Contours

Salter Project
#14-0731
[4 Nov 2019]



City of Dixon

Future (2040) Noise Contours

Salter Project
#14-0731
[4 Nov 2019]

City of Dixon - Traffic Noise Analysis Summary
Salter Project No. 14-0731 (4 Nov. 2019)

#	Roadway	Segment	Existing Noise Level at 50' (DNL in dB)	Future Noise Level at 50' (DNL in dB)	Projected Increase (dB)	In 2040: Distance from Centerline to DNL 70 dB	In 2040: Distance from Centerline to DNL 65 dB	In 2040: Distance from Centerline to DNL 60 dB
1	I-80		84	85	1	480	1020	2210
2	N. First St.	I-80 to West H St.	71	72	1	70	140	300
3	N. First St.	West H St. to West A St.	66	66	<1	<50	50	120
4	S. First St.	South of West A St.	68	67	<1	<50	70	160
5	Pitt School Road	I-80 to West H St.	67	68	1	<50	80	180
6	Pitt School Road	West H St. to West A St.	60	64	4	<50	<50	90
7	West A St.		67	69	2	<50	90	200
8	Railway		79	79	<1	210	440	960

Definition:

DNL (Day-Night Average Sound Level) – A descriptor for a 24-hour A-weighted average noise level. DNL accounts for the increased acoustical sensitivity of people to noise during the nighttime hours. DNL penalizes sound levels by 10 dB during the hours from 10 PM to 7 AM. For practical purposes, the DNL and CNEL are usually interchangeable. DNL is sometimes written as Ldn.

Comments/Assumptions

1) Traffic volumes are per DKS Assoc. data received Aug 2019
2) Truck % assumed to be 2% for all roadways
3) Speeds are per DKS, as posted, and adjusted per site observation/measurement
4) The DNL for the railway is impacted by nighttime train passbys generating noise levels above 90 dB.

DIXON

CALIFORNIA