City of
SACRAMENTO
Community Development

ADDENDUM TO AN ADOPTED MITIGATED NEGATIVE DECLARATION

The City of Sacramento, California, a municipal corporation, does hereby prepare, make declare, and publish the Addendum to a certified Mitigated Negative Declaration for the following described project:

Project Name and Number: Hyatt House and Place (P18-071)

Original Project: Cambay West (P99-135)

The City of Sacramento, Community Development Department, has reviewed the proposed project and on the basis of the whole record before it, has determined that there is no substantial evidence that the project, as identified in the attached Addendum, would have a significant effect on the environmental beyond that which was evaluated in the Cambay West Mitigated Negative Declaration. A Subsequent Mitigated Negative Declaration is not required pursuant to the California Environmental Quality Act of 1970 (Sections 21000, et. Seq., Public Resources Code of the State of California) (CEQA).

This Addendum to the Cambay West Mitigated Negative Declaration has been prepared pursuant to Title 14, Section 15164 of the California Code of Regulations; the Sacramento Local Environmental Regulations (Resolution 91-892) adopted by the City of Sacramento.

A copy of this document and all supportive documentation may be reviewed or obtained at the City of Sacramento, Community Development Department, Planning Division, 300 Richards Boulevard, Sacramento, California 95811.

Environmental Services Manager, City of Sacramento, California, a municipal corporation

By: Scott Johnson

Date: 4-29-19

Hyatt House and Place North Natomas (P18-071)
Addendum to the Cambay West Mitigated Negative Declaration

File Number/Project Name: Hyatt House and Place North Natomas (P18-071)

Project Location and Surrounding Land Uses: The proposed project is located at 4850 Duckhorn Drive in the City of Sacramento, California, within the Cambay West Planned Unit Development (PUD) area of the North Natomas Community Plan (NNCP) Area (see Figure 1 and Figure 2). Existing surrounding development includes a hotel to the west, commercial to the east, and multi-family residential to the south. A vacant field exists to the north of the project site across Del Paso Road. The project site is approximately 0.25-mile west of Interstate 5 (I-5). The 4.19-acre site is identified as Assessor's Parcel Number (APN) 225-0080-070.

Existing Setting: The City of Sacramento 2035 General Plan designates the project site as Employment Center Mid Rise. The current zoning designation for the project site is Employment Center 65/PUD (EC-65-PUD). The project site consists predominantly of a vacant lot that has been previously disturbed through grading and is regularly disked for weed abatement. A paved parking area within the western border of the project site currently provides parking for the adjacent Four Points Sheraton Hotel.

Project Background: The project site is located within the Cambay West PUD area of the larger Cambay West and Gateway West PUD planning area. The Cambay West PUD was approved and the associated Cambay West Initial Study/Mitigated Negative Declaration (IS/MND) (2001 IS/MND) was ratified by the City Council in 2001 (Resolution No. 2001-099). The 2001 IS/MND and City Council Resolution for the Cambay West PUD are available at the Sacramento Planning Division, at 300 Richards Boulevards, 3rd Floor, Sacramento, CA 95811 from 9:00 AM to 4:00 PM Monday through Friday. Further details regarding the original Cambay West PUD IS/MND, as well as the proposed modifications associated with the Hyatt House and Place North Natomas, are provided below.

The Cambay West Project included approval of a Tentative Master Parcel Map to subdivide the approximately 120-acre, vacant project area into 13 lots identified as Lots A through K and Villages 1 and 2. Table 1 below illustrates the lot sizes and densities associated with the approved Master Parcel Map. The approved project included the following entitlements:

- Mitigated Negative Declaration;
- Mitigation Monitoring Plan;
- Development Agreement between the City and Cambay Group;
- General Plan Amendment;
- North Natomas Community Plan Amendment;
- Rezone;
- PUD Schematic Plan and Guidelines Amendment;
- Tentative Master Parcel Map;
- Tentative Subdivision Map; and
- Subdivision Modification.

The City of Sacramento determined that the Cambay West Project, with implementation of mitigation measures identified in the 2001 IS/MND, would not have a significant environmental effect.

Figure 1
Regional Vicinity Map

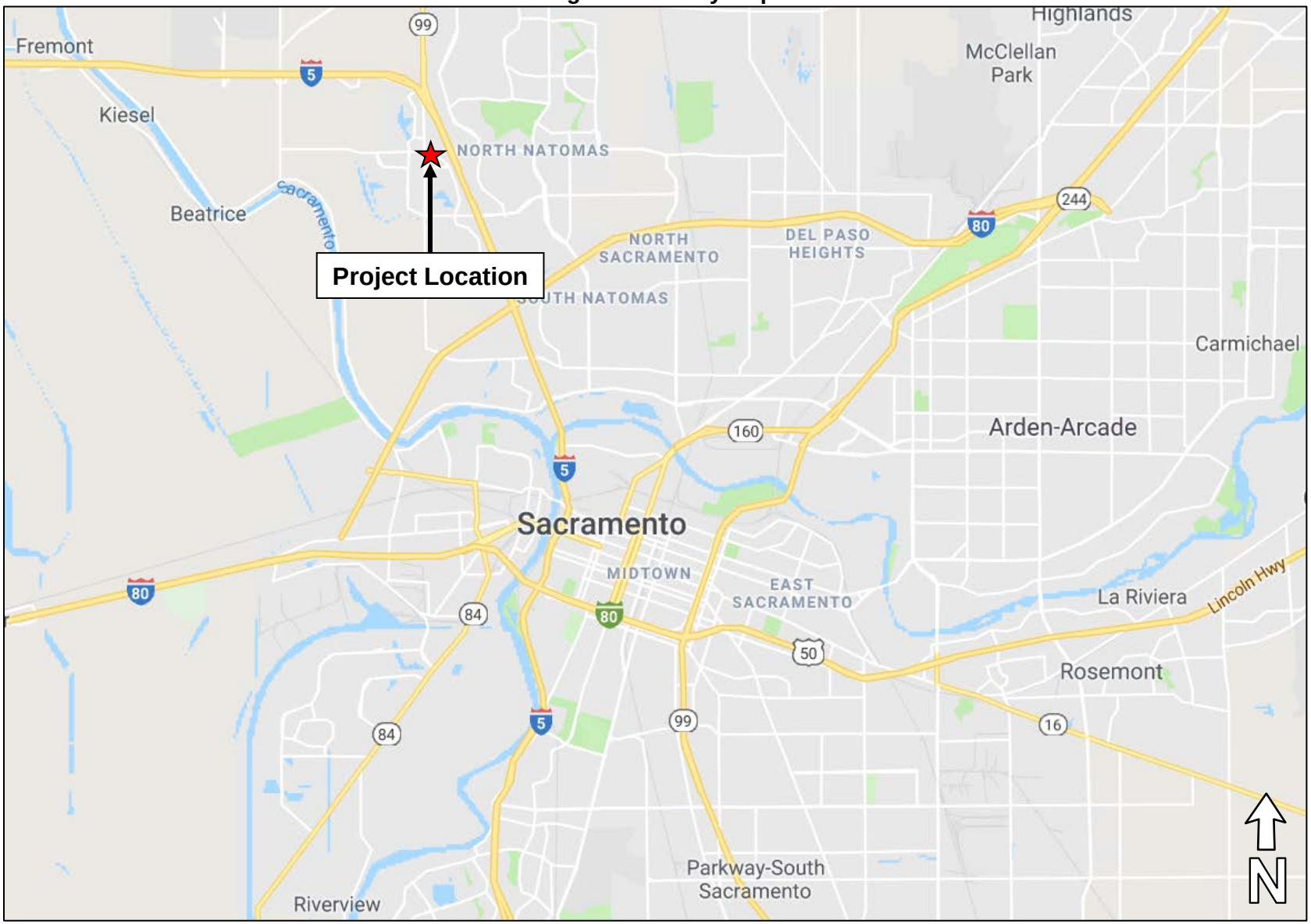


Figure 2
Project Boundaries Map

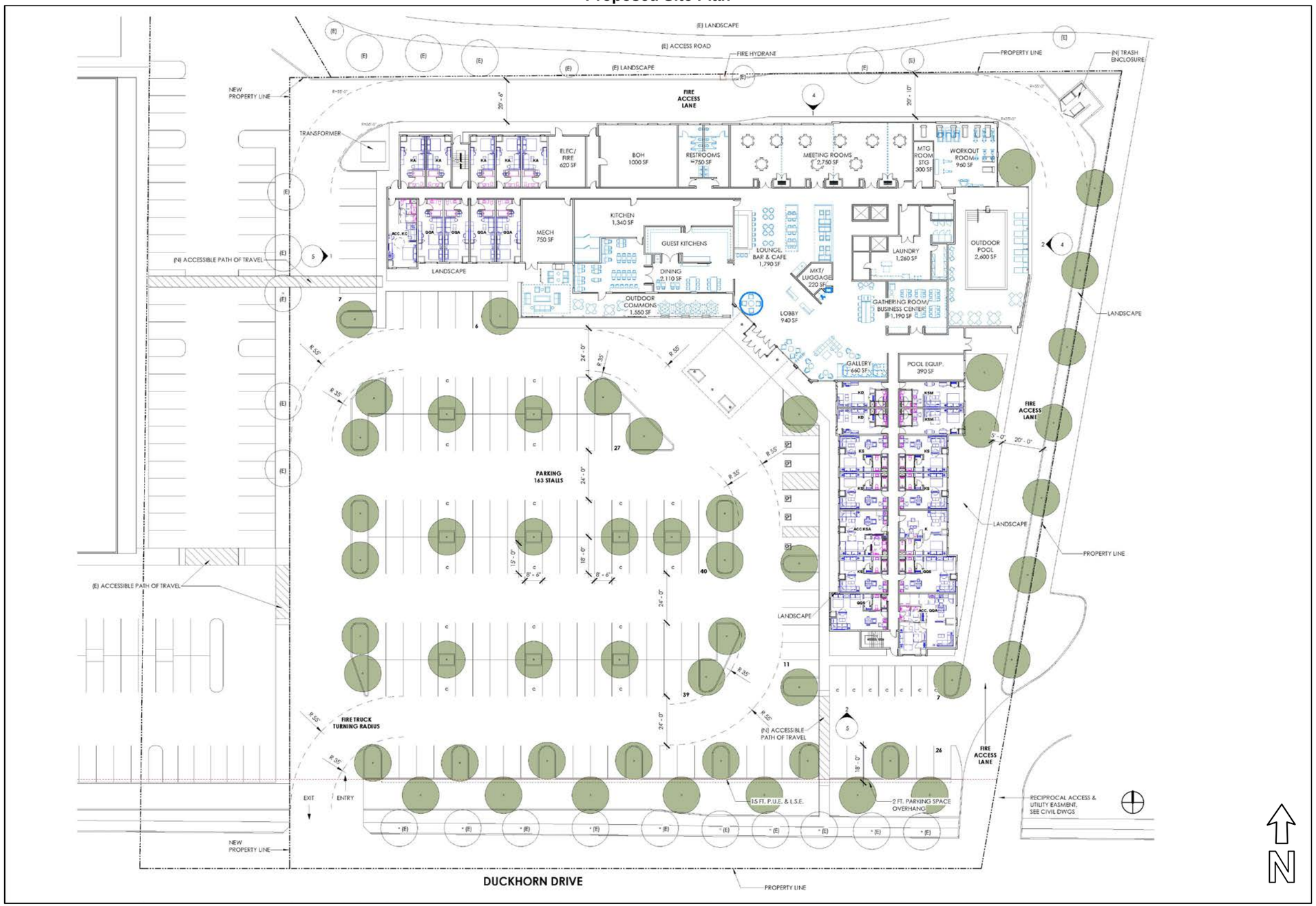
Table 1 Approved Cambay West Master Parcel Map		
Parcel	**Land Uses**	**Gross Acreage**
A	Employment Center – 65	7.5
B	Employment Center – 40	18.7
C	High Density – Residential 22 du/na	11.0
D	High Density – Residential 22 du/na	8.1
E	Medium Density – Residential 12 du/na	6.3
F	Open Space – Neighborhood Park	6.4
G	Medium Density – Residential 12 du/na	5.3
H	Open Space – Freeway Buffer	8.9
I	I-5 Ultimate Widening	1.3
J	Drainage Easement	0.7
K	Sewer Easement	0.08
Village 1	Low Density – Residential 7 du/na	21.7
Village 2	Low Density - Residential 7 du/na	20.2
	Total	**120**

Project Description: A planning application was received by the City of Sacramento for Hyatt House and Place North Natomas Project (henceforth referred to in this Addendum as the "proposed project"). The proposed project would include construction of an approximately 120,380-square foot (sf), four-story building that would contain two hotels with a total of 201 rooms. Additional site improvements would include construction of a paved parking lot containing 163 parking spaces, landscaping, and on-site drainage infrastructure. Figure 3 presents the proposed site plan. It should be noted that hotel amenities such as a 2,600-sf outdoor pool area and a 1,550-sf outdoor common area are not included within the gross square footage of the building. As shown in Figure 2 and Figure 3, the proposed project would include a lot line adjustment that would reduce the acreage of the project site from 4.19 acres to approximately 3.32 acres. In addition, the proposed project would require the approval of a Development Agreement between the City of Sacramento and GB Commercial, LLC.

The two hotels that would be housed in the proposed 12,380-sf structure would be a Hyatt Place hotel and a Hyatt House hotel. The Hyatt Place hotel would consist of a total of 109 rooms and would include distinct living and sleeping areas as well as amenities such as a bar, café, breakfast dining area, guest lounges, library, fitness center, meeting rooms, and outdoor pool. The Hyatt House hotel would consist of 92 extended stay rooms that would feature apartment-style suites with fully equipped kitchens. Overall, the combined hotels would have a total of 201 rooms. Table 2 below provides a summary of the proposed floor areas for the proposed hotel uses.

Table 2 Hotel Summary				
Level	**Gross Floor Area**	**Hyatt Place (RM)**	**Hyatt House (RM)**	**Total (RM)**
1	33,230 sf	10	14	24
2	29,050 sf	33	26	59
3	29,050 sf	33	26	59
4	29,050 sf	33	26	59
Total	**120,380 sf**	**109**	**92**	**201**
Note: RM = Rooms				

Figure 3
Proposed Site Plan



Site Access and Parking

Primary site access would be provided by a driveway on Duckhorn Drive in the southwestern portion of the project site. The project would include construction of a paved parking area consisting of a total of 163 parking spaces. The project site is located within the Urban Parking District which does not have minimum parking requirements; however, the proposed addition of 163 parking spaces would provide for 0.81 stalls per hotel room, 15 percent of which would be compact spaces. The project would include a 20-foot-wide fire access lane at the southeastern corner of the site. The fire access lane would extend along the eastern and northern perimeters of the project site.

Alternative Transportation

The project site vicinity contains existing public transit and bicycle facilities. The North Natomas Jibe Express operates bus routes M, N, and O within the project vicinity, with stops located within 0.25-mile on El Centro Road and Natomas Central Drive. In addition, Sacramento Regional Transit route 11 provides bus transit from a stop located at the intersection of Del Paso Road and Truxel Road approximately 0.6-mile east of the project site. Pedestrian sidewalks and bike lanes exist along the project site frontage of Duckhorn Drive. Additional bike lanes and sidewalks currently exist along Del Paso Road and El Centro Road.

Landscaping

On-site landscaping for the proposed project would consist of 15-gallon shade trees, as well as groundcover, foundation, and accent shrubs. Shade trees would consist of Yarwood Plane trees, Cork oak, and Drake Chinese evergreen elms, which would be situated throughout the paved parking area and along the eastern and southern project frontages (see Figure 4). The shade trees would provide a total parking lot shade area of approximately 51 percent, compliant with the minimum 50 percent shade requirement per City of Sacramento standards.

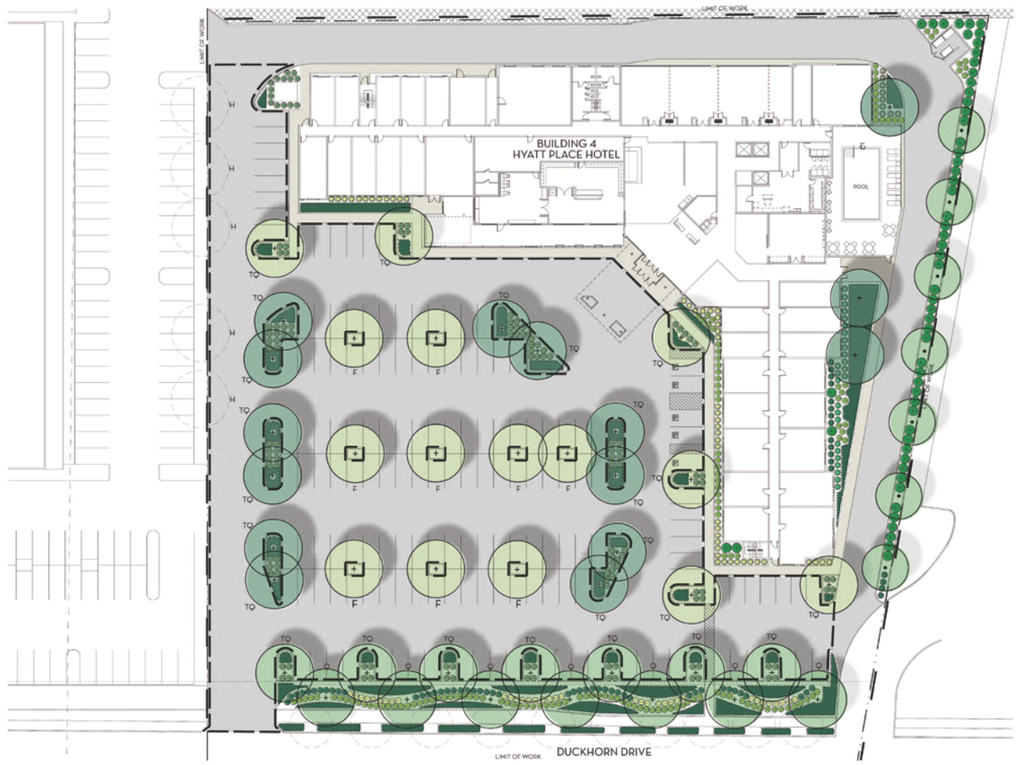
Utilities

The proposed project would include construction of on-site utility infrastructure to serve the demand of the proposed hotel uses. The proposed project would include the installation of two fire hydrants on the northern and eastern borders of the site and fire flow water would be provided to the project site by way of a new connection to an existing 12-inch water main located within the Duckhorn Avenue right-of-way (ROW). Stormwater drainage infrastructure would be constructed throughout the paved parking area and project site, which would direct stormwater runoff to new 12-inch and 18-inch drain pipes that would connect to an existing 24-inch storm drain located north of the project site in the Del Paso Road ROW. Wastewater connections from the proposed structure would be connected to existing City infrastructure by way of a new connection to an existing eight-inch sanitary sewer line located in the Duckhorn Avenue ROW.

Rezone

The site's current zoning designation of EC-65-PUD was developed specifically for the North Natomas area and is intended to provide a flexible zone for employment-generating uses in a pedestrian-friendly setting in addition to a variety of supporting uses such as retail, residential, and light industrial. The proposed project would require a rezone to reflect development standards for the proposed project and allow for the proposed hotel at the proposed employment density.

Figure 4
Proposed Landscape Plan



PARKING LOT AREA SHADE CALCULATIONS

TREE SIZE	F	TQ	H	Q	TOTAL
35' DIA. SHADE TREE	9@962 8,658-459=8,199	25@722 18,050	0@481	7@240 1,680	27,929 SF
30' (E) TREES	0@962	0@722	5@481 2,405	0@240	2,405

TOTAL TREE SHADE	30,334 SF
PORTICO 100% COVERAGE	949 SF
TOTAL SHADE PROVIDED	31,283 SF
TOTAL PARKING LOT AREA	61,151 SF
TOTAL SHADE REQUIRED (50%)	30,576 SF
PERCENT SHADED	51%

LIMIT OF AREA FOR SHADE CALCULATIONS:

0' 15' 30'
(1" = 30'-0")

PLANT LEGEND

TYPE	BOTANICAL NAME	COMMON NAME	WATER USE	SIZE	HEIGHT/WIDTH
35' DIA. SHADE TREES					
	PLATANUS X ACERIFOLIA 'YARWOOD'	YARWOOD PLANE TREE	M	15 GAL.	40'x35'
	QUERCUS SUBER	CORK OAK	L	15 GAL.	40'x35'
	ULMUS PARVIFOLIA 'DRAKE'	DRAKE CHINESE EVERGREEN ELM	L	15 GAL.	40'x35'
SCREEN SHRUBS					
	PRUNUS CAROLINIANA 'COMPACTA'	COMPACT CAROLINA CHERRY LAUREL	L	5 GAL.	8' x 6'
FOUNDATION SHRUBS					
	CALLISTEMON V. 'LITTLE JOHN'	DWARF BOTTLEBRUSH	L	5 GAL.	3' x 3'
	LOMANDRA LONGIFOLIA 'BREEZE'	DWARF MAT RUSH	L	1 GAL.	2' x 2'
	RHAPHIOLEPIS UMBELLATA 'MINOR'	DWARF YEDDO HAWTHORN	L	5 GAL.	3.5' x 3.5'
	WESTRINGIA R. 'MORNING LIGHT'	VARIEGATED COAST ROSEMARY	L	5 GAL.	3' x 3'
ACCENT SHRUBS					
	MUHLENBERGIA CAPILLARIS	PINK MUHLY	L	5 GAL.	3' x 6'
	PENNISETUM ORIENTALE 'KARLEY ROSE'	DWARF FOUNTAIN GRASS	L	1 GAL.	4' x 2'
	SALVIA LEUCANTHA 'SANTA BARBARA'	COMPACT MEXICAN BUSH SAGE	L	5 GAL.	2.5'x3.5'
GROUNDCOVERS					
	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP JUNIPER	L	1 GAL.	1' x 6', 48" O.C.
	LANTANA MONTEVIDENSIS	TRAILING WHITE LANTANA	L	1 GAL.	2' x 6', 48" O.C.
	SCAEVOLA 'MAUVE CLUSTERS'	PINK-PURPLE FAN FLOWER	L	1 GAL.	6" x 4', 36" O.C.

PLANTING NOTES

1. PLANT MATERIAL QUANTITIES SHOWN ON DRAWINGS ARE INFORMATIONAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANT MATERIAL REQUIRED.
2. IMMEDIATELY AFTER AWARD OF CONTRACT, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF SPECIFIED PLANT MATERIAL IS AVAILABLE FROM COMMERCIAL NURSERIES. IN CASE A PLANT IS NOT AVAILABLE, THE LANDSCAPE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS. SUCH CHANGES WILL NOT ALTER THE CONTRACTOR'S ORIGINAL BID PRICE UNLESS A CREDIT IS DUE THE OWNER.
3. EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FLOODED WITH WATER SHALL DRAIN WITHIN 6 HOURS OF FILLING. THE CONTRACTOR SHALL ENSURE ALL PLANT PITS HAVE POSITIVE DRAINAGE. SEE SPECIFICATIONS FOR EXACT REQUIREMENTS.
4. ALL PLANT MATERIALS SHALL COMPLY WITH FORM AND CHARACTERISTIC REQUIREMENTS AS SPECIFIED. ALL PLANT MATERIAL WILL COMPLY WITH ANSI Z601 'STANDARD FOR NURSERY STOCK'.
5. THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS AND REQUIREMENTS CONTAINED WITHIN THE LANDSCAPE INSTALLATION SPECIFICATIONS. THE CONTRACTOR SHALL HAVE AVAILABLE ON THE JOB SITE AT ALL TIMES, THE CONSTRUCTION ISSUE SPECIFICATIONS FOR INSPECTION BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL INSERT IN THE PLANS ALL OFFICIAL/APPROVED ADDENDUMS AND/OR CHANGE ORDERS RELATIVE TO THE LANDSCAPE INSTALLATION IN CHRONOLOGICAL ORDER.
6. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION CONTROL MEASURES THAT MAY BE REQUIRED THROUGH THE DURATION OF THE CONTRACT PERIOD. SHOULD THERE BE EXISTING SOIL EROSION CONDITIONS THAT REQUIRE MITIGATION WHEN THE CONTRACTOR INITIALLY ACCEPTS THE SITE, THE LANDSCAPE ARCHITECT AND OWNER SHOULD BE ALERTED TO ITS EXISTENCE. FAILURE OF THE CONTRACTOR TO NOTIFY THE LANDSCAPE ARCHITECT AND OWNER IMPLIES ACCEPTANCE OF THE SITE BY THE CONTRACTOR IN ITS EXISTING CONDITION. ALL COSTS NECESSARY TO MITIGATE EXISTING EROSION PROBLEMS SHALL BE AT THE CONTRACTOR'S EXPENSE AND AT NO EXTRA COST TO THE OWNER OR INCREASE THE ORIGINAL BID AMOUNT.
7. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITY SYSTEMS PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION THAT MAY CAUSE DAMAGE TO EXISTING STRUCTURES. CALL U.S.A. TO LOCATE ALL EXISTING UTILITIES (800) 227-2600. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT OF DAMAGED UTILITIES, TO THE SATISFACTION OF THE OWNER OR GOVERNING AGENCY AND AT NO EXTRA COST TO THE OWNER OR INCREASE IN BID AMOUNT.
8. INCORPORATE COMPOST AT A RATE OF AT LEAST FOUR CUBIC YARDS PER 1,000 SQUARE FEET TO A DEPTH OF SIX INCHES INTO LANDSCAPE AREA (UNLESS CONTRA-INDICATED BY A SOIL TEST).
9. ALL NON-TURF PLANTING AREAS (EXCEPT BIOSWALE AREAS) SHALL BE TOP DRESSED WITH A 3" LAYER OF CHIPPED BARK MULCH. PARTICLE SIZE SHALL BE A MINIMUM OF TWO (2) INCHES. BIOSWALE AREAS TO RECEIVE A 3" MIN. LAYER OF 1"-3" COBBLE IN LIEU OF BARK MULCH.
10. NO TREE SHALL BE PLANTED WITHIN FIVE (5) FEET OF UNDERGROUND WATER MAINS.
11. TREES PLANTED WITHIN FIVE (5) FEET OF SIDEWALKS OR CURBS SHALL RECEIVE ROOT BARRIERS.
12. ALL PLANTING WORK SHALL BE IN ACCORDANCE WITH CURRENT SACRAMENTO COUNTY STANDARD SPECIFICATIONS.
13. AT THE END OF THE ESTABLISHMENT PERIOD, A FINAL WALK THROUGH WILL BE CONDUCTED BY THE CONTRACTOR, TO INCLUDE THE LANDSCAPE ARCHITECT OF RECORD AND THE OWNER'S REPRESENTATIVE.
14. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED LANDSCAPE DOCUMENTATION TO THE LANDSCAPE ARCHITECT OF RECORD SO THE LANDSCAPE ARCHITECT MAY COMPLETE THE CERTIFICATE OF COMPLETION DOCUMENTATION TO ACHIEVE PERMIT ACCEPTANCE AND SIGN OFF AT THE END OF MAINTENANCE PERIOD, AS REQUIRED BY THE CITY'S WATER EFFICIENT LANDSCAPE ORDINANCE.

HYATT HOUSE & PLACE, NORTH NATOMAS: LANDSCAPE CONCEPT
4850 DUCKHORN DR., SACRAMENTO, CA

L1
OCTOBER 4, 2018

wilson design studio | 63 natoma street, suite 160, folsom, ca 95630 | 916.524.8814 | keith@wdsls.com

PUD Schematic Plan Amendment

The project site is located within the Cambay West PUD area of the larger Cambay West and Gateway West PUD planning area. The Cambay West PUD anticipated development of the site with EC-65-PUD uses. Primary permitted uses for EC-65-PUD include employment generating uses such as commercial, office, and mixed-use development with a permitted intensity of 65 employees per net acre. Support uses for EC-65-PUD include schools, restaurants, gas stations, hotels and other various retail support uses. Per section 17.54.420 of the Sacramento City Code, a maximum of 10 percent of the net acreage of a site can be used for support uses. Given that the proposed project would include construction of a four-story hotel on the 3.35-acre project site, a PUD Schematic Plan Amendment would be required in order to allow for development of the project site for hotel use within more than 10 percent of the project site.

Site Plan and Design Review

City staff would conduct a site plan and design review prior to approval of the proposed project. As noted in Chapter 17.808 of the Sacramento City Code, the purpose of site plan and design review is to ensure that the physical aspects of development projects are consistent with the general plan and any other applicable specific plans or design guidelines, that projects are high quality and compatible with surrounding development, among other considerations.

Project Approvals

The proposed project would require the following entitlements from the City of Sacramento:

- Development Agreement between the City of Sacramento and GB Commercial, LLC.;
- Lot Line Adjustment to decrease the lot acreage from 4.19 to 3.35 acres;
- Rezone to allow for the proposed hotel at the proposed employment density;
- PUD Schematic Plan Amendment to allow for primary development of the site with hotel use; and
- Site Plan and Design Review.

Rationale for Preparation of the Addendum

In determining whether an addendum is the appropriate document to analyze the modifications to the project and its approval, State CEQA Guidelines Section 15164 (Addendum to an EIR or Negative Declaration) states:

> (a) The lead agency or a responsible agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred.
>
> (b) An addendum to an adopted negative declaration may be prepared if only minor technical changes or additions are necessary or none of the conditions described in Section 15162 calling for the preparation of a subsequent EIR or negative declaration have occurred.
>
> (c) An addendum need not be circulated for public review but can be included in or attached to the final EIR or adopted negative declaration.
>
> (d) The decision-making body shall consider the addendum with the final EIR or adopted negative declaration prior to making a decision on the project.

(e) A brief explanation of the decision not to prepare a subsequent EIR pursuant to Section 15162 should be included in an addendum to an EIR, the lead agency's required findings on the project, or elsewhere in the record. The explanation must be supported by substantial evidence.

New significant effects or other grounds require preparation of a subsequent Mitigated Negative Declaration in support of further agency action on a project pursuant to Public Resources Code Section 21166 and State CEQA Guidelines Sections 15162 and 15163. Under the guidelines, a subsequent or supplemental EIR or Mitigated Negative Declaration shall be prepared if any of the following criteria are met:

(a) When an EIR has been certified or negative declaration adopted for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

(1) Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

(2) Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

(3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:

(A) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;

(B) Significant effects previously examined will be substantially more severe than shown in the previous EIR;

(C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

(D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Discussion

The following sections provide information related to the proposed project's impacts on air quality and greenhouse gas (GHG) emissions, biological resources, cultural resources, and traffic and transportation relative to those previously identified and addressed in the 2001 IS/MND.

Air Quality

The Sacramento Metropolitan Air Quality Management District (SMAQMD) is responsible for control of stationary and indirect-source emissions, air monitoring, and preparation of air quality attainment plans in the Sacramento County portion of the Sacramento Valley Air Basin (SVAB). Federal and State air quality standards have been established for six common air pollutants, known as criteria pollutants, because the criteria air pollutants could be detrimental to human health and the environment. The criteria pollutants include particulate matter, ground-level ozone, carbon monoxide, sulfur oxides, nitrogen oxides, and lead. At the federal level, Sacramento County is designated as severe nonattainment for the 8-hour ozone standard, nonattainment for the 24-hour $PM_{2.5}$ standard, and attainment or unclassified for all other criteria pollutants.

Nearly all development projects in the Sacramento region have the potential to generate air pollutants that may increase the difficultly of attaining federal and State AAQS. Therefore, for most projects, evaluation of air quality impacts is required to comply with CEQA. In order to help public agencies evaluate air quality impacts, the SMAQMD has developed the *Guide to Air Quality Assessment in Sacramento County*.[1] The SMAQMD's guide includes recommended thresholds of significance, including mass emission thresholds for construction-related and operational ozone precursors, as the area is under nonattainment for the federal and State ozone AAQS. The SMAQMD's guide also includes screening criteria for localized carbon monoxide (CO) emissions and thresholds for new stationary sources of toxic air contaminants (TACs).

The 2001 IS/MND assessed air quality impacts under applicable 2001 standards and conditions. The 2001 IS/MND determined that impacts related to air quality associated with build out of the project would be less than significant; however, the 2001 IS/MND stated that traffic associated with the ultimate use of the development would produce emissions of various compounds that contribute to regional and local air quality problems. The 2001 IS/MND concluded that compliance with applicable air quality mitigation measures set forth in the 1994 NNCP EIR, which required the NNCP to prepare an Air Quality Mitigation Strategy that reduces ROG emissions by 20 percent for residential uses and 50 percent for non-residential uses, would ensure the project would result in less-than-significant air quality impacts.

On May 28, 2015, the SMAQMD Board of Directors adopted new mass emission thresholds for PM_{10} and $PM_{2.5}$. In order to determine whether the proposed project would result in new or more severe impacts due to the adoption of new standards, the proposed project's construction-related and operational emissions have been estimated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2 software. Table 3 below shows the estimated NOx, ROG, PM_{10}, and $PM_{2.5}$ emissions during both construction and operation of the proposed project as they relate to SMAQMD air quality standards.

[1] Sacramento Metropolitan Air Quality Management District. *Guide to Air Quality Assessment in Sacramento County*. May 2018. Available at: http://www.airquality.org/Residents/CEQA-Land-Use-Planning/CEQA-Guidance-Tools. Accessed February 2019.

Table 3 Maximum Unmitigated Project Emissions						
Pollutant	**Project Construction Emissions (lbs/day)**	**Construction Thresholds (lbs/day)**	**Project Operational Emissions (lbs/day)**	**Operational Thresholds (lbs/day)**	**Project Operational Emissions (tons/yr)**	**Operational Thresholds (tons/yr)**
NO_X	45.51	85	18.03	65	N/A	None
ROG	6.63	-	5.71	65	N/A	None
PM_{10}	20.61	80	6.54	80	1.14	14.6
$PM_{2.5}$	10.02	82	1.71	82	0.33	15
Source: CalEEMod, March 2019 (see Appendix A).						

Daily activities such as vehicle trips associated with future hotel employees and hotel guests would comprise the majority of the project's operational emissions. Emissions would also occur from area sources such as natural gas combustion from heating mechanisms, exhaust from landscape maintenance equipment, and consumer products (e.g., deodorants, cleaning products, spray paint, etc.). In addition, construction exhaust emissions would be generated from construction equipment, vegetation clearing and earth movement activities, construction workers' commute, and construction material hauling for the entire construction period. As shown in Table 3 above, the proposed project would not result in operational or construction emissions of NO_X, ROG, $PM_{2.5}$, or PM_{10} above applicable SMAQMD thresholds. Because the estimated operational emissions of NO_X, ROG, PM_{10}, and $PM_{2.5}$ are below the applicable thresholds, the proposed project would not result in any new or more severe impacts related to construction-related or operational emissions.

In addition, all projects under the jurisdiction of SMAQMD are required to comply with all applicable SMAQMD rules and regulations. Relevant rules include, but are not limited to, Rule 403 (Fugitive Dust), Rule 404 (Particulate Matter), and Rule 442 (Architectural Coatings). Furthermore, all projects are required to implement the SMAQMD Basic Construction Emission Control Practices (BCECP). Compliance with SMAQMD rules and regulations and BCECP would help to minimize construction emissions.

It should be noted that the 2001 IS/MND included Mitigation Measure A, which required compliance with the NNCP's requirement to prepare and Air Quality Mitigation Strategy that reduces ROG emissions by 20 percent for residential uses and 50 percent for non-residential uses. As discussed above, construction-related and operational emissions resulting from the proposed project would be below all applicable SMAQMD thresholds. Thus, the proposed project would not be required to implement Mitigation Measure A from the 2001 IS/MND.

Greenhouse Gas Emissions

Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. A project's GHG emissions are at a micro-scale relative to global emissions, but could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact.

A number of regulations currently exist related to GHG emissions, predominantly Assembly Bill (AB 32), Executive Order S-3-05, and Senate Bill (32). AB 32 sets forth a statewide GHG emissions

reduction target of 1990 levels by 2020. Executive Order S-3-05 sets forth a transitional reduction target of 2000 levels by 2010, the same target as AB 32 of 1990 levels by 2020, and further builds upon the AB 32 target by requiring a reduction to 80 percent below 1990 levels by 2050. SB 32 also builds upon AB 32 and sets forth a transitional reduction target of 40 percent below 1990 levels by 2030. In order to implement the statewide GHG emissions reduction targets, local jurisdictions are encouraged to prepare and adopt area-specific GHG reduction plans and/or thresholds of significance for GHG emissions.

The 2001 IS/MND addressed the net increase of carbon monoxide and ROGs associated with development of the approved Cambay West PUD Project, including development of the project site, but did not specifically discuss impacts related to GHG emissions. Potential impacts related to GHG emissions do not constitute "new information" as defined by CEQA, as GHG emissions were known as potential environmental issues before1994.[2] Since the time the 2001 IS/MND was approved, the City has taken numerous actions towards promoting sustainability within the City, including efforts aimed at reducing GHG emissions. On February 14, 2012, the City adopted the City of Sacramento Climate Action Plan (CAP), which identifies how the City and the broader community could reduce GHG emissions in compliance with AB 32 and included reduction targets, strategies, and specific actions. In 2015, the City of Sacramento adopted the 2035 General Plan Update, which incorporated measures and actions from the CAP as Appendix B, General Plan CAP Policies and Programs. Appendix B of the General Plan Update includes all citywide policies and programs that are supportive of reducing GHG emissions.

In addition to the City's General Plan CAP Policies and Programs outlined in Appendix B of the General Plan Update, a number of regulations have been enacted since the 2001 IS/MND was approved for the purpose of, or with an underlying goal for, reducing GHG emissions, such as the California Green Building Standards Code (CALGreen Code) and the California Building Energy Efficiency Standards Code. Energy efficiency standards associated with the CALGreen Code have become increasingly stringent with each iteration since approval of the 2001 IS/MND. According to the California Energy Commission, the upcoming 2019 Building Energy Efficiency Standards are anticipated to result in 30 percent less energy consumption for nonresidential buildings relative to the current 2016 energy standards. The proposed project would be required to comply with all applicable regulations associated with GHG emissions, including the CALGreen Code and California Building Energy Efficiency Standards Code.

As modeled, the proposed project would be anticipated to emit 494 metric tons (MT) of carbon dioxide equivalent units (CO_2e) per year during construction, and 1,910 $MTCO_2e$ per year during operation. However, the City of Sacramento does not assess potential impacts related to GHG emissions based on the basis of total emissions of GHGs. Rather, the City of Sacramento has integrated a CAP into the City's General Plan, and thus, potential impacts related to climate change from development within the City are assessed based on the project's compliance with the City's adopted General Plan CAP Policies and Programs set forth in Appendix B of the General Plan Update.

Goal LU 2.5, Policy LU 2.5.1, and Policy LU 2.7.6 require that new urban developments should be well-connected, minimize barriers between uses, and create pedestrian-scaled, walkable areas. Policy LU 2.6.1 and LU 2.6.2 were designed to promote the efficient use of land in order to reduce pollution and automobile dependence and facilitate walking, bicycling, and public transit

[2] As explained in a series of cases, most recently in *Concerned Dublin Citizens v. City of Dublin (2013) 214 Cal. App. 4th 1301*. Also see, *Citizens of Responsible Equitable Development v. City of San Diego (2011) 196 Cal.App.4th 515*.

use. The proposed project would include a network of accessible pedestrian paths throughout the project site and would connect to existing sidewalks along Duckhorn Drive. Additionally, Duckhorn Drive, El Centro Road, and Del Paso Road in the project site vicinity include bicycle lanes on both sides of the streets, as well as sidewalks for pedestrian use. The proposed project would be constructed in compliance with the California Building Standards Code and the CalGreen Code. Furthermore, Policy ER 6.1.2 directs the City to review proposed development and incorporate feasible measures that reduce construction emissions for ROG, NO_X, and other pollutants. As discussed above, emissions related to construction of the proposed project would be in compliance with SMAQMD's applicable rules and thresholds of significance and Policy ER 6.1.2.

Based on the above, the proposed project would not result in any new or significantly more severe impacts to air quality relative to what has been previously analyzed for the project site in the 2001 IS/MND. In addition, as stated above, potential impacts related to GHG emissions do not constitute new information as defined by CEQA. GHG emissions resulting from implementation of the proposed project would comply with all applicable reduction targets, strategies, and specific actions for reducing GHG emissions. Thus, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to air quality and GHG emissions from what has been anticipated for the project site in the 2001 IS/MND.

Biological Resources

The analysis of biological resources in the 2001 IS/MND was based on a Biological Resources Assessment prepared by Gibson & Skordal, Inc., dated October 10, 1999, in addition to information from the Natomas Basin Habitat Conservation Plan (NBHCP). The 2001 IS/MND analyzed potential impacts of development on biological resources within the 122.6-acre Cambay West PUD area and concluded that, with implementation of mitigation measures, development of the Cambay West PUD area, including the project site, would result in less-than-significant impacts to biological resources.

The 2001 IS/MND used information from the 1986 NNCP EIR and 1994 Subsequent EIR to determine that the approved project would not result in impacts to special-status plant species. However; special-status wildlife species, such as the giant garter snake (*thamnophic couchi gigas*) and Swainson's hawk (*buteo swainsonii*), were identified as having potential nesting and foraging habitat within the Cambay West PUD area.

The project site is within a built-up area and is surrounded on three sides by existing development that includes a Sheraton hotel to the west, Avanti Apartment Homes to the south across Duckhorn Drive, and commercial businesses to the east. A paved pedestrian and bicycle pathway borders the site to the north, beyond which lies Del Paso Road. The project site is located within the coverage area, and subject to the requirements, of the NBHCP, which is designed to provide basin-wide mitigation for impacts related to protected species and habitat.

As noted above, the proposed project would be required to comply with the following mitigation from the 2001 IS/MND.

> *B. The applicant shall participate in the Natomas Basin Habitat Conservation Plan (HCP). At the time of grading permit, the applicant shall pay the necessary fee, based on Resolutions 97-459 and 97-508, adopted by the City Council on August 7, 1997 and September 2, 1997, respectively. [As of September 12, 2000, the current fee is $3,941 per gross acre.] On December 31, 1997, the California*

Department of Fish and Game and the US Fish and Wildlife Service executed the Natomas Basin Habitat Conservation Plan.

The project applicant/developer shall comply with all requirements of an adopted HCP as required in the Natomas Community Plan EIR and any additional mitigation measures identified in the Natomas Basin HCP EIR/EIS and conditions in the ITPs issued by USFWS and CDFG.

The project applicant/developer shall enter into an agreement with the City of Sacramento which will provide inter alia, that no grading permit, building permit or notice to proceed will be issued unless and until the City adopts a revised HCP and is issued by both federal and state wildlife agencies. The agreement shall also provide that the project applicant will meet all conditions of and participate to the full extent in an adopted Natomas Basin HCP and issued ITPs, or they will pursue and receive individual Incidental Take Permits (ITPs) prior to issuance of any grading permit, building permit or Notice to Proceed. If the applicant/developer is issued an individual ITP, they must provide a copy of the ITP and proof of compliance with all ITP conditions to Planning and Building Services prior to issuance of a grading permit, building permit or Notice to Proceed.

C. The applicant shall comply with the following short-term construction mitigation:

1. *All sites shall be graded such that the new topography makes a smooth transition to existing adjacent topography.*
2. *Dust and soil erosion control measures shall be implemented during the construction phases of all projects. These measures are intended to minimize soil erosion and fugitive dust emissions. Suggested measures include:*
    - *a. watering exposed soils;*
    - *b. covering exposed soils with straw or other materials;*
    - *c. adopting measures to prevent construction vehicles from tracking mud onto adjacent roadways;*
    - *d. covering trucks containing loose and dry soil; and*
    - *e. providing interim drainage measures during the construction period.*
3. *In non-pavement areas, any vegetation covered or removed during grading or construction (including slope protection) should be replanted following the construction activities.*
4. *Although the submitted Resources Assessment did not identify any burrowing owl, if future surveys reveal the presence of any on the project site it will be the responsibility of the project applicant to prepare a plan for relocation of the burrowing owls to a suitable site. At a minimum, the plan must include the following:*
    - *a. The location of the birds (and nests) proposed to be relocated;*
    - *b. The location of the proposed relocation site;*
    - *c. The number of birds involved and when during the year relocation is proposed to take place;*
    - *d. The name and credentials of the biologist who would be retained by the applicant to move the birds (and nests);*
    - *e. The method(s) proposed to catch and transport the birds (and nests) to the relocation site;*
    - *f. A description of the preparation to be made at the relocation site where the birds (and nests) would be taken (e.g., enhancement of existing burrows, creation of artificial burrows, one-time or long-term vegetation control, etc.); and*
    - *g. Efforts proposed to follow-up and/or monitor relocation.*

A search of the California Department of Fish and Wildlife (CDFW) Natural Diversity Database (CNDDB) was performed for the proposed project's site quadrangle as well as the eight surrounding quadrangles (i.e., Davis, Grays Bend, Knights Landing, Pleasant Grove, Rio Linda, Sacramento East, Sacramento West, Taylor Monument, and Verona) to determine the current conditions and special-status plant and wildlife species present in the region since adoption of the 2001 IS/MND. Based on the results of the CNDDB query, 16 special-status plant species and 34 special-status wildlife species have been identified within the nine-quadrangle area.

Special-Status Plant Species

The project site does not meet the habitat requirements (i.e., riparian, wetland, and/or forest habitats) for any of the 16 identified special-status plant species. In addition, the site is surrounded by existing development and is regularly disked for weed abatement. Due to the lack of sufficient on-site habitat and the highly-disturbed nature of the site, special-status plants are not likely to occur on-site.

Special-Status Wildlife Species

The project site does not meet the habitat requirements (i.e., wetlands, vernal pool, riparian forest, or woodland habitats) for the 34 identified special-status wildlife species. The giant garter snake inhabits agricultural wetlands, low gradient streams, and other waterways. The project site does not contain and/or is not located within close proximity to such features. Thus, the project site lacks suitable habitat for the giant garter snake. In addition, while the on-site ruderal vegetation could be considered to provide potential foraging habitat for Swainson's hawk, regular disking of the site for weed abatement would preclude the use of the site by foraging Swainson's hawks. As such, the project site does not contain suitable habitat for Swainson's hawk. Due to the lack of sufficient on-site habitat and the highly-disturbed and urban nature of the site, special-status animals are not likely to occur on-site.

Conclusion

Because the project site is highly disturbed, does not contain wetlands, and does not provide adequate habitat for any species of concern, the proposed project would not result in impacts beyond what was anticipated to occur with implementation of the land uses contemplated in the 2001 IS/MND. It should be noted that the Cambay West PUD Project was subject to participation in the NBHCP, which required payment of development impact fees designed to address any species foraging habitat mitigation. The proposed project would be required to comply with the Mitigation Measures B and C from the 2001 IS/MND. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to biological resources from what has been anticipated for the project site in the 2001 IS/MND.

<u>Cultural Resources</u>

According to the Phase 1 Cultural Resources Inventory prepared for the 2001 IS/MND by Ric Windmiller, Consulting Archeologist, dated February 2000, a study prepared by Dames and Moore identified that the Cambay West PUD area is located in an area of contributing resources for the Reclamation District 1000 (RD 1000) Rural Historic Landscape, a historic district that is eligible for the National Register of Historic Places (NRHR). Features such as the large-scale agricultural fields and drainage ditches within the Cambay West PUD area were assessed as contributing resources to the RD 1000; however, for the Cambay West Project, the consulting

archeologist determined that such features lack integrity and fail to reflect the historical associations that the RD 1000 attained during its period of significance. According to the consulting archeologist for the Cambay West Project, aside from the RD 1000, additional historical resources within the Cambay West PUD area were not identified. In addition, a survey of the Cambay West PUD area performed by the consulting archeologist determined that further historical or archeological resources sites are not located within the PUD area.

Although the Phase 1 Cultural Resources inventory for the Cambay West Project determined that historical or archeological resources did not exist within the Cambay West PUD area, the potential for previously undiscovered subsurface cultural resources to be unearthed during future ground-disturbing activities associated with the approved project still existed. Thus, implementation of Mitigation E in the 2001 IS/MND, as listed below, was required to ensure that impacts to cultural resources would be less than significant.

> *E. If subsurface archeological or historical remains (including unusual amounts of bones, stones, or shells) are discovered during excavation or construction of the site, work shall stop immediately and a qualitied archeologist and a representative of the Native American Heritage Commission shall be consulted to develop, if necessary, further mitigation measures to reduce any archeological impacts to a less-than-significant level before construction continues.*

A record search of the California Historic Resources Information System (CHRIS) was conducted for the proposed project in order to determine whether the project site contains any recorded cultural resources. According to the records search, the project site does not contain prehistoric-period cultural resources or historic-period cultural resources. In addition, two cultural resources study reports on file cover a portion of the project site area. A 0.25-mile broader search area surrounding the project site was determined not to contain any prehistoric-period cultural resources; however, two historical-period resources, historic-era roads, were determined to occur within the broader search area but not within the project site. Given the extent of known cultural resources and the environmental setting of the project site, the potential for prehistoric-period cultural resources to occur on-site is low.

Implementation of the proposed project would include ground-disturbing activities such as surface grading and trenching for installation of on-site utilities infrastructure. Although the CHRIS search for the proposed project determined that the project site is not sensitive for cultural resources, consistent with the conclusions in the 2001 IS/MND, unknown resources could be encountered during grading and excavation activities associated with the proposed project. Accordingly, the proposed project would be required to comply with Mitigation Measure E from the 2001 IS/MND. The proposed project would not increase the potential to cause a substantial adverse change in the significance of a historical or archaeological resource or directly or indirectly destroy a unique paleontological resource. As such, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to cultural resources from what has been anticipated for the project site in the 2001 IS/MND.

<u>Transportation and Circulation</u>

The 2001 IS/MND addressed the potential impacts of build-out on the transportation and circulation system surrounding the project area, focusing specifically on the Level of Service (LOS) at the intersection of El Centro Road and Road A. The 2001 IS/MND used trip generation estimates based on land use from the NNCP which used the Institute of Transportation Engineers

(ITE) *Trip Generation, 6th Edition*. The results of the trip generation estimates indicated that the Cambay West PUD Project would generate traffic volumes less than were originally anticipated for the existing NNCP land uses. Based on the significant reduction in anticipated trips generated by the approved project, the 2001 IS/MND did not include detailed LOS analysis for the project area. The 2001 IS/MND concluded that the approved project would not result in any additional impacts relative to those analyzed for the project area in the NNCP EIR.

A traffic assessment was performed by the City of Sacramento Department of Public Works on December 5, 2018 in order to determine the potential impacts of the proposed project (see Appendix B). The traffic assessment analyzed the existing roadway system in the project vicinity, estimated trips for the proposed project, and provided conclusions and recommendations.

Del Paso Road to the north of the project site is a four-lane arterial road that currently carries 18,400 average daily trips (ADT) and is anticipated to be a six-lane arterial that will carry 21,400 ADT at LOS B at buildout of the 2035 General Plan. El Centro Road, to the west of the project site, is a four-lane arterial street that currently carried 8,100 ADT and is anticipated to carry 9,400 ADT at LOS A at buildout of the 2035 General Plan. The project site is located approximately 0.25-mile west of the I-5/Del Paso Road ramps and the I-5/Arena Boulevard Ramps. Table 4 below shows the current LOS for I-5 on- and off-ramps at Del Paso Road and Arena Boulevard. As shown in the table, the nearby freeway on ramps currently have acceptable levels of service.

Table 4
Freeway Ramp Level of Service 2018

Location	Intersection	AM Peak Hour 2018	PM Peak Hour 2018
I-5/Del Paso Road	I-5 NB off-ramp	B	B
	I-5 SB off-ramp	A	A
I-5/Arena Blvd	I-5 NB off-ramp	A	A
	I-5 SB off-ramp	A	A

Source: City of Sacramento Public Works, Hyatt House and Place Traffic Assessment, 2018 (see Appendix B).

As part of the traffic assessment, trip generation estimates were prepared for the previously approved and proposed project based on trip rates published in the Institute of Transportation Engineers *Trip Generation, 10th Edition, 2017.* Per the PUD, the project site is allowed a maximum of 10 percent retail support with a floor-to-area ratio of 50 percent. The existing zoning for the project site of EC-65 would be expected to generate approximately 1,632 new daily vehicle trips with 236 trips during the AM peak hour and 145 trips during the PM peak hour. Table 5 below shows the anticipated trips that would be generated with the site's existing zoning.

Table 5
Previously Approved Zoning Trip Generation

Land Use	Quantity	ITE Land Use Code	Trips						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Office Building, General	57,850 sf	710	624	70	11	81	11	57	68
Shopping Center	7,231 sf	820	1008	96	59	155	37	40	78
		Total Trips	**1632**	**166**	**70**	**236**	**48**	**97**	**145**

Source: City of Sacramento Public Works, Hyatt House and Place Traffic Assessment, 2018 (see Appendix B).

Trip generation estimates for the proposed project are shown in Table 6 below. As shown in the table, the proposed development of the project site with two hotels and a total of 201 rooms would be expected to generate approximately 1,842 new daily vehicle trips with 95 trips during the AM peak hour and 125 trips during the PM peak hour.

Table 6
Proposed Project Trip Generation

Land Use	Quantity	ITE Land Use Code	Trips						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Hotel	201 rooms	310	1842	56	39	95	64	61	125

Source: City of Sacramento Public Works, Hyatt House and Place Traffic Assessment, 2018 (see Appendix B).

Based on the information provided in the traffic assessment, the proposed operation of the hotel building would be expected to result in approximately 210 more new daily trips relative to what was previously anticipated for the project site. However, the proposed project would result in 141 fewer trips during the peak AM hour and 20 fewer trips during the peak PM hour relative to what is anticipated for the project site under the existing EC-65-PUD zoning. The traffic assessment concluded that the anticipated traffic generated by the proposed project would not be expected to result in any impacts to the transportation system in the project site vicinity. In addition, the proposed project would not degrade LOS as the nearby I-5/Del Paso Road freeway ramps.[3] Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to transportation from what has been anticipated for the project site in the 2001 IS/MND.

Remaining CEQA Sections

In addition to the impacts analyzed in the above discussions, the 2001 IS/MND also included analysis of land use and planning, population and housing, geology, water, energy and mineral resources, hazards, noise, public services, utilities and service systems, aesthetics, and recreation. Further details regarding the proposed project's effects on the aforementioned impact areas relative to those analyzed in the 2001 IS/MND are presented in order of appearance in the 2001 IS/MND and discussed in further detail below.

Land Use and Planning

The construction of a four-story hotel building associated with the proposed project would be consistent with adjacent land uses to the west and east of the project site. In addition, the proposed project would be consistent with the site's existing General Plan Land Use designation of Employment Center Mid-Rise. The proposed project would not result in the conversion of agricultural land not anticipated by the 2001 IS/MND and, because the project site is currently not used for agriculture, agricultural resources or operations would not be impacted by project implementation. Furthermore, the location of the project site in relation to existing development to the west, south, and east, and provision of on-site circulation infrastructure ensures that the proposed project would not disrupt or divide the physical arrangement of an established community. Thus, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts

[3] City of Sacramento Public Works. *Hyatt House and Place Draft Traffic Assessment*. December 5, 2018.

related to land use and planning from what has been anticipated for the project site in the 2001 IS/MND.

Population and Housing

The original Cambay West PUD Project did not include any residential land uses for the project site and, similarly, the proposed project would not introduce any such land uses. The proposed project would involve development consistent with the type, general location, and intensity of land uses anticipated for the site. Therefore, the proposed project would not result in any changes to the Cambay West PUD Project or 2001 IS/MND associated with population and housing.

Geology

The proposed project would involve development consistent with the type, general location, and intensity of land uses anticipated for the site. The proposed project would not involve any land uses or operations that would cause an increase in stormwater runoff or erosion levels beyond what was analyzed in the 2001 IS/MND. In addition, the City Planning and Building Department would require a site-specific soil analysis and engineering and seismic designs for the structures associated with the proposed project prior to issuance of building permits. Thus, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to geology from what has been anticipated for the project site in the 2001 IS/MND.

Water

At the time of analysis for the 2001 IS/MND, the project area was defined by the Federal Emergency Management Agency (FEMA) as being within Zone X, which is outside of a 100-year flood plain. However, in 2008, FEMA remapped the Natomas Basin area into a floodplain with an AE flood zone designation. The AE flood zone designation requires elevating or flood-proofing structures at or above the 100-year floodplain.[4] Following the 2008 re-mapping, the Flood Insurance Rate Map (FIRM) for the project area was again updated in June of 2015. The 2015 FIRM updated the status of the project area from Zone AE to Zone A99.[5] Zone A99 is used for areas subject to inundation by a 100-year flood event, but which will ultimately be protected upon completion of an under-construction federal flood protection system. As such, although the proposed project is currently within a 100-year flood event area, the Zone A99 designation confirms that significant progress has been made to increasing the flood protection rating to the 200-year flood protection standard sought for the entire City.[6]

The proposed project does not include housing and would be constructed in compliance with all relevant City regulations related to flood hazards and flood control. Compliance with City regulations and improvements to levee infrastructure would ensure that the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to water from what has been anticipated for the project site in the 2001 IS/MND.

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4 City of Sacramento. *Natomas Floodplain Remapping Update*. Available at http://www.cityofsacramento.org/Utilities/Education/Flood-Ready/Maps/Natomas-Remapping. Accessed March 2019.

5 Federal Emergency Management Agency. *Flood Insurance Rate Map, Map Number 06067C0045J*. June 16, 2015.

6 Federal Emergency Management Agency. *National Flood Insurance Program Regulations: Floodplain Management Criteria, Section 60.3*. June 1, 2000.

Public Services

The proposed project would include development of the project site with land uses similar to what was anticipated by the 2001 IS/MND and consistent with surrounding existing development. As such, the proposed project would not include any land uses which are significantly different than what was anticipated for the site, and the proposed project would generate similar demands on public services to what was anticipated for the area in the 2001 IS/MND as well as the NNCP. Additionally, the proposed project would be subject to compliance with the North Natomas Financing Plan, which provides funding for public services in the North Natomas area. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to public services from what has been anticipated for the project site in the 2001 IS/MND.

Utilities and Service Systems

The 2001 IS/MND determined that because development of the project site was anticipated in the Sacramento General Plan Update EIR, the Cambay West Project would not result in a significant impact to utilities and service systems. In addition, the IS/MND noted that development on the site would be subject to Sacramento City Code Chapter 17.72, which requires that new and existing developments submit a recycling program prior to the final plan check. Demands for utilities and service systems associated with the proposed hotel uses would be similar to demands previously anticipated for the site in the 2001 IS/MND. Based on information in the 2035 General Plan EIR and NNCP EIR, adequate capacity exists within wastewater, water, and solid waste utility infrastructure, and the proposed project would not create a significant change in demand from what was originally anticipated by the 2001 IS/MND. In addition, the proposed project would not be expected to require or result in the construction or expansion of existing utilities. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to utilities and service systems from what was anticipated for the project area in the 2001 IS/MND.

Energy and Mineral Resources

The proposed project would be similar to what was previously anticipated for the project site in the General Plan and would be conditioned to comply with or exceed the energy efficiency standards required by Title 24. The 2001 IS/MND concluded that, although the Cambay West Project would result in loss of natural resources associated with construction of the project, development of the site would not significantly accelerate the use of natural resources or deplete non-renewable resources. The hotel structure associated with the proposed project would be subject to Titles 20 and 24 of the California Code of Regulations, which reduce demand for electrical energy by implementing energy-efficient standards for residential and non-residential buildings. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to energy and mineral resources from what has been anticipated for the project site in the 2001 IS/MND.

Hazards

The 2001 IS/MND concluded that the approved project would result in a less-than-significant impact related to hazards, as future development would require disclosure statements to be filed with the Fire Department in the event that toxic or flammable materials are used or stored. The Fire Department would then prepare an emergency plan containing the locations of any toxic or

flammable materials. The proposed project includes the construction of a four-story hotel building and associated site improvements, such as a paved parking lot and landscaping elements. Typical hotel land uses do not involve the use or storage of hazardous substances such as oil, pesticides, chemicals, or radioactive substances. In addition, the project site is not on any list of identified hazardous sites. As such, the proposed project would not result in the creation of a potential health hazard, exposure of people to existing sources of potential health hazards, or an increase in fire hazard. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to hazards from what has been anticipated for the project site in the 2001 IS/MND.

Noise

The 2001 IS/MND determined that the approved project would not result in any short- or long-term significant increases in existing noise levels or exposure of people to severe noise levels. The primary sources of noise identified in the 2001 IS/MND were freeway noise from I-5 as well as future traffic noise. The proposed hotel use would result in similar levels of noise compared to existing hotel and commercial development adjacent to the project site. In addition, hotel use for the site would result in a similar level of noise relative to the commercial, mixed-use, and office space originally anticipated for the project site in the 2001 IS/MND. Furthermore, the proposed hotel use would be consistent with existing surrounding commercial, multi-family residential, and hotel development. It should be noted that the 2001 IS/MND included Mitigation Measure D, which required the construction of six-foot-tall sound barrier walls for low and medium density land uses adjacent to Duckhorn Boulevard. The proposed hotel use would not be considered a low or medium density land use. Thus, Mitigation Measure D from the 2001 IS/MND would not apply to the proposed project.

As discussed above in the Transportation and Circulation section of this Addendum, the proposed project would not result in a significant change in the amount of vehicle traffic relative to the approved project. As such, vehicle noise from the proposed project would remain similar to what was anticipated for the site in the 2001 IS/MND. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe impacts related to noise from what has been anticipated for the project site in the 2001 IS/MND.

Environmental Findings

Physical changes that have occurred throughout the Cambay West and Gateway West PUD area and in the vicinity of the proposed project site include construction of development consistent with the Cambay West PUD Project area, as well as infrastructure and roadways. The existing setting has not changed would not result in any substantial physical changes to the project site from what was anticipated in the 2001 IS/MND that would affect any issue of environmental significance.

Development of the proposed project would not result in any substantial changes from what has been previously analyzed and, thus, would not involve new significant impacts not identified in the 2001 IS/MND or result in a substantial increase in the severity of previously identified significant impacts. The proposal, therefore, does not constitute a substantial change in the project pursuant to Section 15162(a)(1) of the CEQA Guidelines.

As presented in the discussions above, the proposed project would not result in any changes, new significant information of substantial importance, new impacts or an increase the severity of

previously identified impacts associated with the above sections relative to the 2001 IS/MND. The feasibility of mitigation measures or alternatives previously identified would not be modified with implementation of the proposed project, and different mitigation measures or alternatives from those previously identified are not proposed or necessary as a result of the proposed project. The proposed project would be required to implement all applicable mitigation measures set forth in the 2001 IS/MND. Consequently, new information of substantial importance, which was not known and could not have been known at the time the previous CEQA documents were prepared, has not come to light from what has been previously analyzed.

Conclusion

As established in the discussions above regarding the potential effects of the proposed project, the proposed project would not result in any new significant information of substantial importance, new impacts, an increase in the severity of previously identified impacts, new mitigation measures, new or revised alternatives, or any other changes from what was identified for the original project in the 2001 IS/MND such that major revisions would be required. Therefore, the Community Development Department concludes that the analyses conducted and the conclusions reached in the 2001 IS/MND adopted on January 10, 2001 remain valid. As such, the proposed project would not result in any conditions identified in CEQA Guidelines Section 15162, and supplemental environmental review or a subsequent IS/MND is not required. The proposed project would be subject to all applicable previously required mitigation measures set forth in the 2001 IS/MND.

Based on the above analysis, this Addendum to the previously-adopted IS/MND for the project has been prepared.

APPENDIX A
CALEEMOD MODELING RESULTS

Hyatt House and Place Addendum

Sacramento Valley Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	163.00	Space	1.47	60,587.00	0
Hotel	201.00	Room	6.70	122,980.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	65
Climate Zone	6			**Operational Year**	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	404.84	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on SMUD RPS Caluculator

Land Use - Applicant Provided Information

Construction Phase - Applicant Provided Information

Grading - Applicant Provided Information

Vehicle Trips - Based on Trip Generation Report prepared by City of Sacramento Public Works

Energy Use -

Mobile Land Use Mitigation - Applicant Provided Information

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	308.00
tblConstructionPhase	NumDays	230.00	308.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	PhaseEndDate	3/26/2021	7/16/2021
tblConstructionPhase	PhaseEndDate	1/29/2021	7/2/2021
tblConstructionPhase	PhaseEndDate	3/13/2020	3/31/2020
tblConstructionPhase	PhaseEndDate	2/26/2021	4/28/2020
tblConstructionPhase	PhaseEndDate	2/14/2020	3/2/2020
tblConstructionPhase	PhaseStartDate	2/27/2021	5/13/2020
tblConstructionPhase	PhaseStartDate	3/14/2020	4/29/2020
tblConstructionPhase	PhaseStartDate	2/15/2020	3/3/2020
tblConstructionPhase	PhaseStartDate	1/30/2021	4/1/2020
tblGrading	AcresOfGrading	10.50	2.84
tblGrading	MaterialExported	0.00	11,869.00
tblGrading	MaterialExported	0.00	2,291.00
tblLandUse	LandUseSquareFeet	65,200.00	60,587.00
tblLandUse	LandUseSquareFeet	291,852.00	122,980.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	404.84
tblVehicleTrips	ST_TR	8.19	9.16
tblVehicleTrips	SU_TR	5.95	9.16
tblVehicleTrips	WD_TR	8.17	9.16

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					
2020	0.6553	3.2370	2.5437	5.5500e-003	0.3513	0.1549	0.5062	0.1655	0.1454	0.3108	0.0000	494.1897	494.1897	0.0864	0.0000	496.3501
2021	0.4336	1.4775	1.4246	2.9800e-003	0.0611	0.0703	0.1314	0.0165	0.0665	0.0831	0.0000	263.6000	263.6000	0.0418	0.0000	264.6457
Maximum	**0.6553**	**3.2370**	**2.5437**	**5.5500e-003**	**0.3513**	**0.1549**	**0.5062**	**0.1655**	**0.1454**	**0.3108**	**0.0000**	**494.1897**	**494.1897**	**0.0864**	**0.0000**	**496.3501**

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					
2020	0.6553	3.2370	2.5437	5.5500e-003	0.3513	0.1549	0.5062	0.1655	0.1454	0.3108	0.0000	494.1894	494.1894	0.0864	0.0000	496.3498
2021	0.4336	1.4775	1.4246	2.9800e-003	0.0611	0.0703	0.1314	0.0165	0.0665	0.0831	0.0000	263.5998	263.5998	0.0418	0.0000	264.6455
Maximum	**0.6553**	**3.2370**	**2.5437**	**5.5500e-003**	**0.3513**	**0.1549**	**0.5062**	**0.1655**	**0.1454**	**0.3108**	**0.0000**	**494.1894**	**494.1894**	**0.0864**	**0.0000**	**496.3498**

	ROG	**NOx**	**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)
1	**2-3-2020**	**5-2-2020**	1.1758	1.1758
2	**5-3-2020**	**8-2-2020**	1.0062	1.0062
3	**8-3-2020**	**11-2-2020**	1.0280	1.0280
4	**11-3-2020**	**2-2-2021**	1.0000	1.0000
5	**2-3-2021**	**5-2-2021**	0.9145	0.9145
6	**5-3-2021**	**8-2-2021**	0.6538	0.6538
		Highest	1.1758	1.1758

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	0.5424	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5000e-003	6.5000e-003	2.0000e-005	0.0000	6.9300e-003
Energy	0.0256	0.2325	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	478.3310	478.3310	0.0210	7.9800e-003	481.2332
Mobile	0.5242	3.2105	5.1606	0.0177	1.3055	0.0164	1.3219	0.3507	0.0154	0.3661	0.0000	1,632.3421	1,632.3421	0.0880	0.0000	1,634.5432
Waste						0.0000	0.0000		0.0000	0.0000	22.3392	0.0000	22.3392	1.3202	0.0000	55.3443
Water						0.0000	0.0000		0.0000	0.0000	1.6176	5.4304	7.0480	0.1665	4.0000e-003	12.4043
Total	**1.0921**	**3.4430**	**5.3592**	**0.0191**	**1.3055**	**0.0341**	**1.3396**	**0.3507**	**0.0331**	**0.3838**	**23.9568**	**2,116.1101**	**2,140.0668**	**1.5958**	**0.0120**	**2,183.5319**

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	0.5424	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5000e-003	6.5000e-003	2.0000e-005	0.0000	6.9300e-003
Energy	0.0256	0.2325	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	478.3310	478.3310	0.0210	7.9800e-003	481.2332
Mobile	0.5013	3.0170	4.6456	0.0155	1.1157	0.0145	1.1301	0.2997	0.0136	0.3133	0.0000	1,427.1683	1,427.1683	0.0815	0.0000	1,429.2063
Waste						0.0000	0.0000		0.0000	0.0000	22.3392	0.0000	22.3392	1.3202	0.0000	55.3443
Water						0.0000	0.0000		0.0000	0.0000	1.6176	5.4304	7.0480	0.1665	4.0000e-003	12.4043
Total	**1.0692**	**3.2496**	**4.8442**	**0.0169**	**1.1157**	**0.0321**	**1.1478**	**0.2997**	**0.0313**	**0.3310**	**23.9568**	**1,910.9362**	**1,934.8930**	**1.5893**	**0.0120**	**1,978.1950**

	ROG	NOx	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	**2.10**	**5.62**	**9.61**	**11.68**	**14.54**	**5.78**	**14.32**	**14.54**	**5.59**	**13.77**	**0.00**	**9.70**	**9.59**	**0.41**	**0.00**	**9.40**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/3/2020	3/2/2020	5	21	
2	Grading	Grading	3/3/2020	3/31/2020	5	21	
3	Building Construction	Building Construction	4/29/2020	7/2/2021	5	308	
4	Paving	Paving	4/1/2020	4/28/2020	5	20	
5	Architectural Coating	Architectural Coating	5/13/2020	7/16/2021	5	308	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.84

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 184,470; Non-Residential Outdoor: 61,490; Striped Parking Area: 3,635 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	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
Site Preparation	7	18.00	0.00	227.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,174.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	30.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

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					0.1897	0.0000	0.1897	0.1043	0.0000	0.1043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4454	0.2259	4.0000e-004		0.0231	0.0231		0.0212	0.0212	0.0000	35.1022	35.1022	0.0114	0.0000	35.3860
Total	**0.0428**	**0.4454**	**0.2259**	**4.0000e-004**	**0.1897**	**0.0231**	**0.2128**	**0.1043**	**0.0212**	**0.1255**	**0.0000**	**35.1022**	**35.1022**	**0.0114**	**0.0000**	**35.3860**

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	9.0000e-004	0.0318	5.3800e-003	9.0000e-005	1.9200e-003	1.2000e-004	2.0300e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	8.7024	8.7024	3.7000e-004	0.0000	8.7116
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	7.5000e-004	5.4000e-004	5.5900e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3302	1.3302	4.0000e-005	0.0000	1.3312
Total	**1.6500e-003**	**0.0323**	**0.0110**	**1.0000e-004**	**3.4100e-003**	**1.3000e-004**	**3.5300e-003**	**9.3000e-004**	**1.2000e-004**	**1.0500e-003**	**0.0000**	**10.0325**	**10.0325**	**4.1000e-004**	**0.0000**	**10.0428**

3.2 Site Preparation - 2020

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					0.1897	0.0000	0.1897	0.1043	0.0000	0.1043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4454	0.2259	4.0000e-004		0.0231	0.0231		0.0212	0.0212	0.0000	35.1022	35.1022	0.0114	0.0000	35.3860
Total	**0.0428**	**0.4454**	**0.2259**	**4.0000e-004**	**0.1897**	**0.0231**	**0.2128**	**0.1043**	**0.0212**	**0.1255**	**0.0000**	**35.1022**	**35.1022**	**0.0114**	**0.0000**	**35.3860**

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	9.0000e-004	0.0318	5.3800e-003	9.0000e-005	1.9200e-003	1.2000e-004	2.0300e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	8.7024	8.7024	3.7000e-004	0.0000	8.7116
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	7.5000e-004	5.4000e-004	5.5900e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3302	1.3302	4.0000e-005	0.0000	1.3312
Total	**1.6500e-003**	**0.0323**	**0.0110**	**1.0000e-004**	**3.4100e-003**	**1.3000e-004**	**3.5300e-003**	**9.3000e-004**	**1.2000e-004**	**1.0500e-003**	**0.0000**	**10.0325**	**10.0325**	**4.1000e-004**	**0.0000**	**10.0428**

3.3 Grading - 2020

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					0.0647	0.0000	0.0647	0.0349	0.0000	0.0349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0255	0.2771	0.1686	3.1000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	27.3617	27.3617	8.8500e-003	0.0000	27.5829
Total	**0.0255**	**0.2771**	**0.1686**	**3.1000e-004**	**0.0647**	**0.0134**	**0.0781**	**0.0349**	**0.0123**	**0.0472**	**0.0000**	**27.3617**	**27.3617**	**8.8500e-003**	**0.0000**	**27.5829**

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	4.6400e-003	0.1643	0.0278	4.7000e-004	9.9100e-003	6.1000e-004	0.0105	2.7300e-003	5.8000e-004	3.3100e-003	0.0000	45.0070	45.0070	1.9100e-003	0.0000	45.0548
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	6.2000e-004	4.5000e-004	4.6600e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.1085	1.1085	3.0000e-005	0.0000	1.1093
Total	**5.2600e-003**	**0.1647**	**0.0325**	**4.8000e-004**	**0.0112**	**6.2000e-004**	**0.0118**	**3.0600e-003**	**5.9000e-004**	**3.6500e-003**	**0.0000**	**46.1155**	**46.1155**	**1.9400e-003**	**0.0000**	**46.1641**

3.3 Grading - 2020

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					0.0647	0.0000	0.0647	0.0349	0.0000	0.0349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0255	0.2771	0.1686	3.1000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	27.3617	27.3617	8.8500e-003	0.0000	27.5829
Total	**0.0255**	**0.2771**	**0.1686**	**3.1000e-004**	**0.0647**	**0.0134**	**0.0781**	**0.0349**	**0.0123**	**0.0472**	**0.0000**	**27.3617**	**27.3617**	**8.8500e-003**	**0.0000**	**27.5829**

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	4.6400e-003	0.1643	0.0278	4.7000e-004	9.9100e-003	6.1000e-004	0.0105	2.7300e-003	5.8000e-004	3.3100e-003	0.0000	45.0070	45.0070	1.9100e-003	0.0000	45.0548
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	6.2000e-004	4.5000e-004	4.6600e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.1085	1.1085	3.0000e-005	0.0000	1.1093
Total	**5.2600e-003**	**0.1647**	**0.0325**	**4.8000e-004**	**0.0112**	**6.2000e-004**	**0.0118**	**3.0600e-003**	**5.9000e-004**	**3.6500e-003**	**0.0000**	**46.1155**	**46.1155**	**1.9400e-003**	**0.0000**	**46.1641**

3.4 Building Construction - 2020

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	0.1876	1.6980	1.4911	2.3800e-003		0.0989	0.0989		0.0930	0.0930	0.0000	204.9748	204.9748	0.0500	0.0000	206.2250
Total	**0.1876**	**1.6980**	**1.4911**	**2.3800e-003**		**0.0989**	**0.0989**		**0.0930**	**0.0930**	**0.0000**	**204.9748**	**204.9748**	**0.0500**	**0.0000**	**206.2250**

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	0.0107	0.3148	0.0722	7.5000e-004	0.0174	1.6200e-003	0.0190	5.0300e-003	1.5500e-003	6.5800e-003	0.0000	71.4244	71.4244	4.0100e-003	0.0000	71.5245
Worker	0.0269	0.0195	0.2016	5.3000e-004	0.0538	3.8000e-004	0.0542	0.0143	3.5000e-004	0.0147	0.0000	47.9601	47.9601	1.4200e-003	0.0000	47.9956
Total	**0.0376**	**0.3343**	**0.2738**	**1.2800e-003**	**0.0712**	**2.0000e-003**	**0.0732**	**0.0194**	**1.9000e-003**	**0.0213**	**0.0000**	**119.3844**	**119.3844**	**5.4300e-003**	**0.0000**	**119.5202**

3.4 Building Construction - 2020

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	0.1876	1.6980	1.4911	2.3800e-003		0.0989	0.0989		0.0930	0.0930	0.0000	204.9746	204.9746	0.0500	0.0000	206.2248
Total	**0.1876**	**1.6980**	**1.4911**	**2.3800e-003**		**0.0989**	**0.0989**		**0.0930**	**0.0930**	**0.0000**	**204.9746**	**204.9746**	**0.0500**	**0.0000**	**206.2248**

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	0.0107	0.3148	0.0722	7.5000e-004	0.0174	1.6200e-003	0.0190	5.0300e-003	1.5500e-003	6.5800e-003	0.0000	71.4244	71.4244	4.0100e-003	0.0000	71.5245
Worker	0.0269	0.0195	0.2016	5.3000e-004	0.0538	3.8000e-004	0.0542	0.0143	3.5000e-004	0.0147	0.0000	47.9601	47.9601	1.4200e-003	0.0000	47.9956
Total	**0.0376**	**0.3343**	**0.2738**	**1.2800e-003**	**0.0712**	**2.0000e-003**	**0.0732**	**0.0194**	**1.9000e-003**	**0.0213**	**0.0000**	**119.3844**	**119.3844**	**5.4300e-003**	**0.0000**	**119.5202**

3.4 Building Construction - 2021

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	0.1245	1.1418	1.0857	1.7600e-003		0.0628	0.0628		0.0590	0.0590	0.0000	151.7224	151.7224	0.0366	0.0000	152.6375
Total	**0.1245**	**1.1418**	**1.0857**	**1.7600e-003**		**0.0628**	**0.0628**		**0.0590**	**0.0590**	**0.0000**	**151.7224**	**151.7224**	**0.0366**	**0.0000**	**152.6375**

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	6.5000e-003	0.2124	0.0465	5.5000e-004	0.0129	5.9000e-004	0.0135	3.7300e-003	5.6000e-004	4.2900e-003	0.0000	52.4141	52.4141	2.8500e-003	0.0000	52.4855
Worker	0.0185	0.0129	0.1358	3.8000e-004	0.0398	2.8000e-004	0.0401	0.0106	2.5000e-004	0.0109	0.0000	34.2762	34.2762	9.4000e-004	0.0000	34.2997
Total	**0.0250**	**0.2253**	**0.1823**	**9.3000e-004**	**0.0527**	**8.7000e-004**	**0.0536**	**0.0143**	**8.1000e-004**	**0.0151**	**0.0000**	**86.6903**	**86.6903**	**3.7900e-003**	**0.0000**	**86.7851**

3.4 Building Construction - 2021

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	0.1245	1.1418	1.0857	1.7600e-003		0.0628	0.0628		0.0590	0.0590	0.0000	151.7222	151.7222	0.0366	0.0000	152.6373
Total	**0.1245**	**1.1418**	**1.0857**	**1.7600e-003**		**0.0628**	**0.0628**		**0.0590**	**0.0590**	**0.0000**	**151.7222**	**151.7222**	**0.0366**	**0.0000**	**152.6373**

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	6.5000e-003	0.2124	0.0465	5.5000e-004	0.0129	5.9000e-004	0.0135	3.7300e-003	5.6000e-004	4.2900e-003	0.0000	52.4141	52.4141	2.8500e-003	0.0000	52.4855
Worker	0.0185	0.0129	0.1358	3.8000e-004	0.0398	2.8000e-004	0.0401	0.0106	2.5000e-004	0.0109	0.0000	34.2762	34.2762	9.4000e-004	0.0000	34.2997
Total	**0.0250**	**0.2253**	**0.1823**	**9.3000e-004**	**0.0527**	**8.7000e-004**	**0.0536**	**0.0143**	**8.1000e-004**	**0.0151**	**0.0000**	**86.6903**	**86.6903**	**3.7900e-003**	**0.0000**	**86.7851**

3.5 Paving - 2020

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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0155**	**0.1407**	**0.1465**	**2.3000e-004**		**7.5300e-003**	**7.5300e-003**		**6.9300e-003**	**6.9300e-003**	**0.0000**	**20.0282**	**20.0282**	**6.4800e-003**	**0.0000**	**20.1902**

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	5.9000e-004	4.3000e-004	4.4400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0557	1.0557	3.0000e-005	0.0000	1.0565
Total	**5.9000e-004**	**4.3000e-004**	**4.4400e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0557**	**1.0557**	**3.0000e-005**	**0.0000**	**1.0565**

3.5 Paving - 2020

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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0155**	**0.1407**	**0.1465**	**2.3000e-004**		**7.5300e-003**	**7.5300e-003**		**6.9300e-003**	**6.9300e-003**	**0.0000**	**20.0282**	**20.0282**	**6.4800e-003**	**0.0000**	**20.1901**

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	5.9000e-004	4.3000e-004	4.4400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0557	1.0557	3.0000e-005	0.0000	1.0565
Total	**5.9000e-004**	**4.3000e-004**	**4.4400e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.0557**	**1.0557**	**3.0000e-005**	**0.0000**	**1.0565**

3.6 Architectural Coating - 2020

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	0.3136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.1406	0.1529	2.5000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	21.3197	21.3197	1.6500e-003	0.0000	21.3609
Total	**0.3339**	**0.1406**	**0.1529**	**2.5000e-004**		**9.2600e-003**	**9.2600e-003**		**9.2600e-003**	**9.2600e-003**	**0.0000**	**21.3197**	**21.3197**	**1.6500e-003**	**0.0000**	**21.3609**

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	4.9500e-003	3.5900e-003	0.0371	1.0000e-004	9.8900e-003	7.0000e-005	9.9600e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.8150	8.8150	2.6000e-004	0.0000	8.8216
Total	**4.9500e-003**	**3.5900e-003**	**0.0371**	**1.0000e-004**	**9.8900e-003**	**7.0000e-005**	**9.9600e-003**	**2.6300e-003**	**7.0000e-005**	**2.7000e-003**	**0.0000**	**8.8150**	**8.8150**	**2.6000e-004**	**0.0000**	**8.8216**

3.6 Architectural Coating - 2020

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	0.3136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.1406	0.1529	2.5000e-004		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	21.3196	21.3196	1.6500e-003	0.0000	21.3609
Total	**0.3339**	**0.1406**	**0.1529**	**2.5000e-004**		**9.2600e-003**	**9.2600e-003**		**9.2600e-003**	**9.2600e-003**	**0.0000**	**21.3196**	**21.3196**	**1.6500e-003**	**0.0000**	**21.3609**

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	4.9500e-003	3.5900e-003	0.0371	1.0000e-004	9.8900e-003	7.0000e-005	9.9600e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.8150	8.8150	2.6000e-004	0.0000	8.8216
Total	**4.9500e-003**	**3.5900e-003**	**0.0371**	**1.0000e-004**	**9.8900e-003**	**7.0000e-005**	**9.9600e-003**	**2.6300e-003**	**7.0000e-005**	**2.7000e-003**	**0.0000**	**8.8150**	**8.8150**	**2.6000e-004**	**0.0000**	**8.8216**

3.6 Architectural Coating - 2021

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	0.2648					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1076	0.1281	2.1000e-004		6.6300e-003	6.6300e-003		6.6300e-003	6.6300e-003	0.0000	18.0004	18.0004	1.2400e-003	0.0000	18.0313
Total	**0.2802**	**0.1076**	**0.1281**	**2.1000e-004**		**6.6300e-003**	**6.6300e-003**		**6.6300e-003**	**6.6300e-003**	**0.0000**	**18.0004**	**18.0004**	**1.2400e-003**	**0.0000**	**18.0313**

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	3.8700e-003	2.7000e-003	0.0285	8.0000e-005	8.3500e-003	6.0000e-005	8.4100e-003	2.2200e-003	5.0000e-005	2.2800e-003	0.0000	7.1869	7.1869	2.0000e-004	0.0000	7.1918
Total	**3.8700e-003**	**2.7000e-003**	**0.0285**	**8.0000e-005**	**8.3500e-003**	**6.0000e-005**	**8.4100e-003**	**2.2200e-003**	**5.0000e-005**	**2.2800e-003**	**0.0000**	**7.1869**	**7.1869**	**2.0000e-004**	**0.0000**	**7.1918**

3.6 Architectural Coating - 2021

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	0.2648					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1076	0.1281	2.1000e-004		6.6300e-003	6.6300e-003		6.6300e-003	6.6300e-003	0.0000	18.0004	18.0004	1.2400e-003	0.0000	18.0313
Total	**0.2802**	**0.1076**	**0.1281**	**2.1000e-004**		**6.6300e-003**	**6.6300e-003**		**6.6300e-003**	**6.6300e-003**	**0.0000**	**18.0004**	**18.0004**	**1.2400e-003**	**0.0000**	**18.0313**

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	3.8700e-003	2.7000e-003	0.0285	8.0000e-005	8.3500e-003	6.0000e-005	8.4100e-003	2.2200e-003	5.0000e-005	2.2800e-003	0.0000	7.1869	7.1869	2.0000e-004	0.0000	7.1918
Total	**3.8700e-003**	**2.7000e-003**	**0.0285**	**8.0000e-005**	**8.3500e-003**	**6.0000e-005**	**8.4100e-003**	**2.2200e-003**	**5.0000e-005**	**2.2800e-003**	**0.0000**	**7.1869**	**7.1869**	**2.0000e-004**	**0.0000**	**7.1918**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	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	0.5013	3.0170	4.6456	0.0155	1.1157	0.0145	1.1301	0.2997	0.0136	0.3133	0.0000	1,427.1683	1,427.1683	0.0815	0.0000	1,429.2063
Unmitigated	0.5242	3.2105	5.1606	0.0177	1.3055	0.0164	1.3219	0.3507	0.0154	0.3661	0.0000	1,632.3421	1,632.3421	0.0880	0.0000	1,634.5432

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,841.16	1,841.16	1841.16	3,498,077	2,989,491
Parking Lot	0.00	0.00	0.00		
Total	1,841.16	1,841.16	1,841.16	3,498,077	2,989,491

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.541953	0.036671	0.197425	0.116479	0.022488	0.005639	0.021973	0.046454	0.001649	0.001750	0.005772	0.000785	0.000960
Parking Lot	0.541953	0.036671	0.197425	0.116479	0.022488	0.005639	0.021973	0.046454	0.001649	0.001750	0.005772	0.000785	0.000960

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	225.2084	225.2084	0.0161	3.3400e-003	226.6064
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	225.2084	225.2084	0.0161	3.3400e-003	226.6064
NaturalGas Mitigated	0.0256	0.2325	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.1226	253.1226	4.8500e-003	4.6400e-003	254.6268
NaturalGas Unmitigated	0.0256	0.2325	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.1226	253.1226	4.8500e-003	4.6400e-003	254.6268

5.2 Energy by Land Use - NaturalGas

Unmitigated

	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					
Hotel	4.74334e+006	0.0256	0.2325	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.1226	253.1226	4.8500e-003	4.6400e-003	254.6268
Parking Lot	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
Total		**0.0256**	**0.2325**	**0.1953**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.1226**	**253.1226**	**4.8500e-003**	**4.6400e-003**	**254.6268**

Mitigated

	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					
Hotel	4.74334e+006	0.0256	0.2325	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.1226	253.1226	4.8500e-003	4.6400e-003	254.6268
Parking Lot	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
Total		**0.0256**	**0.2325**	**0.1953**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.1226**	**253.1226**	**4.8500e-003**	**4.6400e-003**	**254.6268**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.2052e+006	221.3144	0.0159	3.2800e-003	222.6882
Parking Lot	21205.4	3.8940	2.8000e-004	6.0000e-005	3.9182
Total		**225.2084**	**0.0161**	**3.3400e-003**	**226.6064**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.2052e+006	221.3144	0.0159	3.2800e-003	222.6882
Parking Lot	21205.4	3.8940	2.8000e-004	6.0000e-005	3.9182
Total		**225.2084**	**0.0161**	**3.3400e-003**	**226.6064**

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	0.5424	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5000e-003	6.5000e-003	2.0000e-005	0.0000	6.9300e-003
Unmitigated	0.5424	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5000e-003	6.5000e-003	2.0000e-005	0.0000	6.9300e-003

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	0.0578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4842					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5000e-003	6.5000e-003	2.0000e-005	0.0000	6.9300e-003
Total	**0.5424**	**3.0000e-005**	**3.3500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.5000e-003**	**6.5000e-003**	**2.0000e-005**	**0.0000**	**6.9300e-003**

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	0.0578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4842					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5000e-003	6.5000e-003	2.0000e-005	0.0000	6.9300e-003
Total	**0.5424**	**3.0000e-005**	**3.3500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.5000e-003**	**6.5000e-003**	**2.0000e-005**	**0.0000**	**6.9300e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.0480	0.1665	4.0000e-003	12.4043
Unmitigated	7.0480	0.1665	4.0000e-003	12.4043

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	5.09872 / 0.566525	7.0480	0.1665	4.0000e-003	12.4043
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**7.0480**	**0.1665**	**4.0000e-003**	**12.4043**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	5.09872 / 0.566525	7.0480	0.1665	4.0000e-003	12.4043
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**7.0480**	**0.1665**	**4.0000e-003**	**12.4043**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.3392	1.3202	0.0000	55.3443
Unmitigated	22.3392	1.3202	0.0000	55.3443

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	110.05	22.3392	1.3202	0.0000	55.3443
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**22.3392**	**1.3202**	**0.0000**	**55.3443**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	110.05	22.3392	1.3202	0.0000	55.3443
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**22.3392**	**1.3202**	**0.0000**	**55.3443**

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

Hyatt House and Place Addendum

Sacramento Valley Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	163.00	Space	1.47	60,587.00	0
Hotel	201.00	Room	6.70	122,980.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	65
Climate Zone	6			**Operational Year**	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	404.84	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on SMUD RPS Caluculator

Land Use - Applicant Provided Information

Construction Phase - Applicant Provided Information

Grading - Applicant Provided Information

Vehicle Trips - Based on Trip Generation Report prepared by City of Sacramento Public Works

Energy Use -

Mobile Land Use Mitigation - Applicant Provided Information

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	308.00
tblConstructionPhase	NumDays	230.00	308.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	PhaseEndDate	3/26/2021	7/16/2021
tblConstructionPhase	PhaseEndDate	1/29/2021	7/2/2021
tblConstructionPhase	PhaseEndDate	3/13/2020	3/31/2020
tblConstructionPhase	PhaseEndDate	2/26/2021	4/28/2020
tblConstructionPhase	PhaseEndDate	2/14/2020	3/2/2020
tblConstructionPhase	PhaseStartDate	2/27/2021	5/13/2020
tblConstructionPhase	PhaseStartDate	3/14/2020	4/29/2020
tblConstructionPhase	PhaseStartDate	2/15/2020	3/3/2020
tblConstructionPhase	PhaseStartDate	1/30/2021	4/1/2020
tblGrading	AcresOfGrading	10.50	2.84
tblGrading	MaterialExported	0.00	11,869.00
tblGrading	MaterialExported	0.00	2,291.00
tblLandUse	LandUseSquareFeet	65,200.00	60,587.00
tblLandUse	LandUseSquareFeet	291,852.00	122,980.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	404.84
tblVehicleTrips	ST_TR	8.19	9.16
tblVehicleTrips	SU_TR	5.95	9.16
tblVehicleTrips	WD_TR	8.17	9.16

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					
2020	6.6559	45.3982	22.6431	0.0762	18.4031	2.2095	20.6126	10.0217	2.0332	12.0549	0.0000	7,767.1348	7,767.1348	1.2338	0.0000	7,795.2751
2021	6.3618	22.3615	21.9736	0.0461	0.9589	1.0665	2.0254	0.2589	1.0084	1.2673	0.0000	4,490.6700	4,490.6700	0.7023	0.0000	4,508.2270
Maximum	**6.6559**	**45.3982**	**22.6431**	**0.0762**	**18.4031**	**2.2095**	**20.6126**	**10.0217**	**2.0332**	**12.0549**	**0.0000**	**7,767.1348**	**7,767.1348**	**1.2338**	**0.0000**	**7,795.2751**

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					
2020	6.6559	45.3982	22.6431	0.0762	18.4031	2.2095	20.6126	10.0217	2.0332	12.0549	0.0000	7,767.1348	7,767.1348	1.2338	0.0000	7,795.2751
2021	6.3618	22.3615	21.9736	0.0461	0.9589	1.0665	2.0254	0.2589	1.0084	1.2673	0.0000	4,490.6700	4,490.6700	0.7023	0.0000	4,508.2269
Maximum	**6.6559**	**45.3982**	**22.6431**	**0.0762**	**18.4031**	**2.2095**	**20.6126**	**10.0217**	**2.0332**	**12.0549**	**0.0000**	**7,767.1348**	**7,767.1348**	**1.2338**	**0.0000**	**7,795.2751**

	ROG	**NOx**	**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	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Energy	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Mobile	3.6519	17.2427	30.8713	0.1043	7.4557	0.0894	7.5451	1.9963	0.0840	2.0803		10,596.0447	10,596.0447	0.5334		10,609.3783
Total	**6.7657**	**18.5171**	**31.9787**	**0.1120**	**7.4557**	**0.1864**	**7.6421**	**1.9963**	**0.1809**	**2.1773**		**12,125.0006**	**12,125.0006**	**0.5629**	**0.0280**	**12,147.4249**

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	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Energy	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Mobile	3.5201	16.2533	27.4471	0.0911	6.3717	0.0786	6.4503	1.7061	0.0738	1.7799		9,259.6944	9,259.6944	0.4910		9,271.9685
Total	**6.6339**	**17.5277**	**28.5545**	**0.0988**	**6.3717**	**0.1755**	**6.5473**	**1.7061**	**0.1707**	**1.8768**		**10,788.6503**	**10,788.6503**	**0.5205**	**0.0280**	**10,810.0150**

	ROG	NOx	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	**1.95**	**5.34**	**10.71**	**11.79**	**14.54**	**5.81**	**14.33**	**14.54**	**5.62**	**13.80**	**0.00**	**11.02**	**11.02**	**7.53**	**0.00**	**11.01**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/3/2020	3/2/2020	5	21	
2	Grading	Grading	3/3/2020	3/31/2020	5	21	
3	Building Construction	Building Construction	4/29/2020	7/2/2021	5	308	
4	Paving	Paving	4/1/2020	4/28/2020	5	20	
5	Architectural Coating	Architectural Coating	5/13/2020	7/16/2021	5	308	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.84

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 184,470; Non-Residential Outdoor: 61,490; Striped Parking Area: 3,635 (Architectural Coating – sqft)

OffRoad Equipment

Hyatt House and Place Addendum - Sacramento Valley Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	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
Site Preparation	7	18.00	0.00	227.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,174.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	30.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.0843	2.9342	0.4903	8.7500e-003	0.1889	0.0111	0.2000	0.0518	0.0106	0.0624		921.5169	921.5169	0.0373		922.4485
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
Worker	0.0821	0.0467	0.6267	1.5500e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		154.4914	154.4914	4.6600e-003		154.6078
Total	**0.1664**	**2.9808**	**1.1170**	**0.0103**	**0.3368**	**0.0121**	**0.3489**	**0.0910**	**0.0116**	**0.1026**		**1,076.0083**	**1,076.0083**	**0.0419**		**1,077.0563**

3.2 Site Preparation - 2020

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.0843	2.9342	0.4903	8.7500e-003	0.1889	0.0111	0.2000	0.0518	0.0106	0.0624		921.5169	921.5169	0.0373		922.4485
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
Worker	0.0821	0.0467	0.6267	1.5500e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		154.4914	154.4914	4.6600e-003		154.6078
Total	**0.1664**	**2.9808**	**1.1170**	**0.0103**	**0.3368**	**0.0121**	**0.3489**	**0.0910**	**0.0116**	**0.1026**		**1,076.0083**	**1,076.0083**	**0.0419**		**1,077.0563**

3.3 Grading - 2020

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					6.1655	0.0000	6.1655	3.3257	0.0000	3.3257			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.1655**	**1.2734**	**7.4389**	**3.3257**	**1.1716**	**4.4973**		**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

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	0.4359	15.1750	2.5357	0.0452	0.9771	0.0574	1.0345	0.2678	0.0549	0.3227		4,765.9069	4,765.9069	0.1927		4,770.7247
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
Worker	0.0684	0.0389	0.5223	1.2900e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		128.7428	128.7428	3.8800e-003		128.8398
Total	**0.5043**	**15.2139**	**3.0579**	**0.0465**	**1.1003**	**0.0583**	**1.1585**	**0.3004**	**0.0557**	**0.3562**		**4,894.6497**	**4,894.6497**	**0.1966**		**4,899.5645**

3.3 Grading - 2020

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					6.1655	0.0000	6.1655	3.3257	0.0000	3.3257			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.1655**	**1.2734**	**7.4389**	**3.3257**	**1.1716**	**4.4973**	**0.0000**	**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

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	0.4359	15.1750	2.5357	0.0452	0.9771	0.0574	1.0345	0.2678	0.0549	0.3227		4,765.9069	4,765.9069	0.1927		4,770.7247
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
Worker	0.0684	0.0389	0.5223	1.2900e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		128.7428	128.7428	3.8800e-003		128.8398
Total	**0.5043**	**15.2139**	**3.0579**	**0.0465**	**1.1003**	**0.0583**	**1.1585**	**0.3004**	**0.0557**	**0.3562**		**4,894.6497**	**4,894.6497**	**0.1966**		**4,899.5645**

3.4 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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
Vendor	0.1183	3.4888	0.7600	8.5900e-003	0.2031	0.0181	0.2212	0.0585	0.0173	0.0758		900.9410	900.9410	0.0476		902.1308
Worker	0.3511	0.1996	2.6809	6.6400e-003	0.6325	4.3500e-003	0.6369	0.1678	4.0100e-003	0.1718		660.8797	660.8797	0.0199		661.3778
Total	**0.4694**	**3.6884**	**3.4409**	**0.0152**	**0.8357**	**0.0224**	**0.8581**	**0.2263**	**0.0213**	**0.2475**		**1,561.8208**	**1,561.8208**	**0.0675**		**1,563.5086**

3.4 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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
Vendor	0.1183	3.4888	0.7600	8.5900e-003	0.2031	0.0181	0.2212	0.0585	0.0173	0.0758		900.9410	900.9410	0.0476		902.1308
Worker	0.3511	0.1996	2.6809	6.6400e-003	0.6325	4.3500e-003	0.6369	0.1678	4.0100e-003	0.1718		660.8797	660.8797	0.0199		661.3778
Total	**0.4694**	**3.6884**	**3.4409**	**0.0152**	**0.8357**	**0.0224**	**0.8581**	**0.2263**	**0.0213**	**0.2475**		**1,561.8208**	**1,561.8208**	**0.0675**		**1,563.5086**

3.4 Building Construction - 2021

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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
Vendor	0.0973	3.1896	0.6576	8.5100e-003	0.2031	8.7400e-003	0.2118	0.0585	8.3600e-003	0.0668		893.3755	893.3755	0.0457		894.5182
Worker	0.3252	0.1783	2.4467	6.4100e-003	0.6325	4.2200e-003	0.6368	0.1678	3.8900e-003	0.1717		638.1647	638.1647	0.0178		638.6092
Total	**0.4225**	**3.3678**	**3.1043**	**0.0149**	**0.8356**	**0.0130**	**0.8486**	**0.2262**	**0.0123**	**0.2385**		**1,531.5403**	**1,531.5403**	**0.0635**		**1,533.1274**

3.4 Building Construction - 2021

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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
Vendor	0.0973	3.1896	0.6576	8.5100e-003	0.2031	8.7400e-003	0.2118	0.0585	8.3600e-003	0.0668		893.3755	893.3755	0.0457		894.5182
Worker	0.3252	0.1783	2.4467	6.4100e-003	0.6325	4.2200e-003	0.6368	0.1678	3.8900e-003	0.1717		638.1647	638.1647	0.0178		638.6092
Total	**0.4225**	**3.3678**	**3.1043**	**0.0149**	**0.8356**	**0.0130**	**0.8486**	**0.2262**	**0.0123**	**0.2385**		**1,531.5403**	**1,531.5403**	**0.0635**		**1,533.1274**

3.5 Paving - 2020

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5491**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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
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
Worker	0.0684	0.0389	0.5223	1.2900e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		128.7428	128.7428	3.8800e-003		128.8398
Total	**0.0684**	**0.0389**	**0.5223**	**1.2900e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**128.7428**	**128.7428**	**3.8800e-003**		**128.8398**

3.5 Paving - 2020

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5491**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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
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
Worker	0.0684	0.0389	0.5223	1.2900e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		128.7428	128.7428	3.8800e-003		128.8398
Total	**0.0684**	**0.0389**	**0.5223**	**1.2900e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**128.7428**	**128.7428**	**3.8800e-003**		**128.8398**

3.6 Architectural Coating - 2020

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**3.9983**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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
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
Worker	0.0684	0.0389	0.5223	1.2900e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		128.7428	128.7428	3.8800e-003		128.8398
Total	**0.0684**	**0.0389**	**0.5223**	**1.2900e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**128.7428**	**128.7428**	**3.8800e-003**		**128.8398**

3.6 Architectural Coating - 2020

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**3.9983**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

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
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
Worker	0.0684	0.0389	0.5223	1.2900e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		128.7428	128.7428	3.8800e-003		128.8398
Total	**0.0684**	**0.0389**	**0.5223**	**1.2900e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**128.7428**	**128.7428**	**3.8800e-003**		**128.8398**

3.6 Architectural Coating - 2021

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**3.9750**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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
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
Worker	0.0634	0.0347	0.4766	1.2500e-003	0.1232	8.2000e-004	0.1240	0.0327	7.6000e-004	0.0334		124.3178	124.3178	3.4600e-003		124.4044
Total	**0.0634**	**0.0347**	**0.4766**	**1.2500e-003**	**0.1232**	**8.2000e-004**	**0.1240**	**0.0327**	**7.6000e-004**	**0.0334**		**124.3178**	**124.3178**	**3.4600e-003**		**124.4044**

3.6 Architectural Coating - 2021

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**3.9750**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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
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
Worker	0.0634	0.0347	0.4766	1.2500e-003	0.1232	8.2000e-004	0.1240	0.0327	7.6000e-004	0.0334		124.3178	124.3178	3.4600e-003		124.4044
Total	**0.0634**	**0.0347**	**0.4766**	**1.2500e-003**	**0.1232**	**8.2000e-004**	**0.1240**	**0.0327**	**7.6000e-004**	**0.0334**		**124.3178**	**124.3178**	**3.4600e-003**		**124.4044**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	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	3.5201	16.2533	27.4471	0.0911	6.3717	0.0786	6.4503	1.7061	0.0738	1.7799		9,259.6944	9,259.6944	0.4910		9,271.9685
Unmitigated	3.6519	17.2427	30.8713	0.1043	7.4557	0.0894	7.5451	1.9963	0.0840	2.0803		10,596.0447	10,596.0447	0.5334		10,609.3783

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,841.16	1,841.16	1841.16	3,498,077	2,989,491
Parking Lot	0.00	0.00	0.00		
Total	1,841.16	1,841.16	1,841.16	3,498,077	2,989,491

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.541953	0.036671	0.197425	0.116479	0.022488	0.005639	0.021973	0.046454	0.001649	0.001750	0.005772	0.000785	0.000960
Parking Lot	0.541953	0.036671	0.197425	0.116479	0.022488	0.005639	0.021973	0.046454	0.001649	0.001750	0.005772	0.000785	0.000960

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	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
NaturalGas Unmitigated	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616

5.2 Energy by Land Use - NaturalGas

Unmitigated

	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					
Hotel	12995.4	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Parking Lot	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
Total		**0.1402**	**1.2741**	**1.0702**	**7.6400e-003**		**0.0968**	**0.0968**		**0.0968**	**0.0968**		**1,528.8763**	**1,528.8763**	**0.0293**	**0.0280**	**1,537.9616**

Mitigated

	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					
Hotel	12.9954	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Parking Lot	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
Total		**0.1402**	**1.2741**	**1.0702**	**7.6400e-003**		**0.0968**	**0.0968**		**0.0968**	**0.0968**		**1,528.8763**	**1,528.8763**	**0.0293**	**0.0280**	**1,537.9616**

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	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Unmitigated	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849

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	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6532					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4600e-003	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Total	**2.9736**	**3.4000e-004**	**0.0372**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0797**	**0.0797**	**2.1000e-004**		**0.0849**

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	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6532					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4600e-003	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Total	**2.9736**	**3.4000e-004**	**0.0372**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0797**	**0.0797**	**2.1000e-004**		**0.0849**

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

Hyatt House and Place Addendum

Sacramento Valley Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	163.00	Space	1.47	60,587.00	0
Hotel	201.00	Room	6.70	122,980.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	65
Climate Zone	6			**Operational Year**	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	404.84	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on SMUD RPS Caluculator

Land Use - Applicant Provided Information

Construction Phase - Applicant Provided Information

Grading - Applicant Provided Information

Vehicle Trips - Based on Trip Generation Report prepared by City of Sacramento Public Works

Energy Use -

Mobile Land Use Mitigation - Applicant Provided Information

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	308.00
tblConstructionPhase	NumDays	230.00	308.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	PhaseEndDate	3/26/2021	7/16/2021
tblConstructionPhase	PhaseEndDate	1/29/2021	7/2/2021
tblConstructionPhase	PhaseEndDate	3/13/2020	3/31/2020
tblConstructionPhase	PhaseEndDate	2/26/2021	4/28/2020
tblConstructionPhase	PhaseEndDate	2/14/2020	3/2/2020
tblConstructionPhase	PhaseStartDate	2/27/2021	5/13/2020
tblConstructionPhase	PhaseStartDate	3/14/2020	4/29/2020
tblConstructionPhase	PhaseStartDate	2/15/2020	3/3/2020
tblConstructionPhase	PhaseStartDate	1/30/2021	4/1/2020
tblGrading	AcresOfGrading	10.50	2.84
tblGrading	MaterialExported	0.00	11,869.00
tblGrading	MaterialExported	0.00	2,291.00
tblLandUse	LandUseSquareFeet	65,200.00	60,587.00
tblLandUse	LandUseSquareFeet	291,852.00	122,980.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	404.84
tblVehicleTrips	ST_TR	8.19	9.16
tblVehicleTrips	SU_TR	5.95	9.16
tblVehicleTrips	WD_TR	8.17	9.16

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					
2020	6.6311	45.5121	22.5981	0.0751	18.4031	2.2099	20.6129	10.0217	2.0335	12.0552	0.0000	7,653.8589	7,653.8589	1.2370	0.0000	7,682.4758
2021	6.3392	22.4581	21.6729	0.0449	0.9589	1.0670	2.0258	0.2589	1.0088	1.2678	0.0000	4,370.8341	4,370.8341	0.7051	0.0000	4,388.4624
Maximum	**6.6311**	**45.5121**	**22.5981**	**0.0751**	**18.4031**	**2.2099**	**20.6129**	**10.0217**	**2.0335**	**12.0552**	**0.0000**	**7,653.8589**	**7,653.8589**	**1.2370**	**0.0000**	**7,682.4758**

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					
2020	6.6311	45.5121	22.5981	0.0751	18.4031	2.2099	20.6129	10.0217	2.0335	12.0552	0.0000	7,653.8589	7,653.8589	1.2370	0.0000	7,682.4758
2021	6.3392	22.4581	21.6729	0.0449	0.9589	1.0670	2.0258	0.2589	1.0088	1.2678	0.0000	4,370.8341	4,370.8341	0.7051	0.0000	4,388.4624
Maximum	**6.6311**	**45.5121**	**22.5981**	**0.0751**	**18.4031**	**2.2099**	**20.6129**	**10.0217**	**2.0335**	**12.0552**	**0.0000**	**7,653.8589**	**7,653.8589**	**1.2370**	**0.0000**	**7,682.4758**

	ROG	**NOx**	**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	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Energy	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Mobile	2.7303	17.8619	29.9952	0.0948	7.4557	0.0917	7.5474	1.9963	0.0862	2.0825		9,640.0230	9,640.0230	0.5557		9,653.9151
Total	**5.8441**	**19.1363**	**31.1027**	**0.1025**	**7.4557**	**0.1887**	**7.6444**	**1.9963**	**0.1831**	**2.1795**		**11,168.9789**	**11,168.9789**	**0.5852**	**0.0280**	**11,191.9616**

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	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Energy	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Mobile	2.6041	16.7506	27.2345	0.0828	6.3717	0.0809	6.4526	1.7061	0.0760	1.7821		8,420.6706	8,420.6706	0.5167		8,433.5870
Total	**5.7179**	**18.0250**	**28.3420**	**0.0905**	**6.3717**	**0.1779**	**6.5496**	**1.7061**	**0.1730**	**1.8791**		**9,949.6265**	**9,949.6265**	**0.5462**	**0.0280**	**9,971.6336**

	ROG	NOx	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	**2.16**	**5.81**	**8.88**	**11.72**	**14.54**	**5.73**	**14.32**	**14.54**	**5.55**	**13.78**	**0.00**	**10.92**	**10.92**	**6.67**	**0.00**	**10.90**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/3/2020	3/2/2020	5	21	
2	Grading	Grading	3/3/2020	3/31/2020	5	21	
3	Building Construction	Building Construction	4/29/2020	7/2/2021	5	308	
4	Paving	Paving	4/1/2020	4/28/2020	5	20	
5	Architectural Coating	Architectural Coating	5/13/2020	7/16/2021	5	308	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.84

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 184,470; Non-Residential Outdoor: 61,490; Striped Parking Area: 3,635 (Architectural Coating – sqft)

OffRoad Equipment

Hyatt House and Place Addendum - Sacramento Valley Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	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
Site Preparation	7	18.00	0.00	227.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,174.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	30.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.0873	3.0369	0.5468	8.5700e-003	0.1889	0.0114	0.2003	0.0518	0.0109	0.0627		902.6497	902.6497	0.0410		903.6757
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
Worker	0.0760	0.0578	0.5377	1.3600e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		135.6533	135.6533	4.0900e-003		135.7556
Total	**0.1633**	**3.0947**	**1.0845**	**9.9300e-003**	**0.3368**	**0.0124**	**0.3492**	**0.0910**	**0.0119**	**0.1029**		**1,038.3030**	**1,038.3030**	**0.0451**		**1,039.4313**

3.2 Site Preparation - 2020

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.0873	3.0369	0.5468	8.5700e-003	0.1889	0.0114	0.2003	0.0518	0.0109	0.0627		902.6497	902.6497	0.0410		903.6757
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
Worker	0.0760	0.0578	0.5377	1.3600e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		135.6533	135.6533	4.0900e-003		135.7556
Total	**0.1633**	**3.0947**	**1.0845**	**9.9300e-003**	**0.3368**	**0.0124**	**0.3492**	**0.0910**	**0.0119**	**0.1029**		**1,038.3030**	**1,038.3030**	**0.0451**		**1,039.4313**

3.3 Grading - 2020

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					6.1655	0.0000	6.1655	3.3257	0.0000	3.3257			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.1655**	**1.2734**	**7.4389**	**3.3257**	**1.1716**	**4.4973**		**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

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	0.4516	15.7065	2.8279	0.0443	0.9771	0.0591	1.0361	0.2678	0.0565	0.3243		4,668.3294	4,668.3294	0.2122		4,673.6355
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
Worker	0.0633	0.0482	0.4481	1.1400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		113.0444	113.0444	3.4100e-003		113.1297
Total	**0.5150**	**15.7546**	**3.2760**	**0.0455**	**1.1003**	**0.0599**	**1.1602**	**0.3004**	**0.0573**	**0.3577**		**4,781.3738**	**4,781.3738**	**0.2157**		**4,786.7652**

3.3 Grading - 2020

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					6.1655	0.0000	6.1655	3.3257	0.0000	3.3257			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.1655**	**1.2734**	**7.4389**	**3.3257**	**1.1716**	**4.4973**	**0.0000**	**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

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	0.4516	15.7065	2.8279	0.0443	0.9771	0.0591	1.0361	0.2678	0.0565	0.3243		4,668.3294	4,668.3294	0.2122		4,673.6355
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
Worker	0.0633	0.0482	0.4481	1.1400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		113.0444	113.0444	3.4100e-003		113.1297
Total	**0.5150**	**15.7546**	**3.2760**	**0.0455**	**1.1003**	**0.0599**	**1.1602**	**0.3004**	**0.0573**	**0.3577**		**4,781.3738**	**4,781.3738**	**0.2157**		**4,786.7652**

3.4 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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
Vendor	0.1246	3.5529	0.8955	8.3300e-003	0.2031	0.0186	0.2217	0.0585	0.0178	0.0763		874.0102	874.0102	0.0532		875.3396
Worker	0.3251	0.2473	2.3003	5.8300e-003	0.6325	4.3500e-003	0.6369	0.1678	4.0100e-003	0.1718		580.2945	580.2945	0.0175		580.7322
Total	**0.4497**	**3.8001**	**3.1958**	**0.0142**	**0.8357**	**0.0229**	**0.8586**	**0.2263**	**0.0218**	**0.2480**		**1,454.3047**	**1,454.3047**	**0.0707**		**1,456.0718**

3.4 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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
Vendor	0.1246	3.5529	0.8955	8.3300e-003	0.2031	0.0186	0.2217	0.0585	0.0178	0.0763		874.0102	874.0102	0.0532		875.3396
Worker	0.3251	0.2473	2.3003	5.8300e-003	0.6325	4.3500e-003	0.6369	0.1678	4.0100e-003	0.1718		580.2945	580.2945	0.0175		580.7322
Total	**0.4497**	**3.8001**	**3.1958**	**0.0142**	**0.8357**	**0.0229**	**0.8586**	**0.2263**	**0.0218**	**0.2480**		**1,454.3047**	**1,454.3047**	**0.0707**		**1,456.0718**

3.4 Building Construction - 2021

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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
Vendor	0.1031	3.2355	0.7828	8.2600e-003	0.2031	9.2000e-003	0.2123	0.0585	8.8000e-003	0.0673		866.5078	866.5078	0.0512		867.7873
Worker	0.3015	0.2207	2.0902	5.6300e-003	0.6325	4.2200e-003	0.6368	0.1678	3.8900e-003	0.1717		560.3543	560.3543	0.0156		560.7441
Total	**0.4046**	**3.4561**	**2.8730**	**0.0139**	**0.8356**	**0.0134**	**0.8491**	**0.2262**	**0.0127**	**0.2389**		**1,426.8622**	**1,426.8622**	**0.0668**		**1,428.5313**

3.4 Building Construction - 2021

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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
Vendor	0.1031	3.2355	0.7828	8.2600e-003	0.2031	9.2000e-003	0.2123	0.0585	8.8000e-003	0.0673		866.5078	866.5078	0.0512		867.7873
Worker	0.3015	0.2207	2.0902	5.6300e-003	0.6325	4.2200e-003	0.6368	0.1678	3.8900e-003	0.1717		560.3543	560.3543	0.0156		560.7441
Total	**0.4046**	**3.4561**	**2.8730**	**0.0139**	**0.8356**	**0.0134**	**0.8491**	**0.2262**	**0.0127**	**0.2389**		**1,426.8622**	**1,426.8622**	**0.0668**		**1,428.5313**

3.5 Paving - 2020

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5491**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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
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
Worker	0.0633	0.0482	0.4481	1.1400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		113.0444	113.0444	3.4100e-003		113.1297
Total	**0.0633**	**0.0482**	**0.4481**	**1.1400e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**113.0444**	**113.0444**	**3.4100e-003**		**113.1297**

3.5 Paving - 2020

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5491**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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
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
Worker	0.0633	0.0482	0.4481	1.1400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		113.0444	113.0444	3.4100e-003		113.1297
Total	**0.0633**	**0.0482**	**0.4481**	**1.1400e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**113.0444**	**113.0444**	**3.4100e-003**		**113.1297**

3.6 Architectural Coating - 2020

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**3.9983**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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
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
Worker	0.0633	0.0482	0.4481	1.1400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		113.0444	113.0444	3.4100e-003		113.1297
Total	**0.0633**	**0.0482**	**0.4481**	**1.1400e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**113.0444**	**113.0444**	**3.4100e-003**		**113.1297**

3.6 Architectural Coating - 2020

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**3.9983**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

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
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
Worker	0.0633	0.0482	0.4481	1.1400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		113.0444	113.0444	3.4100e-003		113.1297
Total	**0.0633**	**0.0482**	**0.4481**	**1.1400e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.8000e-004**	**0.0335**		**113.0444**	**113.0444**	**3.4100e-003**		**113.1297**

3.6 Architectural Coating - 2021

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**3.9750**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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
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
Worker	0.0587	0.0430	0.4072	1.1000e-003	0.1232	8.2000e-004	0.1240	0.0327	7.6000e-004	0.0334		109.1599	109.1599	3.0400e-003		109.2359
Total	**0.0587**	**0.0430**	**0.4072**	**1.1000e-003**	**0.1232**	**8.2000e-004**	**0.1240**	**0.0327**	**7.6000e-004**	**0.0334**		**109.1599**	**109.1599**	**3.0400e-003**		**109.2359**

3.6 Architectural Coating - 2021

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	3.7561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**3.9750**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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
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
Worker	0.0587	0.0430	0.4072	1.1000e-003	0.1232	8.2000e-004	0.1240	0.0327	7.6000e-004	0.0334		109.1599	109.1599	3.0400e-003		109.2359
Total	**0.0587**	**0.0430**	**0.4072**	**1.1000e-003**	**0.1232**	**8.2000e-004**	**0.1240**	**0.0327**	**7.6000e-004**	**0.0334**		**109.1599**	**109.1599**	**3.0400e-003**		**109.2359**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	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	2.6041	16.7506	27.2345	0.0828	6.3717	0.0809	6.4526	1.7061	0.0760	1.7821		8,420.6706	8,420.6706	0.5167		8,433.5870
Unmitigated	2.7303	17.8619	29.9952	0.0948	7.4557	0.0917	7.5474	1.9963	0.0862	2.0825		9,640.0230	9,640.0230	0.5557		9,653.9151

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,841.16	1,841.16	1841.16	3,498,077	2,989,491
Parking Lot	0.00	0.00	0.00		
Total	1,841.16	1,841.16	1,841.16	3,498,077	2,989,491

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.541953	0.036671	0.197425	0.116479	0.022488	0.005639	0.021973	0.046454	0.001649	0.001750	0.005772	0.000785	0.000960
Parking Lot	0.541953	0.036671	0.197425	0.116479	0.022488	0.005639	0.021973	0.046454	0.001649	0.001750	0.005772	0.000785	0.000960

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	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
NaturalGas Unmitigated	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616

5.2 Energy by Land Use - NaturalGas

Unmitigated

	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					
Hotel	12995.4	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Parking Lot	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
Total		**0.1402**	**1.2741**	**1.0702**	**7.6400e-003**		**0.0968**	**0.0968**		**0.0968**	**0.0968**		**1,528.8763**	**1,528.8763**	**0.0293**	**0.0280**	**1,537.9616**

Mitigated

	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					
Hotel	12.9954	0.1402	1.2741	1.0702	7.6400e-003		0.0968	0.0968		0.0968	0.0968		1,528.8763	1,528.8763	0.0293	0.0280	1,537.9616
Parking Lot	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
Total		**0.1402**	**1.2741**	**1.0702**	**7.6400e-003**		**0.0968**	**0.0968**		**0.0968**	**0.0968**		**1,528.8763**	**1,528.8763**	**0.0293**	**0.0280**	**1,537.9616**

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	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Unmitigated	2.9737	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849

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	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6532					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4600e-003	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Total	**2.9736**	**3.4000e-004**	**0.0372**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0797**	**0.0797**	**2.1000e-004**		**0.0849**

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	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6532					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4600e-003	3.4000e-004	0.0372	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0797	0.0797	2.1000e-004		0.0849
Total	**2.9736**	**3.4000e-004**	**0.0372**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0797**	**0.0797**	**2.1000e-004**		**0.0849**

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

Hyatt House and Place Addendum

Sacramento Valley Air Basin, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	3.56500E-002	2.48240E-001	2.81060E-001	4.60000E-004	1.59000E-002	1.59000E-002	0.00000E+000	3.93201E+001	3.93201E+001	2.89000E-003	0.00000E+000	3.93923E+001
Cranes	5.87700E-002	6.95430E-001	2.77450E-001	7.80000E-004	2.85000E-002	2.62200E-002	0.00000E+000	6.83056E+001	6.83056E+001	2.20900E-002	0.00000E+000	6.88578E+001
Excavators	2.57000E-003	2.53300E-002	3.43100E-002	5.00000E-005	1.23000E-003	1.13000E-003	0.00000E+000	4.76385E+000	4.76385E+000	1.54000E-003	0.00000E+000	4.80237E+000
Forklifts	6.36500E-002	5.76190E-001	5.42840E-001	7.10000E-004	4.21100E-002	3.87400E-002	0.00000E+000	6.20426E+001	6.20426E+001	2.00700E-002	0.00000E+000	6.25442E+001
Generator Sets	5.87300E-002	5.15240E-001	5.69290E-001	1.01000E-003	2.83500E-002	2.83500E-002	0.00000E+000	8.70420E+001	8.70420E+001	4.71000E-003	0.00000E+000	8.71596E+001
Graders	5.00000E-003	6.64200E-002	1.90500E-002	7.00000E-005	2.12000E-003	1.95000E-003	0.00000E+000	6.12218E+000	6.12218E+000	1.98000E-003	0.00000E+000	6.17168E+000
Pavers	5.25000E-003	5.62100E-002	5.79700E-002	9.00000E-005	2.73000E-003	2.51000E-003	0.00000E+000	8.26032E+000	8.26032E+000	2.67000E-003	0.00000E+000	8.32711E+000
Paving Equipment	4.15000E-003	4.28300E-002	5.06900E-002	8.00000E-005	2.14000E-003	1.97000E-003	0.00000E+000	7.15820E+000	7.15820E+000	2.32000E-003	0.00000E+000	7.21608E+000
Rollers	4.16000E-003	4.16200E-002	3.78700E-002	5.00000E-005	2.65000E-003	2.44000E-003	0.00000E+000	4.60970E+000	4.60970E+000	1.49000E-003	0.00000E+000	4.64698E+000
Rubber Tired Dozers	4.53400E-002	4.75950E-001	1.73530E-001	3.60000E-004	2.33100E-002	2.14400E-002	0.00000E+000	3.15232E+001	3.15232E+001	1.02000E-002	0.00000E+000	3.17781E+001
Tractors/Loaders/ Backhoes	9.62700E-002	9.69740E-001	1.08578E+000	1.48000E-003	5.99300E-002	5.51300E-002	0.00000E+000	1.30376E+002	1.30376E+002	4.21700E-002	0.00000E+000	1.31430E+002
Welders	5.01000E-002	2.37900E-001	2.68960E-001	3.90000E-004	1.25400E-002	1.25400E-002	0.00000E+000	2.89860E+001	2.89860E+001	4.07000E-003	0.00000E+000	2.90877E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	3.56500E-002	2.48240E-001	2.81060E-001	4.60000E-004	1.59000E-002	1.59000E-002	0.00000E+000	3.93201E+001	3.93201E+001	2.89000E-003	0.00000E+000	3.93922E+001
Cranes	5.87700E-002	6.95430E-001	2.77450E-001	7.80000E-004	2.85000E-002	2.62200E-002	0.00000E+000	6.83055E+001	6.83055E+001	2.20900E-002	0.00000E+000	6.88578E+001
Excavators	2.57000E-003	2.53300E-002	3.43100E-002	5.00000E-005	1.23000E-003	1.13000E-003	0.00000E+000	4.76384E+000	4.76384E+000	1.54000E-003	0.00000E+000	4.80236E+000
Forklifts	6.36500E-002	5.76180E-001	5.42840E-001	7.10000E-004	4.21100E-002	3.87400E-002	0.00000E+000	6.20425E+001	6.20425E+001	2.00700E-002	0.00000E+000	6.25442E+001
Generator Sets	5.87300E-002	5.15240E-001	5.69290E-001	1.01000E-003	2.83500E-002	2.83500E-002	0.00000E+000	8.70418E+001	8.70418E+001	4.71000E-003	0.00000E+000	8.71595E+001
Graders	5.00000E-003	6.64200E-002	1.90500E-002	7.00000E-005	2.12000E-003	1.95000E-003	0.00000E+000	6.12217E+000	6.12217E+000	1.98000E-003	0.00000E+000	6.17167E+000
Pavers	5.25000E-003	5.62100E-002	5.79700E-002	9.00000E-005	2.73000E-003	2.51000E-003	0.00000E+000	8.26031E+000	8.26031E+000	2.67000E-003	0.00000E+000	8.32710E+000
Paving Equipment	4.15000E-003	4.28300E-002	5.06900E-002	8.00000E-005	2.14000E-003	1.97000E-003	0.00000E+000	7.15819E+000	7.15819E+000	2.32000E-003	0.00000E+000	7.21607E+000
Rollers	4.16000E-003	4.16200E-002	3.78700E-002	5.00000E-005	2.65000E-003	2.44000E-003	0.00000E+000	4.60970E+000	4.60970E+000	1.49000E-003	0.00000E+000	4.64697E+000
Rubber Tired Dozers	4.53400E-002	4.75950E-001	1.73530E-001	3.60000E-004	2.33100E-002	2.14400E-002	0.00000E+000	3.15232E+001	3.15232E+001	1.02000E-002	0.00000E+000	3.17781E+001
Tractors/Loaders/Backhoes	9.62700E-002	9.69740E-001	1.08578E+000	1.48000E-003	5.99300E-002	5.51300E-002	0.00000E+000	1.30376E+002	1.30376E+002	4.21700E-002	0.00000E+000	1.31430E+002
Welders	5.01000E-002	2.37900E-001	2.68960E-001	3.90000E-004	1.25400E-002	1.25400E-002	0.00000E+000	2.89859E+001	2.89859E+001	4.07000E-003	0.00000E+000	2.90876E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.27161E-006	1.27161E-006	0.00000E+000	0.00000E+000	1.26928E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17121E-006	1.17121E-006	0.00000E+000	0.00000E+000	1.16181E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.09914E-006	2.09914E-006	0.00000E+000	0.00000E+000	2.08231E-006
Forklifts	0.00000E+000	1.73554E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28944E-006	1.28944E-006	0.00000E+000	0.00000E+000	1.11921E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.26376E-006	1.26376E-006	0.00000E+000	0.00000E+000	1.14732E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.63341E-006	1.63341E-006	0.00000E+000	0.00000E+000	1.62030E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21061E-006	1.21061E-006	0.00000E+000	0.00000E+000	1.20090E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.39700E-006	1.39700E-006	0.00000E+000	0.00000E+000	1.38579E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.15194E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.51680E-007	9.51680E-007	0.00000E+000	0.00000E+000	1.25873E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15052E-006	1.15052E-006	0.00000E+000	0.00000E+000	1.21738E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.37998E-006	1.37998E-006	0.00000E+000	0.00000E+000	1.03137E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		

No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.02	0.00	0.02	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.12	0.03	0.12	0.03	0.00	0.00
Grading	Fugitive Dust	0.06	0.03	0.06	0.03	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.19	0.10	0.19	0.10	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	4.37	6.02	9.98	12.60	11.99	11.99	0.00	12.57	12.57	7.41	0.00	12.56
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Urban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.08	0.28		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.15	0.30		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.15			

No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.15			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	7.70			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	15.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.15			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

APPENDIX B
TRAFFIC ASSESSMENT

City of SACRAMENTO
Department of Public Works

To: Pelle Clarke, Senior Engineer
From: Matthew Ilagan, Assistant Engineer
Subject: Hyatt House and Place (P18-071) – Draft Traffic Assessment
Date: 12-5-2018

The project includes a proposed 201-room hotel on approximately 3.32 acres located on the southeast corner of Del Paso Road and El Centro Road. The project is located within Cambay West of the Gateway West & Cambay West PUD. Two driveway accesses are proposed along Duckhorn Drive. The site is currently vacant.

Existing Roadway System

Del Paso Road is currently a four-lane arterial street that carries 18,400 ADT and is forecasted to carry 21,400 ADT as a six-lane arterial by 2035 per the City of Sacramento 2035 General Plan. Del Paso Road will have a Level of Service B per the 2035 General Plan in 2035.

El Centro Road is currently a four-lane arterial street that carries 8,100 ADT and is forecasted to carry 9,400 ADT by 2035 per the City of Sacramento 2035 General Plan. El Centro Road will have a Level of Service A per the 2035 General Plan in 2035.

The project vicinity contains public transit and bicycle facility options within the area. Bus transit such as the North Natomas Jibe and Regional Transit are located within 1/4 mile from the project along El Centro Road. Pedestrian sidewalks and bike lanes exist along the project frontage and surrounding area along El Centro Road and Duckhorn Drive. The project's access is proposed to be along Duckhorn Drive is classified as a minor collector, which is designed to serve between 4000 to 7000 ADT.

The proposed project is located in close proximity to the I-5 Del Paso Road ramps and I-5 Arena Blvd ramps. **Table 1** shows the level of service for Del Paso Road and Arena Blvd for 2018. Based on the 2018 LOS for the Del Paso Road and Arena Blvd, the ramps have acceptable level of service. Additional information for the I-5 Del Paso Road ramp peak hour traffic volumes and level of service analysis are available in the Appendices section of this Traffic Assessment.

Table 1 Freeway Ramp Level of Service 2018			
Location	**Intersection**	**AM Peak Hour**	**PM Peak Hour**
		2018	**2018**
I-5/ Del Paso Road	I-5 NB off-ramp	B	B
	I-5 SB off-ramp	A	A
I-5/ Arena Blvd	I-5 NB off-ramp	A	A
	I-5 SB off-ramp	A	A

Trip Generation

Table 2 shows the trip generation of the existing zoning (EC-65 per Cambay West PUD) based on trip rates published in *Trip Generation, 10th Edition* (Institute of Transportation Engineers, 2017). Per the PUD, the project is allowed a maximum of 10 percent for retail support and a maximum floor ratio of 50 percent. The existing land zoned for EC-65 is expected to generate approximately 1632 new daily vehicle trips with 236 trips during the AM peak hour and 145 trips during the PM peak hour.

TABLE 2 EXISTING ZONING TRIP GENERATION									
Land Use	**Quantity**	**ITE Land Use Code**	**Trips**						
			Daily	**AM Peak Hour**			**PM Peak Hour**		
				In	**Out**	**Total**	**In**	**Out**	**Total**
Office Building, General	57,850 sq.ft.	710	624	70	11	81	11	57	68
Shopping Center	7,231 sq.ft.	820	1008	96	59	155	37	40	78
		Total Trips	1632	166	70	236	48	97	145

Table 3 shows the trip generation of the proposed project based on trip rates published in *Trip Generation, 10th Edition* (Institute of Transportation Engineers, 2017). Without accounting for alternative mode trips (walking, biking, and transit), the proposed project is expected to generate approximately 1842 new daily vehicle trips with 95 trips during the AM peak hour and 125 trips during the PM peak hour.

TABLE 3 PROJECT TRIP GENERATION									
Land Use	Quantity	ITE Land Use Code	Trips						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Hotel	201 rooms	310	1842	56	39	95	64	61	125

Project Access

In Figure 1, the vehicular access to the site is provided by two shared driveways with full access. The proposed site plan in the City Planning Application shows throat depths of driveways that are sufficient to serve the 201-room hotel of the site.

Figure 1: Site Plan

Conclusions and Recommendations

1) The proposed project (P18-071) will generate 95 trips in AM peak hour, 125 trips in the PM peak hour, and 1842 daily trips. These values do not consider the public transit and bicycle facilities in close proximity to the project, which would further reduce the quantity of trips that is generated from the project. A traffic impact analysis for the project is not required. The proposed project is not expected to cause any significant impacts to the environment as it relates to transportation.

2) The proposed project provides acceptable access to serve the site. It is recommended that the project provides a minimum queue length adequate to store two vehicles.

3) The proposed project is not expected to cause any significant impact to the I-5 Del Paso Road ramps.

4) The project trip distribution is expected to be primarily from Del Paso Road and Arena Blvd due to the proximity of the I-5 Freeway. The segment of El Centro Road between Arena Blvd and Del Paso Road is built as a 4-lane arterial. The segment of El Centro Road south of Arena Blvd is not expected to receive significant trip distribution percentage.

5) The proposed project is subject to entitlements review by the Department of Public Works.

Executive Summary

This traffic assessment analyzed the proposal of a 201-room hotel located along Duckhorn Drive within the Cambay West PUD. The Arena Corporate PUD zoned the project area to be EC-65, which is an employment center with retail support. In the trip generation analysis, it was found that the proposed project is less intense than the land use that was zoned within the PUD. Furthermore, a previous study analyzed the level of service for the freeway ramps and roadways within the project vicinity and found not to cause any significant impact to the roadway system.