
Addendum to the San Mateo County Government Center Campus Development Project EIR

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Prepared for:

San Mateo County Manager's Office
Project Development Unit
555 County Center Drive, 2nd Floor
Redwood City, CA 94063
Contact: Sam Lin, PDU Manager
(650) 295-3679

Prepared by:

MIG, Inc.
2055 Junction Ave., Suite 205
San Jose, CA 95131 (650) 327-0429
www.migcom.com

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**ADDENDUM TO THE
COUNTY GOVERNMENT CENTER
CAMPUS DEVELOPMENT PROJECT EIR**

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Chapter 1. Introduction

1.1 BACKGROUND

The San Mateo County Government Center is a complex of county buildings spanning multiple blocks in downtown Redwood City, California. In 2018, San Mateo County (County) approved plans and certified an Environmental Impact Report (EIR) to redevelop portions of its campus in order to provide expanded office space and parking. The project included relocation of the historic Lathrop House, demolition of site structures, construction of County Office Building #3 (COB3) and Parking Structure #2 (PS2), and creation of a plaza and promenade linking multiple County government buildings on the campus.

The County has commenced project construction activities. Lathrop House was moved to its new location, PS2 is under construction, and the COB3 site has been cleared of existing structures.

The County is now proposing a modified design of COB3 that would increase the building size providing expanded conferencing space capacity. COB3 occupancy would be slightly reduced. No other changes to the 2018 approved project are proposed.

1.2 REGULATORY GUIDANCE

CEQA Guidelines section 15162(a) provides that when an EIR has been certified 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, that one or more of the following circumstances exist:

- 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 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 or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

CEQA Guidelines section 15163 provides that a Lead Agency can prepare a supplement to an EIR rather than a subsequent EIR if a subsequent EIR pursuant to section 15162 is required and only minor additions or changes are needed to make the previous EIR adequate to address the changed situation.

CEQA Guidelines section 15164 provides that the Lead Agency may prepare an Addendum to a certified EIR if none of the conditions described in section 15162 have occurred. A brief explanation of the decision not to prepare a subsequent EIR pursuant to section 15162 must be included in the Addendum, Lead Agency's findings on the project, or elsewhere in the record. The explanation must be supported by substantial evidence.

1.3 ENVIRONMENTAL REVIEW PROCESS AND CEQA FINDINGS

Pursuant to CEQA Guidelines §15162(a), San Mateo County has reviewed the proposed changes to the County Government Center Campus Development Project, the approved project design, and the certified 2018 EIR to determine:

- 1) the extent to which project impacts have been addressed by the previously certified 2018 EIR for the County Government Center Campus Development Project,
- 2) whether project changes create new significant or more severe project impacts,
- 3) whether new circumstances or new information create new significant or more severe impacts or require new analysis, and
- 4) whether any identified new significant or more severe impacts are adequately addressed by previously approved project mitigation.

As described in Chapter 2, Project Description, of this document, the Revised COB3 Project is substantially the same with some modifications to the development plans previously approved under the 2018 County Government Center Campus Development Project. The proposed use of the expanded building capacity for county administration functions is consistent with the previously approved plans. The increased building footprint would remain within the site development boundary and within the building height limit previously analyzed. The environmental impacts associated with changed project features, including the increased building space from 186,000 to 207,512 gross square feet (gsf) and reduced occupancy from 616 employees to 600 employees, would remain the same as or slightly reduced from the levels described in the adopted 2018 EIR.

The County has determined that the Revised COB3 Project has similar environmental impacts from those described in the certified EIR. There are no new significant environmental impacts or previously identified significant impacts made more severe by Revised COB3 changes, new circumstances, or new information. Therefore, the County has determined CEQA Guidelines section 15162 does not require preparation of a subsequent EIR. Rather, the County has determined that an EIR addendum should be prepared as the appropriate CEQA document to address COB3 revisions in accordance with CEQA Guidelines section 15164.

CEQA Guidelines section 15164(c) provides that an addendum need not be circulated for public review but can be included in or attached to the final EIR.

1.4 PURPOSE OF DOCUMENT

The purpose of this Addendum is to evaluate the potential environmental effects of the changes proposed to the County Government Center Campus Development Project, which was approved by the County of San Mateo in 2018. This Addendum modifies the project description and environmental impact analysis contained in the 2018 EIR. The scope of the Addendum is limited to 1) identifying campus development changes, 2) presenting environmental analysis of new development features or new information not previously addressed, and 3) modifying mitigation measures to reflect proposed development changes and new information. CEQA Guidelines section 15164 does not prescribe the exact content of an addendum to address project changes. As such, an addendum is not required to include a revised version of the previously approved EIR.

Chapter 2. Project Description

2.1 PROJECT LOCATION AND SITE DESCRIPTION

The County Government Center is located in downtown Redwood City and spans multiple County blocks bounded by Veterans Boulevard, Middlefield Road, Broadway Street, Winslow Street, and Brewster Avenue (EIR Figure 2-1, Figure 2-2). The County Government Center comprises the History Museum (historic County Courthouse), Hall of Justice, Law Library, two county office buildings (COB1 and COB2), Emergency Operations Center, and a parking structure.

The future COB3 site encompasses the County block bounded by Middlefield Road, County Center, Hamilton Street, and Marshall Street. The COB3 site was formerly occupied by the San Mateo County Superior Court / Traffic and Small Claims Court building at 500 County Center, the historic Lathrop House at 627 Hamilton Street, and the vacant credit union building at 555 Marshall Street. The site has since been cleared of structures in preparation for construction of the approved COB3.

2.2 PROPOSED PROJECT CHANGES

2.2.1 Description of Approved COB3

The approved COB3 design would be constructed with main access on the north side facing County Center and County Office Building #2; secondary access would be provided on other sides as appropriate. COB3 would be designed as a five to seven-story building with a maximum building size of 186,000 square feet (sf) and building height of 112 feet. The building would house 616 relocated employees of which 216 of these employees would transfer from adjacent buildings on the County Government Center campus. The remaining 400 employees would relocate from off-site County locations.

The initial architectural design concept of COB3 was construction of four levels of building mass elevated 32 feet over a ground-level plaza. Below the elevated portion of the building would be two levels of pavilions and open-air terraces closely connected to the plaza. The building would be designed to project a sense of transparency, public access, and open space through its understory plaza, interior courtyard design, and glass elements. The plaza would merge the new COB3 into the existing campus buildings by creating open space for public events, gatherings, and functions.

COB3 would be designed to meet the County of San Mateo Sustainable Building Policy. The building was targeted for Zero Net Energy design and Leadership in Energy and Environmental Design (LEED) certification. On-site storm water infiltration would be integrated into the design to meet Cal Green and LEED requirements. All building utilities would be met through tie-ins to existing infrastructure in the adjacent city right-of-way.

2.2.2 Revised COB3 Building Design

San Mateo County proposes modifying the COB3 design by increasing the maximum approved building size to approximately 207,512 sf. The building would be sited in the same County block location and within the same development envelope. The proposed building height would remain within the maximum approved building height (112 feet) analyzed in the Final EIR. An overview of the proposed COB3 design changes is presented in Table 1.

The COB3 project has been revised to be a 207,512 SF, five-story Cross-Laminated Timber (CLT) facility with favorable environmental credentials, greater maintainability and flexibility.

Table 1. Overview of COB3 Design Changes		
Project Characteristic	2018 Approved Project	2020 Proposed Design
Building design concept	4 levels of building mass elevated 32 feet (two stories) over ground floor to provide understory plaza	5 levels of building mass with first floor at ground level
Building space	186,000 sf	207,512 sf
Building height	112 feet maximum	112 feet maximum
Building footprint	24,000	72,200 sf
Occupancy	616	600
Energy demand	Zero Net Energy goal	Zero Net Energy goal
Plaza and Promenade	Understory to building	Two plazas and extensive landscaping that will link with the County campus

2.2.3 COB3 Occupancy

The Revised COB3 has a planned occupancy density of 120 employees per floor. Based on five floors, the building occupancy is estimated at 600 employees. The Revised COB3 occupancy is 16 employees less than the maximum occupancy of the approved COB3 previously evaluated in the 2018 EIR. Given the projected departmental needs for the building as shown in Table 2, the unprogrammed occupancy remaining available to the County is 139. The County anticipates the third floor will be occupied as office and conferencing space. The County has not yet selected the specific department(s) that will occupy the space.

Table 2. COB3 Occupancy			
County Function	Current Location of Employees	COB3 Occupancy	
		2018 Approved Project	2020 Proposed Design
Board of Supervisors	Hall of Justice, 400 County Center, Redwood City	30	35
County Counsel	Hall of Justice, 400 County Center, Redwood City	49	66
County Manager	Hall of Justice, 400 County Center, Redwood City	42	52
Ceremony/Lobby/Press	Hall of Justice, 400 County Center, Redwood City	0	1
Human Resources	County Office Building #1, 455 County Center, Redwood City	95	90
Human Services Agency	1 Davis, Belmont, CA 94002	0	201

Project Development Unit	County Office Building #2, 555 County Center, Redwood City	0	15
Department of Public Works	County Office Building #2, 555 County Center, Redwood City	0	1
San Mateo Medical Center	1954 Building and Health Services 222 39 th Ave, San Mateo	320	0
Emergency Medical Services, Aging Adult Services, Support Services Administration	801 Gateway, South San Francisco	80	0
Total Employees Relocated to COB3 from Off-Campus		400	201
Total Employees Relocated to COB3 from On-Campus		216	260
Programmed Occupancy		616	461
Unprogrammed Occupancy		0	139
Maximum Occupancy		616	600

Chapter 3. CEQA Review Findings

The following information was considered pursuant to CEQA Guidelines §15162(a) and forms the basis of the County's decision to prepare an Addendum to the County Government Center Campus Development Project EIR for the Revised COB3 Project.

3.1 PROJECT CHANGES

Proposed COB3 modifications are identified in Project Description, Chapter 2. As shown in Chapter 4, Environmental Impact Assessment, none of the COB3 modifications would result in new significant impacts or substantially more severe impacts. The environmental impacts associated with changed project features would remain substantially the same as or less than the levels described in the 2018 EIR. No new impact mitigation is required as a result of COB3 changes. A full discussion of the changes is presented in Chapter 4.

3.2 CHANGES IN CIRCUMSTANCES

There are no changed circumstances involving new significant impacts or substantially more severe impacts. No substantial changes to baseline conditions used in the 2018 EIR have been identified. As a result, the impacts of the Revised COB3 Project remain reflective of those described in the certified EIR. No changes in baseline conditions have occurred to cause an increase in significance or severity of the project impacts as documented in Chapter 4.

3.3 NEW INFORMATION

New information has been made available since certification of the 2018 EIR in the form of new CEQA Guidelines, Appendix G Environmental Evaluation Checklist. The State Office of Planning and Research amended the checklist on December 28, 2018 and San Mateo County subsequently updated its Initial Study Environmental Evaluation Checklist to reflect the revised Appendix G checklist. The new County checklist is used as the basis of the Environmental Impact Assessment in Chapter 4. The new environmental checklist does not result in new significant impacts or increase the severity of known significant impacts, nor does it alter the feasibility of mitigation or alternatives previously considered in the certified EIR.

There is no other new information that requires the evaluation of new mitigation measures or alternatives.

3.4 ADEQUACY OF EIR MITIGATION

Proposed changes to COB3 and new information do not result in new significant environmental impacts that have not been previously disclosed in the certified 2018 EIR. The certified EIR mitigation measures remain adequate to fully address project changes since the 2018 EIR; no new mitigation is required.

Chapter 4. Environmental Impact Assessment

The following analysis is provided as an Addendum to the certified County Government Center Campus Development Project EIR (2018 EIR) in order to address development changes resulting from a redesign of County Office Building #3 (COB3). The analysis is based on the Environmental Evaluation Checklist. For each potential environmental effect, the checklist and subsequent discussion identifies:

- 1) Where the impact was previously addressed in the 2018 EIR;
- 2) Whether COB3 design changes would result in new significant impacts or substantially more severe significant impacts;
- 3) Whether any new circumstances exist which would change the conclusions of the 2018 EIR by introducing new significant impacts or substantially more severe significant impacts;
- 4) Whether any new information exists that could affect the conclusions of the 2018 EIR and require new analysis of verification; and
- 5) Whether the mitigation required in the 2018 EIR remains adequate to address new COB3 impacts.

Each discussion section provides an assessment of the COB3 design changes in comparison to the level of effects described in the certified EIR. New COB3 components not previously considered in the EIR (Project Description, section 2.2) are addressed along with new information (CEQA Findings, section 3.3).

4.1 AESTHETICS

4.1.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant aesthetic impact if it would (except as provided in Public Resources Code Section 21099):

- (a) Have a substantial adverse effect on a scenic vista, views from existing residential areas, public lands, water bodies, or roads;
- (b) Substantially damage or destroy scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway;
- (c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings, such as significant change in topography or ground surface relief features, and/or development on a ridgeline? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality;
- (d) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area;
- (e) Be adjacent to a designated Scenic Highway or within a State or County Scenic Corridor;
- (f) If within a Design Review District, conflict with applicable General Plan or Zoning Ordinance provisions;
- (g) Visually intrude into an area having natural scenic qualities.

4.1.2 2018 EIR Impact Summary

The 2018 EIR determined the project site location in a downtown urban setting was not part of a scenic vista and would be impact broader views outside the immediate downtown vicinity. There are no water bodies or open space lands in the project vicinity that would have impacted views. The streetscape view would be altered in a manner consistent with the downtown character. As a result, project impacts to views are less than significant. The COB3, parking structure and promenade components fit into the downtown setting and did not conflict with surrounding development in terms of building mass, building design, or aesthetic quality. Final building design would be reviewed for consistency with County General Plan Goals and Objectives protecting visual quality. Visual character of the site would not be substantially altered. Impact upon residential views is minimized and less than significant. The project site is not located within view of a state scenic highway or corridor or within a County designated scenic roadway or corridor. The project site contains existing night lighting associated with typical urban uses in and around the site. Exterior night lighting would be designed to be energy efficient and would be required to have features that constrain the light within the site as much as possible. The lighting system would be consistent with San Mateo County lighting standards, which incorporate requirements to reduce the impacts of light pollution, light trespass, and glare to the surrounding area. The project site is not located in a County Design Review District. Based on its location within a highly urbanized area of downtown Redwood City, the project does not have the potential to visually intrude on an area having natural scenic qualities. No mitigation is required for aesthetic impacts.

4.1.3 Revised COB3 Project Impact

The Revised COB3 Project would occur at the same location as previously approved. The redesigned project would be constructed within the same building envelope and have similar maximum height. Building massing would be somewhat modified as described in Project Description (section 2.2), resulting in an increase in building square footage by 17,000 square feet. The proposed project would have architectural characteristics compatible with existing buildings on the campus similar to the approved project. The proposed building change does not substantially modify the building mass and has a similar height and property line setbacks from the approved project. As a result, no new visual impacts would be introduced by the proposed project change (Thresholds a through g).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.2 AGRICULTURE AND FORESTRY RESOURCES

4.2.1 Thresholds of Significance

Consistent with the 2016 CEQA Checklist (CEQA Guidelines Appendix G), the proposed project would have a significant impact on agriculture and forestry resources if it would:

- (a) For lands outside the Coastal Zone, convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use;
- (b) Conflict with existing zoning for agricultural use, or a Williamson Act contract;
- (c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forestland to non-forest use;

- (d) For lands within the Coastal Zone, convert or divide lands identified as Class I or Class II Agriculture Soils and Class III Soils rated good or very good for artichokes or Brussels sprouts;
- (e) Result in damage to soil capability or loss of agricultural land;
- (f) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g)).

4.2.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no impacts to agriculture and forestry resources. The site is in a downtown urban area and developed with buildings and paved surfaces. Implementation of the proposed project would not result in the conversion of Farmland to a nonagricultural use or result in the loss of agricultural land. The proposed project would not impact Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The project site is mapped as "Other Land" on the San Mateo County Important Farmland 2012 map developed by the California Department of Conservation, Division of Land Resource Protection's Farmland Mapping and Monitoring Program. The project site is not zoned for agricultural use, is not subject to an Open Space Easement, and is not under a Williamson Act contract. The project site is not within the coastal zone and thus would not convert or divide lands identified as Class I or Class II Agriculture Soils or Class III Soils rated good or very good for artichokes or Brussels sprouts. In addition, the project would not convert forest land to a non-forest use. The project site is not zoned as forest land, timberland, or timberland production. Thus, the proposed project would have no impact on agricultural or forestry resources. No mitigation was required.

4.2.3 Revised COB3 Project Impact

The Revised COB3 Project would be constructed within the same building envelope for the approved COB3 structure. There are no agriculture or forestry resources on the project property; the Revised COB3 Project would not result in any change in impacts to agriculture or forestry resources as identified in the 2018 EIR (Thresholds a through f).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.3 AIR QUALITY

4.3.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant air quality impact if it would:

- (a) Conflict with or obstruct implementation of the applicable air quality plan;
- (b) Result in a cumulatively considerable net increase of any criteria pollutant for which the region is non-attainment under an applicable federal or state ambient air quality standard;
- (c) Expose sensitive receptors to substantial pollutant concentrations, as defined by the BAAQMD;
- (d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

4.3.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no impact or a less-than-significant impact on air quality except for mass emissions of nitrogen oxides (NOx) and potential adverse health effects posed by receptor exposure to diesel particulate matter (DPM), which required the implementation of Mitigation Measure AIR-1.

The 2018 EIR determined the project would not conflict with or obstruct implementation of the Bay Area Air Quality Management District (BAAQMD) Air Quality Management Plan (the 2017 Clean Air Plan), because it would:

- Be consistent with and not obstruct implementation of the 2017 Clean Air Plan's control strategies;
- Not exceed the BAAQMD threshold for criteria air pollutant emissions;
- Not promote or increase disparities in cancer risk from toxic air contaminants; and
- Be consistent with Assembly Bill (AB) 32 greenhouse gas (GHG) emission reduction goals at the state level (see Section 4.6.3).

The 2018 EIR determined that Project construction would result in average daily NOx emissions that exceed the BAAQMD's threshold (54 lbs./day of NOx) and generate emissions of DPM that could potentially expose adjacent sensitive receptors to toxic air contaminants. Mitigation Measure AIR-1 was required as follows to reduce this potential impact to a less-than-significant level.

Mitigation Measure AIR-1: To reduce NOx emissions and potential adverse health risks associated with exposure to PM2.5 emissions, including DPM emissions, generated during project construction activities, the County and/or its designated contractors, contractor's representatives, or other appropriate personnel shall apply the following construction equipment restrictions to the proposed Project:

- Utilize on-site electrical hook-ups instead of diesel-powered equipment (e.g., diesel generators) to the maximum extent feasible.
- All construction equipment with a rated power-output of 50 horsepower or greater shall meet U.S. EPA Tier III Emissions Standards.

With the incorporation of Mitigation Measure AIR-1, the 2018 EIR found the project would not: a) violate any air quality standard or contribute substantially to an existing or projected air quality violation or b) result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment, because the mitigated criteria air pollutant emissions estimates generated for the project using the California Emissions Estimator Model (CalEEMod) were below all BAAQMD thresholds for criteria air pollutants during construction and operation. The 2018 EIR also concluded that the incorporation of Mitigation Measure AIR-1 would reduce potential adverse health effects associated with receptor exposure to DPM emissions to less-than-significant levels. The 2018 EIR found the project would not create odors affecting a substantial number of people because the only odors from the project were to be short-term and occur only during project construction.

4.3.3 Revised COB3 Project Impact

The proposed Revised COB3 Project would not result in new significant or more severe impacts than that identified in the 2018 EIR, and there are no new circumstances or information that require the evaluation of new mitigation measures or alternatives.

The proposed Revised COB3 project does not involve changes that would make it inconsistent with, or conflict with, the BAAQMD 2017 Clean Air Plan. The revised project would continue to be consistent with and support the control measures contained in the 2017 Clean Air Plan. The revised project would not exceed BAAQMD criteria air pollutant thresholds (discussed below),

would not promote or increase disparities in cancer risk in Bay Area communities, and would support GHG emission reduction goals at the state level (see Section 4.6.3). This impact would remain less than significant (Threshold a).

The proposed Revised COB3 project involves increasing the size of the COB3 building from approximately 186,000 square feet to 207,512 square feet. The proposed Revised COB3's construction and operational emissions have been re-estimated using CalEEMod (version 2016.3.2). The parameters in the model have been updated as follows:

- The construction schedule has been updated to reflect construction activities at the site would recommence in mid-April 2021 and last through mid-April 2023.
- The model accounts for the net off-haul of approximately 4,250 cubic yards of soil / construction debris associated with: utility spoil removal, deep foundation soil removal, foundation soil removal, and miscellaneous excess stockpile removal.

Whereas the proposed project in the 2018 EIR involved some overlap of construction activities at the Parking Structure 2 (PS2) site, movement of the Lathrop House, and development of COB3, the revised COB3 Project would only involve construction activities associated with COB3 and the promenade. Therefore, the revised modeling only focuses on an amended construction schedule for COB3 and the promenade, and operational emissions associated with all project components. As shown in Appendix B summary tables (Table B-1:3 and Table B-1:6), the revised emissions estimates for construction and operation of COB3 would be below all BAAQMD thresholds for criteria air pollutants. This impact would be less than significant even without with the incorporation of Mitigation Measure AIR-1; however, the project would still be required to utilize Tier III construction equipment pursuant to the conditions of approval for the project (Threshold b).

Furthermore, as discussed in the 2018 EIR, the prevailing wind at the site would generally push DPM emissions east, toward the commercial development at 601 Marshall Street, or south/southwest toward the San Mateo County History Museum; emissions would generally be blown away from sensitive receptors at 605 and 611 Middlefield Road. Therefore, the revised project would not result in a substantially more severe impact with regard to exposing receptors to substantial pollutant concentrations. This impact would remain less than significant with the incorporation of Mitigation Measure AIR-1 (Threshold c).

The proposed Revised COB3 project does not involve changes that would alter the significance determination with regard to odors (Threshold d).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.4 BIOLOGICAL RESOURCES

4.4.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant impact to biological resources if it would:

- (a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS;
- (b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the CDFW or USFWS;

- (c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrologic interruption, or other means;
- (d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites;
- (e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (including the County Heritage and Significant Tree Ordinances);
- (f) Conflict with the provisions of an adopted Habitat Conservation Plan (HCP), Natural Community Conservation Plan (NCCP), or other approved local, regional, or state HCP;
- (g) Be located inside or within 200 feet of a marine or wildlife reserve.
- (h) Result in loss of oak woodlands or other non-timber woodlands.

4.4.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no or minimal impact on candidate, sensitive, or special-status species, sensitive natural communities, wetlands or jurisdictional waters, wildlife movement or nursery sites, conservation plans, marine or wildlife reserves, or woodlands due to its location within a human-altered urban landscape.

Nesting birds and bats could be disturbed by removal of landscape trees and building demolition if found present. Preconstruction surveys required in Mitigation Measure BIO-1a, BIO-1b, and BIO-2 were required to reduce the potential impacts to nesting birds and bats to less-than-significant levels. These measures are as follows:

Measure BIO-1a: Nesting Bird Survey. To avoid impacts to nesting birds and violation of state and federal laws pertaining to birds, all construction-related activities (including but not limited to mobilization and staging, clearing, grubbing, vegetation removal, fence installation, demolition, and grading) should occur outside the avian nesting season (generally prior to February 1 or after August 31). If construction and construction noise occurs within the avian nesting season (from February 1 to August 31 or according to local requirements), all suitable habitats located within the project's area of disturbance including staging and storage areas plus a 250-foot buffer (passerines), 500-foot buffer (small raptors, such as accipiters), and 1,000-foot buffer (large raptors, such as buteos) around these areas shall be thoroughly surveyed, as feasible, for the presence of active nests by a qualified biologist no more than five days before commencement of any site disturbance activities and equipment mobilization. The bird survey buffer radius may be modified in consultation with CDFW. If project activities are delayed by more than five days, an additional nesting bird survey shall be performed. Active nesting is present if a bird is sitting in a nest, a nest has eggs or chicks in it, or adults are observed carrying food to the nest. The results of the surveys shall be documented. If it is determined that birds are actively nesting within the survey area, Mitigation Measure BIO-1b shall apply. Conversely, if the survey area is found to be absent of nesting birds, Mitigation Measure BIO-1b shall not be required.

Mitigation Measure BIO-1b: If pre-construction nesting bird surveys result in the location of active nests, no site disturbance or mobilization of heavy equipment (including but not limited to equipment staging, fence installation, clearing, grubbing, vegetation removal, fence installation, demolition, and grading), shall take place within 250 feet of non-raptor nests, 500-feet of small raptor nests, and 1,000 feet of large raptor nests, or as determined by a qualified biologist in consultation with CDFW, until the

chicks have fledged. Monitoring shall be required to ensure compliance with the MBTA and relevant California Fish and Game Code requirements. Monitoring dates and findings shall be documented.

Mitigation Measure BIO-2: To avoid impacting breeding, roosting, or hibernating bats protected by CDFW, preconstruction surveys of potential bat roost habitat will be performed in all trees and buildings subject to removal or demolition and within a 50-foot buffer for evidence of maternal or colony bat roosts (e.g., guano accumulation, acoustic, or visual detections) within 48 hours of project disturbance. If an occupied maternity or colony roost is detected or evidence of bat occupancy is found, CDFW will be consulted to determine the appropriate mitigation measures, which may include exclusion prior to removal if the roost cannot be avoided, a buffer zone, seasonal restrictions on construction work, and/or construction noise reduction measures.

The 2018 EIR found that two County Significant Trees would likely be removed from the COB3 project area during the relocation of the Lathrop House. The EIR required mitigation through either preservation or replacement as identified in Mitigation Measure 3 below. With this measure the impact was found to be less than significant.

Mitigation Measure BIO-3: San Mateo County shall consider design options that preserve the two County Significant Trees in their current location. If trees are preserved, protection measures shall be implemented during project construction per recommendation of a certified arborist. If tree removal cannot be avoided, the County shall plant similar replacement trees on the project site.

4.4.3 Revised COB3 Project Impact

The Revised COB3 Project would be constructed within the same building envelope approved for COB3. No impacts to biological resources would occur differently from those described in the 2018 EIR. The Revised COB3 project would have no or minimal impact on candidate, sensitive, or special-status species, sensitive natural communities, wetlands or jurisdictional waters, wildlife movement or nursery sites, conservation plans, marine or wildlife reserves, or woodlands due to its location within a human-altered urban landscape (Thresholds a through h, except e). Mitigation Measures BIO-1a, BIO-1b, and BIO-2 were implemented during removal of landscape trees and building demolition that occurred in September 2019 during site clearance activities. The potential for this impact no longer exists at the COB3 site; therefore, these measures do not apply to the Revised COB3 Project (Threshold a). Measure BIO-3 requires replacement of the two County Significant Trees in the final COB3 project design. This measure still applies to the Revised COB3 Project and is sufficient to reduce the impact to County Significant Trees to a less-than-significant level (Threshold e).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.5 CULTURAL RESOURCES

4.5.1 Thresholds of Significance

Consistent with the 2016 CEQA Checklist (CEQA Guidelines Appendix G), the proposed project would have a significant impact on cultural resources if it would:

- (a) Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5;
- (b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5;

- (c) Disturb any human remains, including those interred outside of formal cemeteries.

4.5.2 2018 EIR Impact Summary

The 2018 EIR evaluated impacts to historical resources caused by relocating the historic Lathrop House and by the proposed new construction of COB3 and parking structure (PS2). Nine historic resources in proximity to the project site were considered in the evaluation: the San Mateo County Courthouse, Lathrop House, the Fox Theater, the Mayers Building, the Sequoia Building, 611 Middlefield Road, the Pacific Telephone and Telegraph Building, the Falcone Building, and 620 Jefferson Avenue.

Based upon the assessment of an expert architectural historian, the 2018 EIR determined that development of the County Government Center project site would not significantly impact the integrity of the historical resources. The relocation of Lathrop House to the rear of the historic County Courthouse would not materially alter in an adverse manner the physical characteristics that convey its historical significance, nor would it change the architectural features of the courthouse that were listed in the National Register. The relocation of the Lathrop House would not impact the historical integrity of its Design, Materials, Workmanship, Association, and Feeling since the building would be moved in its entirety, with no change to the design, materials, and workmanship. Mitigation CUL-1A was required as listed below to protect the integrity of Lathrop House. Finally, the 2018 EIR determined that the new construction (COB3 and PS2) would not significantly impact existing historical resources surrounding the project site because of a blocked full line of sight between the new construction and the historical resource, or because the historic setting of these buildings was already greatly changed before these buildings were designated as historic resource.

Mitigation Measure CUL-1A: All work to be carried out on Lathrop House will conform to the Secretary of the Interior's Standards for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings. Any loose material and furniture that can be removed in the house shall be removed and cataloged under the supervision of a historian qualified to the Secretary of the Interior's standards prior to any moving activity. It shall be stored in a place appropriate for historical artifacts before being returned to the house. Any furniture that cannot be removed must be braced in place during the house move. Doors and windows are to be braced open or closed at the discretion of the engineer in charge of moving operations. Detailed photographs will be taken by a state qualified historian or architectural historian of all aspects of the house prior to the move and prior to the removal of the pony wall to ensure that any damage sustained can be repaired in keeping with the current existing conditions and as a historic record of the house in its current position. Any damage sustained during moving operations will be fixed according to the Secretary of the Interior's Standards for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings. All repairs will be approved by a state qualified historian or architectural historian.

The 2018 EIR determined that undiscovered archaeological resources could be significantly impacted if present and disturbed during project construction. Mitigation Measures CUL-2A and CUL-2B were required to reduce these potential impacts to less-than-significant levels. These measures are as follows:

Mitigation Measure CUL-2A: Due to the moderate to high potential of historic and prehistoric archaeological remains existing at the receiver site of the Lathrop House, Archaeological Sensitivity Training will be carried out prior to ground moving activity by a qualified archaeologist for all personnel who will engage in or supervise ground disturbing activities on the site.

Mitigation Measure CUL-2B: If archaeological remains from either a historic or prehistoric period are discovered (or have been suspected to have been discovered)

during project construction, all ground disturbing work within a 100' radius buffer of the discovery will cease. An archaeologist who meets the Secretary of the Interior's Standards for Archaeology will be brought in to assess the discovery before any additional ground disturbing work within the 100' buffer will be allowed to continue. No further ground disturbing work will be allowed to continue until the archaeologist has fully evaluated the find and permits work to continue. Dependent on the evaluation by the archaeologist, archaeological excavation and recordation may be required before construction can continue. Archaeological monitoring will be enacted on the site at the discretion of the archaeologist.

Should the newly discovered artifacts be determined to be Native American in origin, Native American Tribes/Representatives will be contacted and consulted as directed by the NAHC and Native American construction monitoring will be initiated. All Native American artifacts and finds suspected to be Native American in nature are to be considered as significant tribal cultural resources until the County has determined otherwise with the consultation of a qualified archaeologist and local tribal representative(s) as directed by the NAHC.

In the event of an archaeological discovery, the County shall coordinate with the archaeologist to develop an appropriate treatment plan for the resources. The plan may include implementation of archaeological data recovery excavations to address treatment of the resource along with subsequent laboratory processing and analysis. An archaeological report will be written detailing all archaeological finds and submitted to the County and the Northwest Information Center.

Human remains were not expected to occur on the project site, but if encountered during construction were to be treated in accordance with applicable laws, which included contacting the County Coroner's Office for an evaluation of the remains.

4.5.3 Revised COB3 Project Impact

The Revised COB3 Project would be constructed within the same building envelope previously approved for COB3 in the County Government Center Campus Development Project. The redesigned COB3 building mass would be larger than the approved COB3 by 21,000 sf while the maximum building height would remain unchanged. The Revised COB3 Project would not impact surrounding historical resources for the same reasons described in the 2018 EIR. The historical resources are either blocked from a direct line of site to the COB3 or the historic setting of these buildings was already greatly changed before these buildings were designated as historic resource. As such, the impacts of the Revised COB3 Project on surrounding historical resources would be the same as those described in the 2018 EIR.

Mitigation Measure CUL-1A regarding the Lathrop House relocation, which occurred in 2019 does not apply to the Revised COB3 project.

No known archaeological resources occur on the project site. However, there is a potential for undiscovered archaeological and paleontological resources to exist. Mitigation Measures CUL 2A and CUL-2B are required in the 2018 EIR to reduce these potential cultural resource impacts to less-than-significant levels. These measures are sufficient to reduce cultural resource impacts related to the Revised COB3 construction to a less-than-significant level (Threshold b).

Human remains are not expected to occur on the COB3 site. The impact would be the same as described in the 2018 EIR. Any discovered remains would be treated in accordance with applicable laws, including contacting the County Coroner's Office for an evaluation of the remains (Threshold c).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR.

There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.6 GEOLOGY AND SOILS

4.6.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the project would have a significant geology and soils impact if it would:

- (a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death, involving:
 - i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (Refer to Division of Mines and Geology Special Publication 42 and the County Geotechnical Hazards Synthesis Map),
 - ii. Strong seismic ground shaking,
 - iii. Seismic-related ground failure, including liquefaction,
 - iv. Landslides, or
 - v. Coastal cliff/bluff instability or erosion.
- (b) Result in significant soil erosion or the loss of topsoil;
- (c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse;
- (d) Be located on expansive soil, as noted in the 2010 California Building Code, creating significant risks to life or property;
- (e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater, or;
- (f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

4.6.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would not significantly impact geology and soils. There were no active faults on the project site, and the site does not fall under the State Earthquake Fault Zoning Act or the State Hazard Mapping Act (Threshold a.i). Although the site is in a seismically active region, the project would not create potential for or exacerbate existing conditions related to seismic ground shaking (Threshold a.ii). The COB3 site has a moderate potential for liquefaction, however recommendations of the geotechnical report address the liquefaction hazard and the project would not exacerbate existing conditions related to liquefaction potential at the site (Threshold a.iii). The project is in a level area with no potential for impacts related to landslides or coastal bluff erosion (Threshold a.iv and a.v). Soil erosion was to be prevented during project construction by BMPs incorporated into a SWPPP to be prepared for the project in compliance with the NPDES permit (Threshold b). The project was not expected to be subject to unstable soils, lateral spreading, landslides, subsidence, collapse, and expansive soils and would not exacerbate these conditions (Thresholds c and d). No septic tanks or alternative wastewater systems were proposed as part of the approved project (Threshold e).

The 2018 EIR found there are no unique geologic features on the site, thus there would be no impact to unique geologic features. Project excavation was not anticipated to encounter

paleontological resources; however, the depth of grading may encounter unanticipated paleontological resources, as excavation depths are likely to reach an excavation horizon where paleontological resources are more likely to be discovered than ground moving activities near the surface. The EIR required Mitigation Measure CUL-3 to help protect and safeguard buried paleontological resources (Threshold f).

Mitigation Measure CUL-3A: Due to the moderate to high potential of historic and prehistoric archaeological remains existing at the receiver site of the Lathrop House, Paleontological Sensitivity Training will be carried out prior to ground moving activity by a qualified paleontologist or archaeologist for all personnel who will engage in or supervise ground disturbing activities on the site.

Mitigation Measure CUL-3B: In the event that paleontological resources are discovered during project construction all ground disturbing work within a 100' radius buffer of the discovery will cease. A qualified paleontologist will be brought in to assess the discovery before any additional ground disturbing work within the 100' buffer will be allowed to continue. No further ground disturbing work will be allowed to continue until the paleontologist has fully evaluated the resource and permits work to continue. Dependent on the evaluation by the paleontologist, paleontological excavation and recordation may be required before construction can continue. Paleontological monitoring will be enacted on the site at the discretion of the paleontologist.

In the event of a paleontological discovery, the County shall coordinate with the paleontologist to develop an appropriate treatment plan for the resources. A paleontological report will be written detailing all paleontological finds and submitted to the County and the University of California Museum of Paleontology at Berkeley.

4.6.3 Revised COB3 Project Impact

The Revised COB3 Project would be constructed within the same building envelope previously evaluated for the County Government Center Campus Development Project. As such, the impacts of the Revised COB3 Project would have the same geology and soils impacts as those described in the 2018 EIR. The project would not exacerbate any geologic condition found on the project site. Mitigation Measure CUL-3A and CUL-3B are sufficient to reduce potential impacts of the Revised COB3 Project on paleontological resources to a less-than-significant level.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.7 CLIMATE CHANGE / ENERGY

4.7.1 Thresholds of Significance

Based Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant climate change or energy impact if it would:

- (a) Generate GHG emissions (including methane), either directly or indirectly, that may have a significant effect on the environment;
- (b) Conflict with an applicable plan (including a local climate action plan), policy, or regulation adopted for the purposes of reducing the emissions of GHG;

- (c) Result in the loss of forest land or conversion of forest land to non-forest use, such that it would release significant amounts of GHG emissions, or significantly reduce GHG sequestering;
- (d) Expose new or existing structures and/or infrastructure (e.g., leach fields) to accelerated coastal cliff/bluff erosion due to rising sea levels;
- (e) Expose people or structures to a significant risk of loss, injury or death involving sea level rise;
- (f) Place structures within an anticipated 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map;
- (g) Place within an anticipated 100-year flood hazard area structures that would impede or redirect flood flows;
- (h) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation;
- (i) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

4.7.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no impact or a less-than-significant impact on climate change and energy, except for mass GHG emissions, which required the implementation of Mitigation Measure GHG-1.

The 2018 EIR determined that implementation of the project would result in the net generation of GHG emissions that would not exceed the BAAQMD 2020 GHG emissions threshold of 1,100 metric tons of carbon dioxide equivalents (MTCO₂e) but could exceed the 2030-project specific GHG emissions reduction goal of 660 MTCO₂e employed to demonstrate progress toward the State's GHG emission reduction goals in 2030. Mitigation Measure GHG-1 was required as follows to reduce this impact to a less-than-significant level.

Mitigation Measure GHG-1: To ensure the proposed Project does not conflict with future GHG reduction goals, the County shall require COB3 and the parking garage to collectively source at least 30 percent of the buildings' electricity demand from on-site renewable energy (i.e., the PV system).

With the incorporation of Mitigation Measure GHG-1, the 2018 EIR determined the project's emissions would be reduced below the 660 MTCO₂e project-specific GHG emission reduction for 2030, and not generate GHG emissions, either directly or indirectly, that may have a significant effect on the environment.

The 2018 EIR determined the project would not conflict with the following plans, policies, or regulations adopted for the purposes of reducing GHG emissions: Association of Bay Area Governments / Metropolitan Transportation Commission (ABAG/MTC) Plan Bay Area 2040, BAAQMD 2017 Clean Air Plan, or the San Mateo County Government Operations Climate Action Plan (CAP). The project would:

- Consolidate existing County operations into one building (reducing VMT);
- The building would be designed to meet Leadership in Energy and Environmental Design (LEED) certification, at a minimum, target final design meeting Zero Net Energy (ZNE) standards;
- Be consistent with / not conflict with any of the control measures identified in the 2017 Clean Air Plan; and
- Implement applicable policies contained in the San Mateo Government Operations CAP.

The 2018 EIR determined the project would have no impact or a less-than-significant impact regarding loss or conversion of forest land, coastal cliff/bluff erosion, sea level rise, flood hazard access, and impede or redirect flood flows.

The 2018 EIR determined the project would not result in a substantial increase in net energy demand or result in the use of fuel or energy in a wasteful manner.

4.7.3 Revised COB3 Project Impact

Global climate change is the result of GHG emissions worldwide; individual projects do not generate enough GHG emissions to influence global climate change. Thus, the analysis of GHG emissions is by nature a cumulative analysis focused on whether an individual project's contribution to global climate change is cumulatively considerable.

The proposed Revised COB3 project involves increasing the size of the COB3 building from approximately 186,000 square feet to approximately 207,512 square feet. The proposed Revised COB3's construction and operational emissions have been re-estimated using CalEEMod (version 2016.3.2). The parameters in the model have been updated based on the alterations described in Section **Error! Reference source not found.**, and the following modification specifically related to GHG emissions:

- Per the Government Operations Climate Action Plan adopted by the County of San Mateo on January 26, 2021, the County of San Mateo purchases ECO100 electricity through Peninsula Clean Energy (PCE) for all government facilities. ECO100 is the 100% renewable electricity option provided by PCE. Therefore, the GHG intensity values for electricity consumption were set to zero (County of San Mateo, 2021).

As shown in Appendix B (Table B1-13), the revised GHG emissions estimates indicate the project's emissions would be well below the BAAQMD GHG Threshold for 2020 (i.e., 1,100 MTCO₂e) and project-specific goal for 2030 (i.e., 660 MTCO₂e), even without the implementation of Mitigation Measure GHG-1 (Threshold a). This reduced impact is attributed to the lack of GHG emissions imbedded in the electricity that would be used to power COB3 and the parking garage. Therefore, the conditions at the time of this Addendum's preparation mean that the project no longer needs to incorporate Mitigation Measure GHG-1 into the project to result in a less-than-significant impact regarding mass emissions of GHG. Furthermore, the project is continuing to pursue ZNE design and, while it appears that ZNE standards will be achieved, it cannot be definitively stated at this time that this benchmark will be achieved.

The proposed Revised COB3 project does not involve changes that would make it inconsistent, or in conflict, with ABAG/MTC's Plan Bay Area 2040, BAAQMD's 2017 Clean Air Plan, or the County's Government Operations CAP. The project would continue to consolidate County functions from other locations into COB3 and implement applicable control measures and policies in the planning documents, as analyzed in the 2018 EIR. This impact would remain less than significant (Threshold a).

The proposed Revised COB3 project does not involve changes that would affect the 2018 EIR's significance determinations regarding loss or conversion of forest land, coastal cliff/bluff erosion, sea level rise, flood hazard access, nor impede or redirect flood flows. These impacts would remain as no impact or a less-than-significant impact, as identified in the 2018 EIR (Thresholds b through g).

Construction of the proposed Revised COB3 project would continue to require the use of energy in different forms, and the larger building could slightly increase total energy demand at the project site; however, energy consumption is a necessary component of any development activity. Once operational, COB3 would feature many energy efficient elements. The revised COB3 design is still striving to meet ZNE standards. The proposed project would not use energy in a wasteful, inefficient, or unnecessary manner, nor would it conflict with or obstruct

implementation of a state or local plan for renewable energy or energy efficiency. These impacts would remain less than significant (Thresholds h and i).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.8 HAZARDS AND HAZARDOUS MATERIALS

4.8.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the project would have a significant hazards and hazardous materials impact if it would:

- (a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials (e.g. – pesticides, herbicides, other toxic substances, or radioactive material);
- (b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment;
- (c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school;
- (d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code section 65962.5 and, as a result, would it create a significant hazard to the public or the environment;
- (e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area;
- (f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan;
- (g) Place housing within an existing 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map;
- (h) Place within an existing 100-year flood hazard area structures that would impede or redirect flood flows;
- (i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam; or
- (j) Inundation by seiche, tsunami, or mudflow.

4.8.2 2018 EIR Impact Summary

The 2018 EIR determined that all potential impacts from hazards and hazardous materials caused by the County Government Center Campus Development Project were less than significant. The County would develop and implement a demolition debris management and disposal plan to protect construction workers and the environment from contact with any hazardous materials encountered during removal of existing structures (e.g., lead-based paint, asbestos containing material, and soils containing elevated levels of soluble lead). Proposed facility operations do not involve ongoing transport, use, or disposal of hazardous materials, although COB3 could contain liquid storage tanks or generators. Construction activities involved

the short-term transportation, use, and disposal of limited quantities of hazardous materials (paint, solvents, fuel, etc.) that would be properly stored when not in use and disposed of according to applicable regulations (Thresholds a and b).

The COB3 site is located within one quarter-mile of several schools (Marin Day Schools, Orion Alternative School, and Sequoia High School). Hazardous emissions of diesel particulate matter (DPM) from project construction equipment are addressed in Air Quality and in Mitigation AIR-1 addressing DPM. Project construction and operations otherwise do not involve hazardous emissions or handling of hazardous materials (Threshold c). The project site was not located on a hazardous materials site pursuant to Government Code Section 65962.5 (Threshold d).

The project site is 1.5 miles from a general aviation facility and is within the San Mateo County Comprehensive Airport Land Use Compatibility Plan (ALUCP) area. The 2018 EIR found that the project buildings conformed with the height limitations specified by Redwood City's Downtown Precise Plan and the ALUCP (Threshold e). The project would not impair implementation of or physically interfere with an emergency response or evacuation plan (Threshold f). The project does not involve housing and is not proposed within a 100-year flood hazard area (Threshold g and h), dam inundation area (Threshold i), or areas subject to seiche tsunami or mudflow hazards (Threshold j). No mitigation was required for hazards or hazardous materials related impacts.

4.8.3 Revised COB3 Project Impact

The Revised COB3 Project would be similar to the development previously evaluated in the 2018 EIR. The Revised COB3 Project would not result in any change in impacts from hazards and hazardous materials compared to the original campus development project. Thus, the proposed project would have less-than-significant impacts from hazards and hazardous materials.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.9 HYDROLOGY AND WATER QUALITY

4.9.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the project would have a significant hydrology and water quality impact if it would:

- (a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality (consider water quality parameters such as temperature, dissolved oxygen, turbidity and other typical stormwater pollutants: e.g., heavy metals, pathogens, petroleum derivatives, synthetic organics, sediment, nutrients, oxygen-demanding substances, and trash);
- (b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin;
- (c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner that would:
 - (i) Result in substantial erosion or siltation on- or off-site

- (ii) Substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off-site;
- (iii) Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems, or provide substantial additional sources of polluted runoff; or
- (iv) Impede or redirect flood flows
- (d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation;
- (e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan;
- (f) Significantly degrade surface or groundwater water quality;
- (g) Result in increased impervious surfaces and associated increased runoff.

4.9.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no impact or a less than significant impact to hydrology and water quality. The project did not involve waste discharges. The project would not significantly change impervious cover on the site over existing conditions and was not expected to influence groundwater recharge. The project would not substantially alter the existing drainage pattern of the site or area in a manner that results in substantial erosion or siltation on- or off-site. Stormwater runoff from the project would be directed into an existing drainage system and would not affect streams or other surface water features. The project would not create or contribute to runoff water that would exceed the capacity of existing or planned stormwater drainage systems. The proposed project would be subject to the County's Stormwater Pollution Prevention Program and would not provide substantial additional sources of polluted runoff or otherwise degrade water quality during construction. The 2018 EIR determined the project site is not within a dam inundation hazard zone and not subject to inundation by seiche, tsunami or mudflow. The project site is subject to inundation through sea level rise, but the project would not exacerbate or contribute to the sea level rise condition.

4.9.3 Revised COB3 Project Impact

The Revised COB3 Project would be constructed within the same building envelope previously approved, which encompassed the entire County block. The modified building design along with its adjacent courtyard and plazas would have the same impervious surface area as the approved project and, therefore, have similar impacts to water quality and hydrology as those described in the 2018 EIR. The impact remains less than significant.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.10 LAND USE AND PLANNING

4.10.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the project would have a significant land use and planning impact if it would:

- (a) Physically divide an established community;

- (b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect; or
- (c) Serve to encourage off-site development of presently undeveloped areas or increase development intensity of already developed areas (examples include the introduction of new or expanded public utilities, new industry, commercial facilities or recreation activities).

4.10.2 2018 EIR Impact Summary

The 2018 EIR for the County Government Center Campus Development Project determined the project would have no or less than significant impacts to land use and planning. The project was infill development on underutilized parcels on existing government center campus and would not physically divide an established community or encourage off-site development. While the project is located within Redwood City's Downtown Precise Plan (DPP) planning area, because the project pertains to functions of another agency (i.e., County of San Mateo), the project is not subject to the development requirements of the DPP. However, the project is consistent with development in the City's downtown core with civic buildings and does not introduce new land uses that would conflict with existing or planned uses in the project area. The project is consistent with the DPP maximum height regulations, promotes compact development, provides public open space and pedestrian pathways, parking, and is close to public transit. Intensification of the County campus with project development is consistent with the DPP strategy of compact development. These uses will be in an urban developed area, with existing similar uses, and therefore would not conflict with existing land use in the area. No mitigation was required.

4.10.3 Revised COB3 Project Impact

The Revised COB3 Project would be similar to the COB3 development previously evaluated in the 2018 EIR. The proposed project would not divide an established community (Threshold a). The Revised COB3 Project would not create new conflicts with adopted land use plans governing the project. The City's DPP does not apply to the project but the project is consistent with development in the downtown core with regard to building height, building mass, and civic use (Threshold b). The redesigned COB3 structure would not change the approved use of the building for government administration purposes or increase the development density of the developed government center campus beyond the level described in the 2018 EIR as shown in Table 2 (Threshold c).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.11 MINERAL RESOURCES

4.11.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the project would have a significant impact to mineral resources if it would:

- (a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state; or
- (b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan.

4.11.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no impacts on mineral resources. The project site is located in a developed urban area. No mineral resources have been identified on or near the project site (San Mateo County General Plan Mineral Resources map, 1986). Therefore, the proposed project would have no impact on mineral resources. No mitigation was required.

4.11.3 Revised COB3 Project Impact

The Revised COB3 Project would be similar to the development previously evaluated in the 2018 EIR. The proposed Revised COB3 Project would not result in any change in impacts on mineral resources compared to the approved project. The proposed project would not impact mineral resources (Thresholds a and b).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.12 NOISE

4.12.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant noise and vibration impact if it would result in:

- (a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.
- (b) Generation of excessive ground-borne vibration or ground-borne noise levels.
- (c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted within two miles of a public airport or public use airport, exposure to people residing or working in the project area to excessive noise levels

4.12.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would have no impact or a less-than-significant impact on noise, with the exception of a temporary increase in noise levels during project construction, which required the implementation of Mitigation Measure NOI-1.

The 2018 EIR determined the COB3 building would have interior noise levels that are consistent with the requirements identified in Section 5.507.4.2 of the California Green Building Standards Code, based on the ambient noise environment in which it is located. The 2018 EIR also determined project construction activities would occur between the hours of 7:00 A.M. to 6:00 P.M. on weekdays and 9:00 A.M. to 5:00 P.M. on Saturdays, consistent with Chapter 4.88 of the County Ordinance Code. Based on these factors, the 2018 EIR determined the project would not expose people to or generate noise levels in excess of standards maintained by the County and that this impact was less than significant.

Although construction would occur within the hours specified in the County Ordinance Code, the 2018 EIR determined noise generated during construction activities would result in a potentially significant temporary or periodic increase in noise levels, because project construction could expose receptors at Indigo Apartments to construction noise for approximately 26 months. The

2018 EIR required the implementation of Mitigation Measure NOI-1 to reduce this impact to a less-than-significant level. Mitigation Measure NOI-1 is presented below:

Mitigation Measure NOI-1: To reduce demolition and construction noise impacts on adjacent land uses, the County shall require the following construction-period noise abatement measures:

- **Construction Plan.** Prepare a detailed construction plan identifying the schedule for major noise-generating construction activities. The construction plan shall identify a procedure for coordination with nearby noise-sensitive facilities so that construction activities and events can be scheduled to minimize noise disturbance. This plan shall be provided to all noise-sensitive land uses within 500 feet of the construction site.
- **Construction Traffic.** Route all construction traffic to and from the construction site via designated truck routes to the maximum extent feasible. Prohibit construction-related heavy truck traffic in residential areas where feasible.
- **Temporary Barriers.** The County shall install and maintain throughout the duration of all demolition and construction activities, one or more physical barriers capable of achieving a minimum reduction in predicated noise levels of 14 dB. Potential options would include:
 - A concrete, wood, or other barrier installed at-grade (or mounted to structures located at-grade, such as K-Rail) along the project property line. Such a wall/barrier shall consist of material that has a minimum rated transmission loss value of 24 dB (or equivalent rating), and shall contain no gaps in the structure through which noise may pass.
 - Commercially available acoustic panels or other products such as acoustic barrier blankets installed along the project property line, building envelope or, if feasible and necessary, at or near sensitive residential receptor areas.
 - Any combination of noise barriers and commercial products capable of achieving a 14-dB reduction in construction noise levels at sensitive receptor locations.

The 2018 EIR analyzed potential groundborne vibration noise levels that could be generated by the project. The 2018 EIR determined that although construction activities would generate vibration levels that could be “barely perceptible,” they would not be excessive, because these vibration levels would not expose receptors for a prolonged period, nor would they damage any buildings. The 2018 EIR determined the impact with regard to receptor exposure to vibration would be less than significant.

The 2018 EIR determined the project would have a small, but less-than-significant increase in permanent noise levels associated with on-site activities (i.e., vehicular operation in the parking garage; heating, ventilation, and air conditioning (HVAC) systems; and human interaction at in proximity of the COB3 site) and off-site activities (i.e., vehicles operating on roadways in proximity of the site).

The 2018 EIR determined that the project site was located approximately 1.6 miles southeast of the San Carlos Airport, but that the project was outside if the projected 55 dB CNEL contour, and that the project would not expose people working in the project area to excessive aircraft noise levels.

4.12.3 Revised COB3 Project Impact

The Revised COB3 Project would not result in a change in noise impacts beyond those previously assessed in the 2018 EIR. Construction of the project would result in similar, potentially significant construction noise impacts due to the overall duration of construction activities at the COB3 site. Mitigation Measure NOI-1 would still be required and remains sufficient to reduce temporary noise level increases to less-than-significant levels (Threshold a).

The Revised COB3 project would continue to result in less-than-significant impacts with regard to all other noise thresholds, including consistency with permanent increases in noise levels, groundborne noise levels/vibration, and worker exposure to aircraft noise (Thresholds a, b, and c). The project does not involve substantial changes that would result in a doubling of vehicular traffic on adjacent roadways, nor does it propose any loud noise generating sources in proximity of COB3 as part of the redesign. The Revised COB3 Project would generate groundborne noise levels and vibration during construction activities; however, the revised project would not involve any construction equipment not previously assessed in the 2018 EIR. No new airports have been constructed in the vicinity of the project site since the 2018 EIR was certified. These impacts would remain less than significant.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.13 POPULATION AND HOUSING

4.13.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant population and housing impact if it would:

- (a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure);
- (b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere.

4.13.2 2018 EIR Impact Summary

The 2018 EIR determined all potential impacts to population and housing from the County Government Center Campus Development Project were less than significant. The proposed project would not induce substantial population growth in the area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure). The project would consolidate some existing County Government functions, which are currently dispersed at other locations along the San Francisco Peninsula, to the County Government Center and proposed COB3 building. The number of employees employed by the County is not expected to increase significantly as a result of the project. The planned parking structure (PS2) would be slightly larger than the anticipated number of County employees to alleviate the parking shortfall in the downtown area. The project would not expand infrastructure capacities that would support development or community growth outside of the project site. The project would not displace any existing housing, necessitating the construction of replacement housing elsewhere. The impacts of population and housing are therefore considered less than significant. No mitigation was required.

4.13.3 Revised COB3 Project Impact

The Revised COB3 Project would occur on the County Government Center campus in the location previously proposed. The project would not displace housing or induce substantial population growth (Thresholds a and b). The modified building space would be occupied by slightly fewer County employees as shown in Table 2. The Revised COB3 Project would have a similar or slightly reduced impact on population from the impact described in the 2018 EIR. Potential impacts on population and housing from the proposed project are less than significant.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.14 PUBLIC SERVICES

4.14.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant public services impact if it would:

- (a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire protection?

Police protection?

Schools?

Parks?

Other public facilities?

4.14.2 2018 EIR Impact Summary

The 2018 EIR for the County Government Center Campus Development Project determined the project is located in an urban area that is well served by local fire, police, and public facilities. The project is the consolidation of County government operations within the County Government Center with urban downtown Redwood City. Any incremental increase in service demand caused by the proposed government office building and parking structure is expected to be minor. The project does not propose new housing; therefore, it is not expected to impact local schools. The project would not increase the use of or otherwise impact existing neighborhood or regional parks facilities. All potential impacts to public services and facilities from the project were less than significant. No mitigation is required.

4.14.3 Revised COB3 Project Impact

The Revised COB3 Project involves a redesign of a county administration building with a function and occupancy capacity similar to the original project. The increased building space by 21,000 sf is largely to provide increased space for departmental conferencing. This change would not substantially change the fire and police protection services required for the building described in the 2018 EIR. The COB3 design change would not schools, parks, or other facilities (Threshold a).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.15 RECREATION

4.15.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant recreation impact if it would:

- (a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated; or
- (b) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

4.15.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project would create new public spaces in the Redwood City downtown area through creation of a public plaza and a pedestrian promenade. The project would provide extended public space and pedestrian access compared to existing conditions. The project consolidation of County employees in the downtown area would not increase the use of existing neighborhood or regional parks or other recreational facilities such that the physical deterioration of the facility would occur or be accelerated. The impact to recreation was considered less than significant. No mitigation was required.

4.15.3 Revised COB3 Project Impact

The Revised COB3 Project would be similar to the previously approved COB3 in the County Government Center Campus Development Project described in the 2018 EIR. The Revised COB3 Project also includes development of a public plaza and promenade, which has the beneficial effect of creating new public gathering space in the downtown area. The Revised COB3 Project would reduce the number of County employees consolidated at the County Government Center campus by half (Table 2), which would have negligible effect on existing neighborhood or regional parks or other recreational facilities and would not lead to the construction or expansion of recreational facilities (Thresholds a and b). The project would have a less-than-significant impact on public recreation facilities as described in the 2018 EIR.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.16 TRANSPORTATION

4.16.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant transportation impact if it would:

- (a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities, and parking;
- (b) Conflict or be inconsistent with CEQA Guidelines section 15064.3(b) Criteria for Analyzing Transportation Impacts;
- (c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment);

(d) Result in inadequate emergency access.

4.16.2 2018 EIR Impact Summary

The 2018 EIR determined that all potential impacts to transportation from the County Government Center Campus Development Project were less than significant except for operations at the Main Street and Woodside Road Westbound Ramp intersection under the cumulative conditions. The intersection is operated by the City of Redwood City. The project would add 14 trips to this intersection, causing the delay for the worst approach (westbound) at this intersection to increase by more than 5.0 seconds, which is the City's significance threshold. While the City assesses a Traffic Impact Fee on new development, County payment into the City's Traffic Impact Fee would not be directly applied toward improvements at this intersection and therefore, would not provide effective mitigation of the project impact. Without a direct funding mechanism addressing this intersection, the project's 14 vehicle trip contribution to the cumulative traffic condition at this intersection is significant and unavoidable.

The County incorporated Transportation Demand Management (TDM) measures into the project design as described in the Transportation Impact Assessment prepared for the 2018 EIR (Table 10-5). Mitigation Measure TRA-1 required preparation of a TDM plan to ensure proper implementation of these measures as follows:

Mitigation Measure TRA-1: The TIA prepared for the proposed project takes credit for implementation of TDM in the calculation of trips generated by the project. To ensure the credits have been appropriately applied to the project the County shall prepare a TDM Plan specific to the project. The TDM Plan shall identify specific TDM measures that will be implemented by the County, consistent with County practices and current standards of transportation management. Table 10-5 of this Draft EIR presents measures available to the County for implementation. The TDM Plan shall include the following:

- Identification of Performance Standards: This EIR assumed a five percent peak-hour and four percent daily trip reduction to the net new trips generated by the COB3 office to account for the high level of transit use at this location. After applying the trip reductions for relocated employees and transit usage, the project is estimated to generate 2,976 net new daily trips, including a net 232 AM peak-hour trips and a net 300 PM peak-hour trips (see Table 10-2, of the Draft EIR). The TDM Plan shall identify this information as the performance standard that the County shall achieve;
- Identification of specific TDM measures applied to the project;
- Plan Implementation: A description of how each identified measure will be implemented and maintained over the life of the project, including, but not limited to, the transportation demand management goals targeted for the various measures;
- Designated TDM Contact. Designation of a County Department and staff person as the official contact for the TDM Plan; and
- Site Plan. The project plans shall identify TDM design elements including:
 - External: preferential parking areas, paid parking areas, bicycle connections, bicycle parking, location of on-site amenities, passenger loading areas, land dedicated for transit facilities and bus shelters, direct route to transit, and pedestrian connections; and
 - Internal: showers/lockers, information boards/kiosks, employee incentive and education programs, ATM, convenience retail, post office, cafeteria, limited food service establishment, exercise facilities.

The 2018 EIR found the project is well served by existing pedestrian, bicycle, and transit facilities and is not expected to cause any impacts to the local transit services. The 400 new employees working at COB3 are estimated to result in an increase of 44 new transit trips, an

increase of less than one rider per bus/train during each peak-hour due to the high volumes of transit services available within walking distance to the County Government Center. The project is not expected to cause any impacts to the local transit services. The project does not conflict with policies, plans, or programs for transit, bicycle, or pedestrian facilities.

No major operational issues were identified with the addition of project traffic to the project driveways. Transportation Demand Management measures were incorporated into the project design to reduce vehicle trips and encourage employees to use alternate modes of transportation. Development site plans provided adequate site distance for project driveways. The project would result in an increase of pedestrian/bicycle conflicts with vehicles due to an increase in vehicle traffic at the project driveways and the projected increase in pedestrian and bicycle traffic in the County Government Center area. However, the project would improve the pedestrian environment in the project vicinity by creating a large pedestrian promenade connecting all office buildings in the Government Center and bulb-outs at nearly all intersections that would require crossing, and wide, striped crosswalks at intersections along bus stops. Therefore, impacts resulting from increased hazards due to a design feature are considered less than significant. The uses proposed by the project are typical of an urban downtown environment and do not represent incompatible uses that would result in significant hazards. Further, the project would be designed to accommodate emergency vehicles and will be subject to City fire department review, and therefore would not result in inadequate emergency access. The hazard impact and emergency access impact are considered less than significant.

4.16.3 Revised COB3 Project Impact

The Revised COB3 Project would not result in conflicts or impacts related to transportation program, plan, ordinance, or policy addressing the circulation system or alternate transportation modes similar to the approved project (Threshold a).

The Revised COB3 Project would reduce building occupancy capacity from the approved project (Table 2) by 16 employees. The change in departmental programming of the building would cut in half the number of off-site employees relocating to the County Government Center campus (from 400 to 201; Table 2). This reduction would substantially decrease the vehicle trips from the levels analyzed in the 2018 EIR and could potentially reduce the project's contribution toward cumulative impacts at the Main Street/Woodside Road West Bound Ramp intersection. The Revised COB3 Project would continue to implement TDM measures to reduce the demand for vehicle trips generated by the project as part of congestion management. Mitigation Measure TRA-1 identified in the 2018 EIR would remain sufficient to address vehicle trip impacts associated with the Revised COB3.

The CEQA Guidelines were updated in 2019 and modified how the significance of transportation impacts are assessed. Whereas the 2018 EIR evaluated impacts based on standards for roadway and intersection operating conditions (levels of service), under the new CEQA guidelines, the metric for evaluating significant transportation impacts is based on vehicle miles traveled. CEQA Guideline 15064.3 states, "Generally, vehicle miles traveled is the most appropriate measure of transportation impacts. For the purposes of this section, "vehicle miles traveled" refers to the amount and distance of automobile travel attributable to a project. Other relevant considerations may include the effects of the project on transit and non-motorized travel."

For land use projects such as the Revised COB3 project, "projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact" (CEQA Guidelines § 15064.3[b][1]). The Revised COB3 is located on the County block adjacent to the Hall of Justice at 400 County Center, which is 0.3 miles from the Redwood City Transit Center. The transit center is a 6-minute walk and 2-minute bike ride to the COB3 project site via Marshall Street and is served by Caltrain and by San Mateo County Transit District (SamTrans) bus routes.

Based on proximity of the COB3 project site to the high-quality transit available at the Redwood City Transit Center, the County employees relocated to the County Government Center through the Revised COB3 project would have a less than significant transportation impact (Threshold b).

The Revised COB3 Project does not involve changes in roadway geometrics or introduce incompatible uses to roads that would create hazardous conditions (Threshold c). The COB3 redesign would not hinder emergency access (Threshold d).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.17 TRIBAL CULTURAL RESOURCES

4.17.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant tribal cultural resource impact if it would:

- (a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place or cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:
 - i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)
 - ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in Subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in Subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

4.17.2 2018 EIR Impact Summary

The 2018 EIR determined the County Government Center Campus Development Project could impact tribal cultural resources if resources are uncovered during project construction activities. No known tribal cultural resources are identified within a one-half mile radius of the site; however, the area is considered sensitive for these resources by the Native American Heritage Commission. The site is located on alluvial soils that once were on or near the shores of San Francisco Bay and have a high potential of preserving artifacts that may be present. Native soils would therefore have a moderate to high potential of containing Native American sites or artifacts. The 2018 EIR required Mitigation Measure CUL-2B to protect and safeguard archaeological resources including tribal cultural resources. Mitigation Measure CUL-2B is presented above in Cultural Resources, section 4.5.2

4.17.3 Revised COB3 Project Impact

The Revised COB3 Project would be constructed within the same building envelope previously approved for COB3 in the County Government Center Campus Development Project. No tribal cultural resources are known to occur on the project site; however, there is a potential for undiscovered archaeological and paleontological resources to exist. Mitigation Measure CUL-2B is required in the 2018 EIR to reduce potential cultural resource impacts to less-than-significant

levels. These measures are sufficient to reduce tribal cultural resource impacts from the Revised COB3 Project to a less-than-significant level (Threshold b).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.18 UTILITIES AND SERVICE SYSTEMS

4.18.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the following factors were considered in determining whether the proposed project would have a significant utility impact. Would the project:

- (a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects?
- (b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?
- (c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?
- (d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?
- (e) Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?

4.18.2 2018 EIR Impact Summary

The 2018 EIR determined all potential impacts to utilities and service systems from the County Government Center Campus Development Project were less than significant. Redwood City estimated that the proposed project would result in a net new water demand of 18,028 gallons per day or 20.19 acre-feet per year and confirmed it has sufficient potable water supply for the project. The County estimated wastewater generation of 15,769 gallons per day, which did not receive adverse comments from the City regarding wastewater facilities capacity. The project is subject to the County's Stormwater Pollution Prevention Program, which contains regulations regarding the creation and replacement of impervious surfaces. Storm runoff would not result in additional sources of polluted runoff, or additional volume or flow rate that would result in significant impacts to existing stormwater facilities.

The project site is served by Ox Mountain Landfill, which has an estimated remaining capacity of approximately 22 million cubic yards and anticipated closure date of 2034. The County implements various programs through its Office of Sustainability to reduce solid waste generation and increase diversion of recyclable materials and organic materials from landfills. The County would implement a Waste Management Plan to demonstrate compliance with County regulations to salvage, reuse, or recycle all inert solids and at least 65% of construction and demolition debris created by the project. The project would not result in an inordinate amount of solid waste generation compared to similar types of other developments.

4.18.3 Revised COB3 Project Impact

The Revised COB3 Project would not result in any new or worsened impacts on utilities or service systems. The proposed project would increase building space by 21,000 sf and reduce building occupancy by 16 employees. These changes would not result in a substantially different amount of water used, wastewater generated, and solid waste generated compared to the approved project. As a result, the project impacts on utilities and service systems remain less than significant.

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.19 WILDFIRE

4.19.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the proposed project would have a significant wildfire impact if it would:

- (a) Substantially impair an adopted emergency response plan or emergency evacuation plan?
- (b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?
- (c) Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?
- (d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

4.19.2 2018 EIR Impact Summary

Wildfire impact is not addressed in the 2018 EIR. Wildfire was added to the CEQA Guidelines Appendix G Environmental Checklist in 2019 after certification of the 2018 EIR.

4.19.3 Revised COB3 Project Impact

The Revised COB3 Project site is located in a downtown urban area of Redwood City. The site is readily accessible to emergency services and would not impair an adopted emergency response plan or evacuation plan (Threshold a). The COB3 site is located in the flat lands associated with the San Francisco Bay and is not located near areas subject to high fire risk. The project is consistent with type of development occurring in the downtown core of Redwood City and would not exacerbate wildfire risks or expose project occupants to pollutants from wildfire or the spread of wildfire (Threshold c). The project does not require the installation of wildfire management measures (Threshold d). The project would not expose people or structures to risk from post-fire changes such as downstream flooding or downslope landslides (Threshold d). As a result, the Revised COB3 Project would have no or less than significant impact associated with wildfire.

The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

4.20 MANDATORY FINDINGS OF SIGNIFICANCE

4.20.1 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines and the San Mateo County Initial Study Environmental Evaluation Checklist, the project would have a significant impact with regard to mandatory findings of significance if it would:

- (a) Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory;
- (b) Have impacts that are individually limited, but cumulatively considerable ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects); or
- (c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.

4.20.2 2018 EIR Impact Summary

The 2018 EIR for the County Government Center Campus Development Project determined that the project impacts related to biological resources and cultural resources would be mitigated to a less-than-significant level. With mitigation, the project would not have the potential to degrade the quality of the environment; reduce the habitat of a fish or wildlife species; cause a fish or wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; reduce the number or restrict the range of a rare or endangered plant or animal; or eliminate important examples of California history or prehistory. The project site is already developed and is in an urban area and thus was found to be unlikely to disturb sensitive natural or cultural resources (Threshold a).

The 2018 EIR found one project traffic impact at the Main Street/Woodside Road Westbound Ramp intersection that was individually minor but cumulatively significant and unavoidable when considered with other approved development. The project was found not to contribute to cumulative impacts to resources where it was found to have no impacts, found to have site-specific less-than-significant impacts that were not expected to combine with other projects, or found to have potentially significant impacts that were reduced to less-than-significant levels and therefore were not cumulatively considerable (Threshold b).

The 2018 EIR also determined that the project would not have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly. Air quality, climate change, and noise impacts from the proposed project would be temporary impacts associated with project construction and would be mitigated to less-than-significant levels (Threshold c).

4.20.3 Revised COB3 Project Impact

The Revised COB3 Project would be larger in building space and substantially the same in building function, occupancy, and development envelope as described in the 2018 EIR for the previously approved COB3. The Revised COB3 Project does not involve any changes that could result in new impacts with respect to mandatory findings than those considered in the 2018 EIR. As identified in this checklist, the proposed project would not result in a new or substantially more severe significant effect than that considered in the 2018 EIR. The project would result in substantially the same type of development at a similar intensity, and remain subject to plans, permits, and approvals that are substantially the same as that considered in

the 2018 EIR. Therefore, the proposed project results in the same or less overall change and impact to the environment than described in the 2018 EIR (Thresholds a through c).

All potential impacts were previously addressed in the 2018 EIR. The Revised COB3 Project would not result in new significant or more severe impact than that identified in the 2018 EIR. There are no changed circumstances or new information that affect the conclusions of the 2018 EIR or require the evaluation of new mitigation or alternatives.

Appendix A. COB3 Drawings



Appendix B. Air Quality/GHG Emissions Modeling

San Mateo County Government Center Campus Development Project EIR Addendum

Appendix B-1

Summary of CalEEMod Emission Estimates

Prepared by MIG, Inc.

February 2021

Note: Appendix B-1 summarizes the raw CalEEMod output files contained in Appendix B-2. For estimating daily construction emissions, it was assumed there would be 110 days in 2018, 264 days in 2019 - 2022, and 88 days in 2023. For operational emissions, the contribution from mobile source have been net out since the proposed Project would result in a net decrease in VMT.

UNMITIGATED: CONSTRUCTION CRITERIA AIR POLLUTANT EMISSIONS

Table B-1.1: COB3 Construction - Unmitigated Criteria Air Pollutant Construction Emissions

Year	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2021	0.2214	2.3977	2.1641	4.35E-03	0.0769	0.1099	2.28E-02	0.1013
2022	0.3212	3.3705	3.3819	6.46E-03	0.0964	0.1548	0.0263	0.1424
2023	1.1507	0.7024	0.7886	1.51E-03	0.023	0.0321	6.28E-03	0.0295

Table B-1.2: Promenade - Unmitigated Criteria Air Pollutant Construction Emissions

Year	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2022	0.0218	0.1983	0.2308	4.00E-04	0.0118	9.78E-03	5.24E-03	9.13E-03
2023	0.0206	0.1053	0.1542	2.60E-04	3.34E-03	5.23E-03	8.90E-04	4.86E-03

Table B-1.3: Unmitigated Criteria Air Pollutant Construction Emissions Compilation

Year	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2021	0.2214	2.3977	2.1641	0.0044	0.0769	0.1099	0.0228	0.1013
2022	0.3430	3.5688	3.6127	0.0069	0.1082	0.1646	0.0315	0.1515
2023	1.1713	0.8077	0.9428	0.0018	0.0263	0.0373	0.0072	0.0344
Year	lbs/day							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2021	4.0255	43.5945	39.3473	0.0791	1.3982	1.9982	0.4145	1.8418
2022	2.5985	27.0364	27.3689	0.0520	0.8197	1.2468	0.2389	1.1480
2023	26.6205	18.3568	21.4273	0.0402	0.5986	0.8484	0.1630	0.7809
BAAQMD Threshold	54	54	--	--	BMPs	82	BMPs	82
Potent Sig Impact?	No	No	No	No	No	No	No	No

MITIGATED: CONSTRUCTION CRITERIA AIR POLLUTANT EMISSIONS

Table B-1.4: COB3 Construction - Mitigated Criteria Air Pollutant Construction Emissions

Year	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2021	0.1041	1.8965	2.4538	4.35E-03	0.0716	0.0826	2.04E-02	0.0833
2022	0.1508	2.8203	3.8399	6.46E-03	0.0964	0.1301	0.0263	0.1301
2023	1.1164	0.6389	0.8983	1.50E-03	0.023	0.0305	6.28E-03	0.0305

Table B-1.5: Promenade - Mitigated Criteria Air Pollutant Construction Emissions

Year	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2022	0.0134	0.1850	0.2616	4.00E-04	7.53E-03	0.0105	2.94E-03	0.0105
2023	0.0162	0.1160	0.1748	2.60E-04	3.34E-03	6.58E-03	8.90E-04	6.58E-03

Table B-1.6: Mitigated Criteria Air Pollutant Construction Emissions Compilation

Year	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2021	0.1041	1.8965	2.4538	0.0044	0.0716	0.0826	0.0204	0.0833
2022	0.1642	3.0053	4.1015	0.0069	0.1039	0.1406	0.0292	0.1406
2023	1.1326	0.7549	1.0731	0.0018	0.0263	0.0371	0.0072	0.0371
Year	lbs/day							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
2021	1.8927	34.4818	44.6145	0.0791	1.3018	1.5018	0.3709	1.5145
2022	1.2439	22.7674	31.0720	0.0520	0.7873	1.0652	0.2215	1.0652
2023	8.5803	5.7189	8.1295	0.0133	0.1995	0.2809	0.0543	0.2809
BAAQMD Threshold	54	54	--	--	BMPs	82	BMPs	82
Potent Sig Impact?	No	No	No	No	No	No	No	No

OPERATIONAL CRITERIA AIR POLLUTANT EMISSIONS

Table B-1.7: 2023 Operational - Unmitigated / Mitigated Criteria Air Pollutant Emissions

Source	tons/yr							
	ROG	NOx	CO	SO2	Fug. PM10	Exh. PM10	Fug. PM2.5	Exh. PM2.5
Area	0.9620	0.0001	0.0064	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0216	0.1964	0.1650	0.0012	0.0000	0.0149	0.0000	0.0149
Mobile	0.3211	0.7040	2.2295	0.0047	0.4001	0.0049	0.1075	0.0045
Total	0.6625	-0.5075	-2.0581	-0.0035	-0.4001	0.0100	-0.1075	0.0104
BAAQMD Threshold	10	10	--	--	None	82	None	82
Potent Sig Impact?	No	No	No	No	No	No	No	No

CONSTRUCTION GREENHOUSE GAS EMISSIONS

Table B-1.8: Lathrop House Move - Unmitigated GHG Construction Emissions

Year	Metric tons / yr			
	CO2	CH4	N2O	CO2e
2018	0.6887	1.80E-04	0	0.6933

Table B-1.9: Parking Structure, Demolition of Credit Union, Temporary Parking Lot - Unmitigated GHG Construction Emissions

Year	Metric tons / yr			
	CO2	CH4	N2O	CO2e
2018	169.2136	0.0366	0	170.1277
2019	905.2185	0.1509	0	908.9915
2020	270.1523	0.0447	0	271.2687

Table B-1.10: COB3 - Unmitigated GHG Construction Emissions

Year	Metric tons / yr			
	CO2	CH4	N2O	CO2e
2021	394.9959	0.0936	0	397.3351
2022	582.825	0.1455	0	586.4621
2023	135.7934	0.0336	0	136.6345

Table B-1.11: Promenade - Unmitigated GHG Construction Emissions

Year	Metric tons / yr			
	CO2	CH4	N2O	CO2e
2022	34.8846	8.77E-03	0	35.1039
2023	22.348	6.00E-03	0	22.4981

Table B-1.12: Unmitigated GHG Construction Emissions Compilation

Year	Metric tons / yr			
	CO2	CH4	N2O	CO2e
2018	169.9023	0.03678	0	170.821
2019	905.2185	0.1509	0	908.9915
2020	270.1523	0.08707	0	443.0071
2021	394.9959	0.0936	0	397.3351
2022	617.7096	0.15427	0	621.566
2023	158.1414	0.0396	0	159.1326
Total	2516.12	0.56222	0	2700.853
Amortized	83.87067	0.018741	0	90.02844

OPERATIONAL GHG EMISSIONS

Table B-1.13: 2023 Operational - Unmitigated GHG Emissions

Source	Metric tons / yr			
	CO2	CH4	N2O	CO2e
Area	0.01	0.00	0.00	0.01
Energy	213.88	0.00	0.00	215.08
Mobile	431.44	0.02	0.00	431.95
Waste	39.13	2.31	0.00	96.94
Water	13.06	1.34	0.03	56.05
Amortized Const	83.87	0.02	0.00	90.03
Total	-81.48	3.66	0.04	26.17
BAAQMD 2020-Threshold				1100.00
Project-specific 2030 Goal				660.00
Potentially Significant Impact?				No

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

COB3 EIR Addendum (COB3 Construction)**San Mateo County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	207.28	1000sqft	1.66	207,276.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

Project Characteristics - MIG Modeler: Phil Gleason; Model run for revised project (207,276 gross square feet).

Land Use - Lot acreage updated to reflect building footprint.

Construction Phase - Schedule updated to reflect construction recommencing in mid-April 2021 and ending mid-April 2023; phase durations for all elements left the same other than vert building construction.

Off-road Equipment -

Off-road Equipment - Demo: No demo phase.

Off-road Equipment - Foundation Construction: Updated consistent with equipment list used in 2018 EIR.

Off-road Equipment - Grading: Updated consistent with equipment list used in 2018 EIR.

Off-road Equipment - Site Prep: No site prep phase.

Off-road Equipment - Vertical Development: Equipment scaled up based on size of building (207,276 sf vs. 186,000 sf) and decreased phase duration (402 days vs. 440 days).

Trips and VMT -

Grading - Assumes grading of the site again, twice; remaining spoils would require offhaul of 4,250 CY.

Construction Off-road Equipment Mitigation - Watering 2x per day to comply with BAAQMD fugitive dust BMPs; equipment >50hp would be required to be Tier III.

[illegible]

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	200.00	85.00
tblConstructionPhase	NumDays	200.00	402.00
tblConstructionPhase	NumDays	10.00	15.00
tblGrading	AcresOfGrading	0.00	3.32
tblGrading	MaterialExported	0.00	4,250.00
tblLandUse	LandUseSquareFeet	207,280.00	207,276.00
tblLandUse	LotAcreage	4.76	1.66
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	4.90
tblOffRoadEquipment	UsageHours	6.00	7.30
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	6.50

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

tblOffRoadEquipment	UsageHours	7.00	6.00
tblTripsAndVMT	WorkerTripNumber	0.00	13.00
tblTripsAndVMT	WorkerTripNumber	0.00	8.00

2.0 Emissions Summary

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

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					
2021	0.2214	2.3977	2.1641	4.3500e-003	0.0769	0.1099	0.1868	0.0228	0.1013	0.1240	0.0000	394.9959	394.9959	0.0936	0.0000	397.3351
2022	0.3212	3.3705	3.3819	6.4600e-003	0.0964	0.1548	0.2511	0.0263	0.1424	0.1687	0.0000	582.8250	582.8250	0.1455	0.0000	586.4621
2023	1.1507	0.7024	0.7886	1.5100e-003	0.0230	0.0321	0.0551	6.2800e-003	0.0295	0.0358	0.0000	135.7934	135.7934	0.0336	0.0000	136.6345
Maximum	1.1507	3.3705	3.3819	6.4600e-003	0.0964	0.1548	0.2511	0.0263	0.1424	0.1687	0.0000	582.8250	582.8250	0.1455	0.0000	586.4621

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					
2021	0.1041	1.8965	2.4538	4.3500e-003	0.0716	0.0836	0.1552	0.0204	0.0833	0.1037	0.0000	394.9956	394.9956	0.0936	0.0000	397.3348
2022	0.1508	2.8203	3.8399	6.4600e-003	0.0964	0.1301	0.2265	0.0263	0.1301	0.1564	0.0000	582.8245	582.8245	0.1455	0.0000	586.4616
2023	1.1164	0.6389	0.8983	1.5100e-003	0.0230	0.0305	0.0535	6.2800e-003	0.0305	0.0367	0.0000	135.7933	135.7933	0.0336	0.0000	136.6344
Maximum	1.1164	2.8203	3.8399	6.4600e-003	0.0964	0.1301	0.2265	0.0263	0.1301	0.1564	0.0000	582.8245	582.8245	0.1455	0.0000	586.4616

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	19.02	17.23	-13.54	0.00	2.67	17.72	11.73	4.34	10.75	9.68	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	4-15-2021	7-14-2021	0.7647	0.6271
2	7-15-2021	10-14-2021	0.9450	0.7187
3	10-15-2021	1-14-2022	1.0384	0.7586
4	1-15-2022	4-14-2022	0.9133	0.7352
5	4-15-2022	7-14-2022	0.9210	0.7409
6	7-15-2022	10-14-2022	0.9316	0.7495
7	10-15-2022	1-14-2023	0.9188	0.7481
8	1-15-2023	4-14-2023	1.6320	1.5494
		Highest	1.6320	1.5494

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

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	0.9178	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	966.3409	966.3409	0.0381	0.0110	970.5601
Mobile	0.3881	1.0974	4.4306	0.0159	1.5392	0.0126	1.5518	0.4136	0.0118	0.4254	0.0000	1,452.246 2	1,452.246 2	0.0518	0.0000	1,453.541 1
Waste						0.0000	0.0000		0.0000	0.0000	39.1306	0.0000	39.1306	2.3126	0.0000	96.9443
Water						0.0000	0.0000		0.0000	0.0000	11.6878	80.9822	92.6700	1.2041	0.0291	131.4455
Total	1.3274	1.2938	4.5975	0.0170	1.5392	0.0276	1.5667	0.4136	0.0267	0.4404	50.8184	2,499.573 0	2,550.391 4	3.6066	0.0401	2,652.495 1

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

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	0.9178	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	966.3409	966.3409	0.0381	0.0110	970.5601
Mobile	0.3881	1.0974	4.4306	0.0159	1.5392	0.0126	1.5518	0.4136	0.0118	0.4254	0.0000	1,452.2462	1,452.2462	0.0518	0.0000	1,453.5411
Waste						0.0000	0.0000		0.0000	0.0000	39.1306	0.0000	39.1306	2.3126	0.0000	96.9443
Water						0.0000	0.0000		0.0000	0.0000	11.6878	80.9822	92.6700	1.2041	0.0291	131.4455
Total	1.3274	1.2938	4.5975	0.0170	1.5392	0.0276	1.5667	0.4136	0.0267	0.4404	50.8184	2,499.5730	2,550.3914	3.6066	0.0401	2,652.4951

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/15/2021	4/14/2021	5	0	
2	Grading	Grading	4/15/2021	5/12/2021	5	20	
3	Site Preparation	Site Preparation	5/13/2021	5/12/2021	5	0	
4	Foundation Construction	Building Construction	5/13/2021	9/8/2021	5	85	
5	Vertical Development	Building Construction	9/9/2021	3/26/2023	5	402	
6	Architectural Coating	Architectural Coating	3/27/2023	4/14/2023	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.32

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 310,914; Non-Residential Outdoor: 103,638; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Sweepers/Scrubbers	1	2.00	64	0.46
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Foundation Construction	Bore/Drill Rigs	1	4.00	221	0.50
Foundation Construction	Forklifts	2	6.00	89	0.20
Foundation Construction	Other Construction Equipment	3	8.00	172	0.42
Foundation Construction	Sweepers/Scrubbers	1	2.00	64	0.46
Foundation Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Vertical Development	Cement and Mortar Mixers	0	6.00	9	0.56
Vertical Development	Cranes	1	4.90	231	0.29
Vertical Development	Forklifts	2	7.30	89	0.20
Vertical Development	Generator Sets	0	8.00	84	0.74
Vertical Development	Other Construction Equipment	4	7.30	172	0.42
Vertical Development	Pavers	0	6.00	130	0.42
Vertical Development	Paving Equipment	0	8.00	132	0.36
Vertical Development	Rollers	0	7.00	80	0.38
Vertical Development	Tractors/Loaders/Backhoes	3	6.50	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

COB3 EIR Addendum (COB3 Construction) - San Mateo County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	531.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Construction	9	66.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Vertical Development	10	66.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

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

3.3 Grading - 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					
Fugitive Dust					9.5300e-003	0.0000	9.5300e-003	4.3600e-003	0.0000	4.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5400e-003	0.0777	0.0806	1.3000e-004		4.4500e-003	4.4500e-003		4.2300e-003	4.2300e-003	0.0000	10.9677	10.9677	2.1200e-003	0.0000	11.0207
Total	8.5400e-003	0.0777	0.0806	1.3000e-004	9.5300e-003	4.4500e-003	0.0140	4.3600e-003	4.2300e-003	8.5900e-003	0.0000	10.9677	10.9677	2.1200e-003	0.0000	11.0207

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3.3 Grading - 2021**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	2.2400e-003	0.0790	0.0370	2.1000e-004	4.4400e-003	2.4000e-004	4.6800e-003	1.2200e-003	2.3000e-004	1.4500e-003	0.0000	21.8064	21.8064	2.7900e-003	0.0000	21.8762
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	3.3000e-004	2.2000e-004	2.3400e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8219	0.8219	1.0000e-005	0.0000	0.8223
Total	2.5700e-003	0.0792	0.0393	2.2000e-004	5.4600e-003	2.5000e-004	5.7100e-003	1.4900e-003	2.4000e-004	1.7300e-003	0.0000	22.6283	22.6283	2.8000e-003	0.0000	22.6985

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					4.2900e-003	0.0000	4.2900e-003	1.9600e-003	0.0000	1.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8200e-003	0.0666	0.0824	1.3000e-004		4.1200e-003	4.1200e-003		4.0900e-003	4.0900e-003	0.0000	10.9677	10.9677	2.1200e-003	0.0000	11.0207
Total	5.8200e-003	0.0666	0.0824	1.3000e-004	4.2900e-003	4.1200e-003	8.4100e-003	1.9600e-003	4.0900e-003	6.0500e-003	0.0000	10.9677	10.9677	2.1200e-003	0.0000	11.0207

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3.3 Grading - 2021

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	2.2400e-003	0.0790	0.0370	2.1000e-004	4.4400e-003	2.4000e-004	4.6800e-003	1.2200e-003	2.3000e-004	1.4500e-003	0.0000	21.8064	21.8064	2.7900e-003	0.0000	21.8762
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	3.3000e-004	2.2000e-004	2.3400e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8219	0.8219	1.0000e-005	0.0000	0.8223
Total	2.5700e-003	0.0792	0.0393	2.2000e-004	5.4600e-003	2.5000e-004	5.7100e-003	1.4900e-003	2.4000e-004	1.7300e-003	0.0000	22.6283	22.6283	2.8000e-003	0.0000	22.6985

3.4 Site Preparation - 2021

Unmitigated Construction On-Site

[illegible]

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3.4 Site Preparation - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.4 Site Preparation - 2021**Mitigated Construction Off-Site**

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

3.5 Foundation 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	0.0856	0.8810	0.8484	1.3800e-003		0.0476	0.0476		0.0438	0.0438	0.0000	120.9480	120.9480	0.0391	0.0000	121.9259
Total	0.0856	0.8810	0.8484	1.3800e-003		0.0476	0.0476		0.0438	0.0438	0.0000	120.9480	120.9480	0.0391	0.0000	121.9259

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3.5 Foundation Construction - 2021**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	4.6100e-003	0.1505	0.0646	3.8000e-004	9.4200e-003	3.4000e-004	9.7600e-003	2.7200e-003	3.3000e-004	3.0500e-003	0.0000	37.8161	37.8161	3.2700e-003	0.0000	37.8978
Worker	7.1500e-003	4.6500e-003	0.0504	2.0000e-004	0.0221	1.3000e-004	0.0222	5.8800e-003	1.2000e-004	6.0000e-003	0.0000	17.7335	17.7335	3.2000e-004	0.0000	17.7416
Total	0.0118	0.1551	0.1150	5.8000e-004	0.0315	4.7000e-004	0.0320	8.6000e-003	4.5000e-004	9.0500e-003	0.0000	55.5496	55.5496	3.5900e-003	0.0000	55.6394

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	0.0358	0.6971	1.0026	1.3800e-003		0.0376	0.0376		0.0375	0.0375	0.0000	120.9478	120.9478	0.0391	0.0000	121.9257
Total	0.0358	0.6971	1.0026	1.3800e-003		0.0376	0.0376		0.0375	0.0375	0.0000	120.9478	120.9478	0.0391	0.0000	121.9257

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3.5 Foundation Construction - 2021**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	4.6100e-003	0.1505	0.0646	3.8000e-004	9.4200e-003	3.4000e-004	9.7600e-003	2.7200e-003	3.3000e-004	3.0500e-003	0.0000	37.8161	37.8161	3.2700e-003	0.0000	37.8978
Worker	7.1500e-003	4.6500e-003	0.0504	2.0000e-004	0.0221	1.3000e-004	0.0222	5.8800e-003	1.2000e-004	6.0000e-003	0.0000	17.7335	17.7335	3.2000e-004	0.0000	17.7416
Total	0.0118	0.1551	0.1150	5.8000e-004	0.0315	4.7000e-004	0.0320	8.6000e-003	4.5000e-004	9.0500e-003	0.0000	55.5496	55.5496	3.5900e-003	0.0000	55.6394

3.6 Vertical Development - 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	0.1016	1.0551	0.9699	1.4900e-003		0.0567	0.0567		0.0521	0.0521	0.0000	131.3133	131.3133	0.0425	0.0000	132.3750
Total	0.1016	1.0551	0.9699	1.4900e-003		0.0567	0.0567		0.0521	0.0521	0.0000	131.3133	131.3133	0.0425	0.0000	132.3750

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3.6 Vertical Development - 2021**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	4.4500e-003	0.1452	0.0623	3.7000e-004	9.0900e-003	3.3000e-004	9.4200e-003	2.6300e-003	3.2000e-004	2.9500e-003	0.0000	36.4814	36.4814	3.1500e-003	0.0000	36.5603
Worker	6.9000e-003	4.4900e-003	0.0486	1.9000e-004	0.0213	1.3000e-004	0.0214	5.6700e-003	1.2000e-004	5.7900e-003	0.0000	17.1076	17.1076	3.1000e-004	0.0000	17.1154
Total	0.0114	0.1497	0.1109	5.6000e-004	0.0304	4.6000e-004	0.0309	8.3000e-003	4.4000e-004	8.7400e-003	0.0000	53.5891	53.5891	3.4600e-003	0.0000	53.6756

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	0.0369	0.7489	1.1036	1.4900e-003		0.0406	0.0406		0.0406	0.0406	0.0000	131.3131	131.3131	0.0425	0.0000	132.3749
Total	0.0369	0.7489	1.1036	1.4900e-003		0.0406	0.0406		0.0406	0.0406	0.0000	131.3131	131.3131	0.0425	0.0000	132.3749

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3.6 Vertical Development - 2021**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	4.4500e-003	0.1452	0.0623	3.7000e-004	9.0900e-003	3.3000e-004	9.4200e-003	2.6300e-003	3.2000e-004	2.9500e-003	0.0000	36.4814	36.4814	3.1500e-003	0.0000	36.5603
Worker	6.9000e-003	4.4900e-003	0.0486	1.9000e-004	0.0213	1.3000e-004	0.0214	5.6700e-003	1.2000e-004	5.7900e-003	0.0000	17.1076	17.1076	3.1000e-004	0.0000	17.1154
Total	0.0114	0.1497	0.1109	5.6000e-004	0.0304	4.6000e-004	0.0309	8.3000e-003	4.4000e-004	8.7400e-003	0.0000	53.5891	53.5891	3.4600e-003	0.0000	53.6756

3.6 Vertical Development - 2022**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	0.2872	2.9247	3.0412	4.7400e-003		0.1534	0.1534		0.1412	0.1412	0.0000	416.3801	416.3801	0.1347	0.0000	419.7467
Total	0.2872	2.9247	3.0412	4.7400e-003		0.1534	0.1534		0.1412	0.1412	0.0000	416.3801	416.3801	0.1347	0.0000	419.7467

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3.6 Vertical Development - 2022**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	0.0133	0.4330	0.1973	1.1400e-003	0.0288	9.3000e-004	0.0297	8.3300e-003	8.9000e-004	9.2200e-003	0.0000	114.1854	114.1854	9.9300e-003	0.0000	114.4336
Worker	0.0207	0.0128	0.1435	5.8000e-004	0.0676	4.0000e-004	0.0680	0.0180	3.7000e-004	0.0184	0.0000	52.2595	52.2595	8.9000e-004	0.0000	52.2818
Total	0.0339	0.4458	0.3408	1.7200e-003	0.0964	1.3300e-003	0.0977	0.0263	1.2600e-003	0.0276	0.0000	166.4449	166.4449	0.0108	0.0000	166.7154

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	0.1168	2.3745	3.4992	4.7400e-003		0.1288	0.1288		0.1288	0.1288	0.0000	416.3796	416.3796	0.1347	0.0000	419.7462
Total	0.1168	2.3745	3.4992	4.7400e-003		0.1288	0.1288		0.1288	0.1288	0.0000	416.3796	416.3796	0.1347	0.0000	419.7462

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3.6 Vertical Development - 2022**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	0.0133	0.4330	0.1973	1.1400e-003	0.0288	9.3000e-004	0.0297	8.3300e-003	8.9000e-004	9.2200e-003	0.0000	114.1854	114.1854	9.9300e-003	0.0000	114.4336
Worker	0.0207	0.0128	0.1435	5.8000e-004	0.0676	4.0000e-004	0.0680	0.0180	3.7000e-004	0.0184	0.0000	52.2595	52.2595	8.9000e-004	0.0000	52.2818
Total	0.0339	0.4458	0.3408	1.7200e-003	0.0964	1.3300e-003	0.0977	0.0263	1.2600e-003	0.0276	0.0000	166.4449	166.4449	0.0108	0.0000	166.7154

3.6 Vertical Development - 2023**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	0.0613	0.6114	0.6978	1.0900e-003		0.0313	0.0313		0.0288	0.0288	0.0000	96.1030	96.1030	0.0311	0.0000	96.8800
Total	0.0613	0.6114	0.6978	1.0900e-003		0.0313	0.0313		0.0288	0.0288	0.0000	96.1030	96.1030	0.0311	0.0000	96.8800

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3.6 Vertical Development - 2023**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	2.4300e-003	0.0784	0.0448	2.5000e-004	6.6500e-003	1.1000e-004	6.7600e-003	1.9200e-003	1.1000e-004	2.0300e-003	0.0000	25.5993	25.5993	2.2500e-003	0.0000	25.6556
Worker	4.5300e-003	2.6900e-003	0.0308	1.3000e-004	0.0156	9.0000e-005	0.0157	4.1500e-003	8.0000e-005	4.2300e-003	0.0000	11.6047	11.6047	1.9000e-004	0.0000	11.6093
Total	6.9600e-003	0.0811	0.0757	3.8000e-004	0.0222	2.0000e-004	0.0224	6.0700e-003	1.9000e-004	6.2600e-003	0.0000	37.2040	37.2040	2.4400e-003	0.0000	37.2650

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	0.0270	0.5480	0.8075	1.0900e-003		0.0297	0.0297		0.0297	0.0297	0.0000	96.1029	96.1029	0.0311	0.0000	96.8799
Total	0.0270	0.5480	0.8075	1.0900e-003		0.0297	0.0297		0.0297	0.0297	0.0000	96.1029	96.1029	0.0311	0.0000	96.8799

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3.6 Vertical Development - 2023**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	2.4300e-003	0.0784	0.0448	2.5000e-004	6.6500e-003	1.1000e-004	6.7600e-003	1.9200e-003	1.1000e-004	2.0300e-003	0.0000	25.5993	25.5993	2.2500e-003	0.0000	25.6556
Worker	4.5300e-003	2.6900e-003	0.0308	1.3000e-004	0.0156	9.0000e-005	0.0157	4.1500e-003	8.0000e-005	4.2300e-003	0.0000	11.6047	11.6047	1.9000e-004	0.0000	11.6093
Total	6.9600e-003	0.0811	0.0757	3.8000e-004	0.0222	2.0000e-004	0.0224	6.0700e-003	1.9000e-004	6.2600e-003	0.0000	37.2040	37.2040	2.4400e-003	0.0000	37.2650

3.7 Architectural Coating - 2023**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	1.0808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4400e-003	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178
Total	1.0823	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178

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3.7 Architectural Coating - 2023**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	2.2000e-004	1.3000e-004	1.5200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5714	0.5714	1.0000e-005	0.0000	0.5717
Total	2.2000e-004	1.3000e-004	1.5200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5714	0.5714	1.0000e-005	0.0000	0.5717

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	1.0808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4400e-003	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178
Total	1.0823	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178

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3.7 Architectural Coating - 2023**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	2.2000e-004	1.3000e-004	1.5200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5714	0.5714	1.0000e-005	0.0000	0.5717
Total	2.2000e-004	1.3000e-004	1.5200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5714	0.5714	1.0000e-005	0.0000	0.5717

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive 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	0.3881	1.0974	4.4306	0.0159	1.5392	0.0126	1.5518	0.4136	0.0118	0.4254	0.0000	1,452.246 2	1,452.246 2	0.0518	0.0000	1,453.541 1
Unmitigated	0.3881	1.0974	4.4306	0.0159	1.5392	0.0126	1.5518	0.4136	0.0118	0.4254	0.0000	1,452.246 2	1,452.246 2	0.0518	0.0000	1,453.541 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	2,286.30	509.91	217.64	4,151,016	4,151,016
Total	2,286.30	509.91	217.64	4,151,016	4,151,016

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.470625	0.050338	0.265549	0.140745	0.017339	0.006996	0.024054	0.006595	0.004215	0.003104	0.009159	0.000488	0.000793

5.0 Energy Detail

Historical Energy Use: N

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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	752.5311	752.5311	0.0340	7.0400e-003	755.4797
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	752.5311	752.5311	0.0340	7.0400e-003	755.4797
NaturalGas Mitigated	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
NaturalGas Unmitigated	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804

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					
General Office Building	4.00665e+006	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
Total		0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804

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5.2 Energy by Land Use - NaturalGas**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					
General Office Building	4.00665e+006	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
Total		0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	2.5868e+006	752.5311	0.0340	7.0400e-003	755.4797
Total		752.5311	0.0340	7.0400e-003	755.4797

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	2.5868e+006	752.5311	0.0340	7.0400e-003	755.4797
Total		752.5311	0.0340	7.0400e-003	755.4797

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	0.9178	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003
Unmitigated	0.9178	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003

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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	0.1081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003
Total	0.9178	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003

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	0.1081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003
Total	0.9178	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7000e-003	3.7000e-003	1.0000e-005	0.0000	3.9500e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	92.6700	1.2041	0.0291	131.4455
Unmitigated	92.6700	1.2041	0.0291	131.4455

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	36.8407 / 22.5798	92.6700	1.2041	0.0291	131.4455
Total		92.6700	1.2041	0.0291	131.4455

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	36.8407 / 22.5798	92.6700	1.2041	0.0291	131.4455
Total		92.6700	1.2041	0.0291	131.4455

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.1306	2.3126	0.0000	96.9443
Unmitigated	39.1306	2.3126	0.0000	96.9443

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	192.77	39.1306	2.3126	0.0000	96.9443
Total		39.1306	2.3126	0.0000	96.9443

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	192.77	39.1306	2.3126	0.0000	96.9443
Total		39.1306	2.3126	0.0000	96.9443

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

COB3 EIR Addendum (Promenade Construction) - San Mateo County, Annual

COB3 EIR Addendum (Promenade Construction)

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	0.87	Acre	0.87	37,897.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - MIG Modeler: Phil Gleason. Updated model run to reflect smaller promenade based on larger footprint of COB3.

Land Use -

Construction Phase - Phasing updated to reflect approximate duration as accounted for in 2018 EIR.

Off-road Equipment - Demo: Demo equip removed; no demo phase.

Off-road Equipment - Site Prep: 1 Sweeper / Scrubber added for BAAQMD fugitive dust BMPs.

Off-road Equipment - Grading: 1 Sweeper / Scrubber added for BAAQMD fugitive dust BMPs.

Off-road Equipment - Building Construction: Equipment removed, since no building construction.

Off-road Equipment - Paving: Equipment scaled down from 2018 EIR based on change in size of promenade.

Off-road Equipment -

Construction Off-road Equipment Mitigation - Watering 2x per day to comply with BAAQMD fugitive dust BMPs; all equipment >50hp required to be Tier III.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00

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tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	120.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	PhaseEndDate	2/20/2023	4/12/2023
tblConstructionPhase	PhaseEndDate	2/6/2023	9/19/2022
tblConstructionPhase	PhaseEndDate	9/14/2022	8/31/2022
tblConstructionPhase	PhaseEndDate	9/19/2022	10/12/2022
tblConstructionPhase	PhaseEndDate	2/13/2023	3/29/2023
tblConstructionPhase	PhaseEndDate	9/15/2022	9/14/2022
tblConstructionPhase	PhaseStartDate	2/14/2023	3/30/2023
tblConstructionPhase	PhaseStartDate	9/16/2022	9/15/2022
tblConstructionPhase	PhaseStartDate	2/7/2023	10/13/2022
tblConstructionPhase	PhaseStartDate	9/15/2022	9/1/2022
tblGrading	AcresOfGrading	5.00	0.50
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tbloffRoadEquipment	UsageHours	6.00	3.10
tbloffRoadEquipment	UsageHours	7.00	3.10
tbloffRoadEquipment	UsageHours	7.00	3.60
tbloffRoadEquipment	UsageHours	7.00	3.60

2.0 Emissions Summary

COB3 EIR Addendum (Promenade Construction) - San Mateo County, Annual

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					
2022	0.0218	0.1983	0.2308	4.0000e-004	0.0118	9.7800e-003	0.0216	5.2400e-003	9.1300e-003	0.0144	0.0000	34.8846	34.8846	8.7700e-003	0.0000	35.1039
2023	0.0206	0.1053	0.1542	2.6000e-004	3.3400e-003	5.2300e-003	8.5700e-003	8.9000e-004	4.8600e-003	5.7400e-003	0.0000	22.3480	22.3480	6.0000e-003	0.0000	22.4981
Maximum	0.0218	0.1983	0.2308	4.0000e-004	0.0118	9.7800e-003	0.0216	5.2400e-003	9.1300e-003	0.0144	0.0000	34.8846	34.8846	8.7700e-003	0.0000	35.1039

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					
2022	0.0134	0.1850	0.2616	4.0000e-004	7.5300e-003	0.0105	0.0180	2.9400e-003	0.0105	0.0134	0.0000	34.8846	34.8846	8.7700e-003	0.0000	35.1039
2023	0.0162	0.1160	0.1748	2.6000e-004	3.3400e-003	6.5800e-003	9.9200e-003	8.9000e-004	6.5800e-003	7.4700e-003	0.0000	22.3479	22.3479	6.0000e-003	0.0000	22.4980
Maximum	0.0162	0.1850	0.2616	4.0000e-004	7.5300e-003	0.0105	0.0180	2.9400e-003	0.0105	0.0134	0.0000	34.8846	34.8846	8.7700e-003	0.0000	35.1039

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	30.25	0.89	-13.37	0.00	28.25	-13.86	7.33	37.52	-22.02	-4.03	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2022	11-30-2022	0.1784	0.1576
2	12-1-2022	2-28-2023	0.1162	0.1193
3	3-1-2023	5-31-2023	0.0518	0.0539
		Highest	0.1784	0.1576

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	3.2400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8587	3.8587	1.7000e-004	4.0000e-005	3.8738
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2400e-003	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.8587	3.8587	1.7000e-004	4.0000e-005	3.8738

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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	3.2400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8587	3.8587	1.7000e-004	4.0000e-005	3.8738
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2400e-003	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.8587	3.8587	1.7000e-004	4.0000e-005	3.8738

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2022	8/31/2022	5	0	
2	Site Preparation	Site Preparation	9/1/2022	9/14/2022	5	10	
3	Grading	Grading	9/15/2022	10/12/2022	5	20	
4	Building Construction	Building Construction	9/20/2022	9/19/2022	5	0	
5	Paving	Paving	10/13/2022	3/29/2023	5	120	
6	Architectural Coating	Architectural Coating	3/30/2023	4/12/2023	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,274
(Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	3.10	9	0.56
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	3.10	130	0.42
Paving	Rollers	1	3.60	80	0.38
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	3.60	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Sweepers/Scrubbers	1	2.00	64	0.46
Grading	Sweepers/Scrubbers			64	0.46
Paving	Paving Equipment	1	4.20	132	0.36

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	16.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

[illegible]

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.2 Demolition - 2022**Mitigated Construction Off-Site**

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

3.3 Site Preparation - 2022**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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1400e-003	0.0369	0.0222	5.0000e-005		1.4400e-003	1.4400e-003		1.3200e-003	1.3200e-003	0.0000	4.5517	4.5517	1.4700e-003	0.0000	4.5885
Total	3.1400e-003	0.0369	0.0222	5.0000e-005	2.7000e-004	1.4400e-003	1.7100e-003	3.0000e-005	1.3200e-003	1.3500e-003	0.0000	4.5517	4.5517	1.4700e-003	0.0000	4.5885

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3.3 Site Preparation - 2022**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	1.0000e-004	6.0000e-005	6.7000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2436	0.2436	0.0000	0.0000	0.2437
Total	1.0000e-004	6.0000e-005	6.7000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2436	0.2436	0.0000	0.0000	0.2437

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					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4300e-003	0.0266	0.0317	5.0000e-005		1.3500e-003	1.3500e-003		1.3400e-003	1.3400e-003	0.0000	4.5517	4.5517	1.4700e-003	0.0000	4.5885
Total	1.4300e-003	0.0266	0.0317	5.0000e-005	1.2000e-004	1.3500e-003	1.4700e-003	1.0000e-005	1.3400e-003	1.3500e-003	0.0000	4.5517	4.5517	1.4700e-003	0.0000	4.5885

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3.3 Site Preparation - 2022**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	1.0000e-004	6.0000e-005	6.7000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2436	0.2436	0.0000	0.0000	0.2437
Total	1.0000e-004	6.0000e-005	6.7000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2436	0.2436	0.0000	0.0000	0.2437

3.4 Grading - 2022**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					7.5300e-003	0.0000	7.5300e-003	4.1400e-003	0.0000	4.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0900e-003	0.0641	0.0747	1.2000e-004		3.3800e-003	3.3800e-003		3.2300e-003	3.2300e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617
Total	7.0900e-003	0.0641	0.0747	1.2000e-004	7.5300e-003	3.3800e-003	0.0109	4.1400e-003	3.2300e-003	7.3700e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617

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3.4 Grading - 2022**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	2.4000e-004	1.5000e-004	1.6700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6091	0.6091	1.0000e-005	0.0000	0.6093
Total	2.4000e-004	1.5000e-004	1.6700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6091	0.6091	1.0000e-005	0.0000	0.6093

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					3.3900e-003	0.0000	3.3900e-003	1.8600e-003	0.0000	1.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9800e-003	0.0591	0.0774	1.2000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616
Total	4.9800e-003	0.0591	0.0774	1.2000e-004	3.3900e-003	3.5200e-003	6.9100e-003	1.8600e-003	3.5200e-003	5.3800e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616

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3.4 Grading - 2022

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	2.4000e-004	1.5000e-004	1.6700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6091	0.6091	1.0000e-005	0.0000	0.6093
Total	2.4000e-004	1.5000e-004	1.6700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6091	0.6091	1.0000e-005	0.0000	0.6093

3.5 Building Construction - 2022

Unmitigated Construction On-Site

[illegible]

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

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

3.6 Paving - 2022**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	9.8100e-003	0.0965	0.1254	1.9000e-004		4.9400e-003	4.9400e-003		4.5600e-003	4.5600e-003	0.0000	16.8100	16.8100	5.3300e-003	0.0000	16.9431
Paving	5.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0104	0.0965	0.1254	1.9000e-004		4.9400e-003	4.9400e-003		4.5600e-003	4.5600e-003	0.0000	16.8100	16.8100	5.3300e-003	0.0000	16.9431

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3.6 Paving - 2022**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	8.9000e-004	5.5000e-004	6.1900e-003	2.0000e-005	2.9200e-003	2.0000e-005	2.9300e-003	7.8000e-004	2.0000e-005	7.9000e-004	0.0000	2.2567	2.2567	4.0000e-005	0.0000	2.2576
Total	8.9000e-004	5.5000e-004	6.1900e-003	2.0000e-005	2.9200e-003	2.0000e-005	2.9300e-003	7.8000e-004	2.0000e-005	7.9000e-004	0.0000	2.2567	2.2567	4.0000e-005	0.0000	2.2576

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	5.2100e-003	0.0985	0.1440	1.9000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	16.8099	16.8099	5.3300e-003	0.0000	16.9431
Paving	5.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7500e-003	0.0985	0.1440	1.9000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	16.8099	16.8099	5.3300e-003	0.0000	16.9431

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3.6 Paving - 2022**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	8.9000e-004	5.5000e-004	6.1900e-003	2.0000e-005	2.9200e-003	2.0000e-005	2.9300e-003	7.8000e-004	2.0000e-005	7.9000e-004	0.0000	2.2567	2.2567	4.0000e-005	0.0000	2.2576
Total	8.9000e-004	5.5000e-004	6.1900e-003	2.0000e-005	2.9200e-003	2.0000e-005	2.9300e-003	7.8000e-004	2.0000e-005	7.9000e-004	0.0000	2.2567	2.2567	4.0000e-005	0.0000	2.2576

3.6 Paving - 2023**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	0.0102	0.0982	0.1386	2.1000e-004		4.8600e-003	4.8600e-003		4.4800e-003	4.4800e-003	0.0000	18.5834	18.5834	5.8900e-003	0.0000	18.7305
Paving	6.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0982	0.1386	2.1000e-004		4.8600e-003	4.8600e-003		4.4800e-003	4.4800e-003	0.0000	18.5834	18.5834	5.8900e-003	0.0000	18.7305

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3.6 Paving - 2023**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	9.4000e-004	5.6000e-004	6.3700e-003	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.4001	2.4001	4.0000e-005	0.0000	2.4010
Total	9.4000e-004	5.6000e-004	6.3700e-003	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.4001	2.4001	4.0000e-005	0.0000	2.4010

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	5.7600e-003	0.1089	0.1592	2.1000e-004		6.2000e-003	6.2000e-003		6.2000e-003	6.2000e-003	0.0000	18.5833	18.5833	5.8900e-003	0.0000	18.7305
Paving	6.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3600e-003	0.1089	0.1592	2.1000e-004		6.2000e-003	6.2000e-003		6.2000e-003	6.2000e-003	0.0000	18.5833	18.5833	5.8900e-003	0.0000	18.7305

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3.6 Paving - 2023**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	9.4000e-004	5.6000e-004	6.3700e-003	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.4001	2.4001	4.0000e-005	0.0000	2.4010
Total	9.4000e-004	5.6000e-004	6.3700e-003	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.4001	2.4001	4.0000e-005	0.0000	2.4010

3.7 Architectural Coating - 2023**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	7.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	8.8600e-003	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785

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3.7 Architectural Coating - 2023**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	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0879	0.0879	0.0000	0.0000	0.0880
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0879	0.0879	0.0000	0.0000	0.0880

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	7.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	8.8600e-003	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785

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3.7 Architectural Coating - 2023**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	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0879	0.0879	0.0000	0.0000	0.0880
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0879	0.0879	0.0000	0.0000	0.0880

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
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
Parking Lot	0.470625	0.050338	0.265549	0.140745	0.017339	0.006996	0.024054	0.006595	0.004215	0.003104	0.009159	0.000488	0.000793

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

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5.2 Energy by Land Use - NaturalGas**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					
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		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	13264	3.8587	1.7000e-004	4.0000e-005	3.8738
Total		3.8587	1.7000e-004	4.0000e-005	3.8738

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	13264	3.8587	1.7000e-004	4.0000e-005	3.8738
Total		3.8587	1.7000e-004	4.0000e-005	3.8738

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	3.2400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	3.2400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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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	7.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	3.2400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	7.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	3.2400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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COB3 EIR Addendum (Operational)

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	207.28	1000sqft	1.66	207,276.00	0
Enclosed Parking with Elevator	490.00	1000sqft	1.64	490,000.00	0
Parking Lot	0.52	Acre	0.52	22,651.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors set to zero to reflect that electricity supplied to all County facilities is PCE ECO100 (100% renewable).

Land Use - Model updated to reflect new conditions and overall project site acreage.

Construction Phase - Ops run; no construction.

Vehicle Trips - Length adjusted based on change in TAZ VMT provided by MTC from existing to project TAZ; trip gen updated based on incremental trip increase presented in HExagon's TIA; modeled for all project trips. All trips primary.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	8.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	4/6/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	2/15/2022	3/30/2021
tblConstructionPhase	PhaseEndDate	3/11/2021	2/11/2021
tblConstructionPhase	PhaseEndDate	3/30/2021	3/18/2021
tblConstructionPhase	PhaseEndDate	3/11/2022	2/15/2022
tblConstructionPhase	PhaseEndDate	3/18/2021	3/11/2021
tblGrading	AcresOfGrading	0.00	4.00
tblLandUse	LotAcreage	4.76	1.66
tblLandUse	LotAcreage	11.25	1.64
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblVehicleTrips	CC_TL	7.30	1.40
tblVehicleTrips	CNW_TL	7.30	1.40
tblVehicleTrips	CW_TL	9.50	1.40
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	68.93	14.30

COB3 EIR Addendum (Operational) - San Mateo County, Annual

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible]

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9620	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
Mobile	0.3211	0.7040	2.2295	4.7200e-003	0.4001	4.8800e-003	0.4049	0.1075	4.5400e-003	0.1121	0.0000	431.4425	431.4425	0.0203	0.0000	431.9491
Waste						0.0000	0.0000		0.0000	0.0000	39.1306	0.0000	39.1306	2.3126	0.0000	96.9443
Water						0.0000	0.0000		0.0000	0.0000	13.0639	0.0000	13.0639	1.3418	0.0317	56.0501
Total	1.3047	0.9005	2.4009	5.9000e-003	0.4001	0.0198	0.4199	0.1075	0.0195	0.1270	52.1945	645.2649	697.4594	3.6787	0.0356	800.0372

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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	0.9620	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
Mobile	0.3211	0.7040	2.2295	4.7200e-003	0.4001	4.8800e-003	0.4049	0.1075	4.5400e-003	0.1121	0.0000	431.4425	431.4425	0.0203	0.0000	431.9491
Waste						0.0000	0.0000		0.0000	0.0000	39.1306	0.0000	39.1306	2.3126	0.0000	96.9443
Water						0.0000	0.0000		0.0000	0.0000	13.0639	0.0000	13.0639	1.3418	0.0317	56.0501
Total	1.3047	0.9005	2.4009	5.9000e-003	0.4001	0.0198	0.4199	0.1075	0.0195	0.1270	52.1945	645.2649	697.4594	3.6787	0.0356	800.0372

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/12/2021	2/11/2021	5	0	
2	Site Preparation	Site Preparation	3/12/2021	3/11/2021	5	0	
3	Grading	Grading	3/19/2021	3/18/2021	5	0	
4	Building Construction	Building Construction	3/31/2021	3/30/2021	5	0	
5	Paving	Paving	2/16/2022	2/15/2022	5	0	
6	Architectural Coating	Architectural Coating	3/12/2022	3/11/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 2.16

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 310,914; Non-Residential Outdoor: 103,638; Striped Parking Area: 30,759 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	282.00	118.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.2 Demolition - 2021

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

[illegible]

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2021

Unmitigated Construction On-Site

[illegible]

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3.4 Grading - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.4 Grading - 2021

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2021

Unmitigated Construction On-Site

[illegible]

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2022

Unmitigated Construction On-Site

[illegible]

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3.6 Paving - 2022

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.6 Paving - 2022

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

[illegible]

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

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3.7 Architectural Coating - 2022**Mitigated Construction Off-Site**

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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive 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	0.3211	0.7040	2.2295	4.7200e-003	0.4001	4.8800e-003	0.4049	0.1075	4.5400e-003	0.1121	0.0000	431.4425	431.4425	0.0203	0.0000	431.9491
Unmitigated	0.3211	0.7040	2.2295	4.7200e-003	0.4001	4.8800e-003	0.4049	0.1075	4.5400e-003	0.1121	0.0000	431.4425	431.4425	0.0203	0.0000	431.9491

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Government Office Building	2,964.05	0.00	0.00	1,078,913	1,078,913
Parking Lot	0.00	0.00	0.00		
Total	2,964.05	0.00	0.00	1,078,913	1,078,913

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Government Office Building	1.40	1.40	1.40	33.00	62.00	5.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.470625	0.050338	0.265549	0.140745	0.017339	0.006996	0.024054	0.006595	0.004215	0.003104	0.009159	0.000488	0.000793
Government Office Building	0.470625	0.050338	0.265549	0.140745	0.017339	0.006996	0.024054	0.006595	0.004215	0.003104	0.009159	0.000488	0.000793
Parking Lot	0.470625	0.050338	0.265549	0.140745	0.017339	0.006996	0.024054	0.006595	0.004215	0.003104	0.009159	0.000488	0.000793

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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
NaturalGas Unmitigated	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804

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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					
Enclosed Parking with Elevator	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
Government Office Building	4.00665e+006	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
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		0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804

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					
Enclosed Parking with Elevator	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
Government Office Building	4.00665e+006	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804
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		0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.8098	213.8098	4.1000e-003	3.9200e-003	215.0804

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.8714e+006	0.0000	0.0000	0.0000	0.0000
Government Office Building	2.5868e+006	0.0000	0.0000	0.0000	0.0000
Parking Lot	7927.92	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.8714e+006	0.0000	0.0000	0.0000	0.0000
Government Office Building	2.5868e+006	0.0000	0.0000	0.0000	0.0000
Parking Lot	7927.92	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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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	0.9620	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133
Unmitigated	0.9620	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133

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	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8427					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.9000e-004	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133
Total	0.9620	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133

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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	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8427					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.9000e-004	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133
Total	0.9620	6.0000e-005	6.4100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0125	0.0125	3.0000e-005	0.0000	0.0133

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.0639	1.3418	0.0317	56.0501
Unmitigated	13.0639	1.3418	0.0317	56.0501

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Government Office Building	41.1782 / 25.2382	13.0639	1.3418	0.0317	56.0501
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.0639	1.3418	0.0317	56.0501

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Government Office Building	41.1782 / 25.2382	13.0639	1.3418	0.0317	56.0501
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.0639	1.3418	0.0317	56.0501

8.0 Waste Detail

8.1 Mitigation Measures Waste

COB3 EIR Addendum (Operational) - San Mateo County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.1306	2.3126	0.0000	96.9443
Unmitigated	39.1306	2.3126	0.0000	96.9443

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	192.77	39.1306	2.3126	0.0000	96.9443
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		39.1306	2.3126	0.0000	96.9443

COB3 EIR Addendum (Operational) - San Mateo County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	192.77	39.1306	2.3126	0.0000	96.9443
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		39.1306	2.3126	0.0000	96.9443

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
----------------	--------

COB3 EIR Addendum (Operational) - San Mateo County, Annual

11.0 Vegetation

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

COB3 - Lathrop House Move (Construction)**San Mateo County, Annual****1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

Project Characteristics - PTG - Model run to capture emissions from moving the Lathrop House

Land Use - PTG - Arbitrary land use selected since this will be strictly a run for moving the house.

Construction Phase - PTG - Grading is a default phase used to generate emissions from moving the house. House movement is anticipated to occur over 1 day.

Off-road Equipment - PTG - ARCH COAT - Equipment removed since no arch coat phase.

Off-road Equipment - PTG - BUILDING CONSTRUCTION - Equipment removed since no building construction phase

Off-road Equipment - PTG - DEMO - Equipment removed since no demo phase.

Off-road Equipment - PTG - GRADING - Garavaglia Architecture, Inc. via email on 6/12/17 - anticipated equipment is one small gasoline powered generator (50 hp) run 6hrs and one tractor (450 hp) run 6hrs.

Off-road Equipment - PTG - PAVING - Equipment removed since no paving phase.

Off-road Equipment - PTG - SITE PREP - Equipment removed since no site prep phase.

Trips and VMT -

Architectural Coating -

Fleet Mix - PTG - No operational trips generated, therefore no fleet mix.

Area Coating -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblFleetMix	HHD	6.3230e-003	0.00
tblFleetMix	LDA	0.49	1.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.25	0.00

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.5260e-003	0.00
tblFleetMix	MCY	8.7710e-003	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.4100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	3.9430e-003	0.00
tblFleetMix	SBUS	4.3500e-004	0.00
tblFleetMix	UBUS	3.2780e-003	0.00
tblOffRoadEquipment	HorsePower	97.00	450.00
tblOffRoadEquipment	HorsePower	84.00	50.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

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					
2018	5.5000e-004	4.8000e-003	2.9800e-003	1.0000e-005	4.1000e-004	2.0000e-004	6.1000e-004	2.2000e-004	1.9000e-004	4.1000e-004	0.0000	0.6887	0.6887	1.8000e-004	0.0000	0.6933
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	5.5000e-004	4.8000e-003	2.9800e-003	1.0000e-005	4.1000e-004	2.0000e-004	6.1000e-004	2.2000e-004	1.9000e-004	4.1000e-004	0.0000	0.6887	0.6887	1.8000e-004	0.0000	0.6933

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					
2018	5.5000e-004	4.8000e-003	2.9800e-003	1.0000e-005	4.1000e-004	2.0000e-004	6.1000e-004	2.2000e-004	1.9000e-004	4.1000e-004	0.0000	0.6887	0.6887	1.8000e-004	0.0000	0.6933
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	5.5000e-004	4.8000e-003	2.9800e-003	1.0000e-005	4.1000e-004	2.0000e-004	6.1000e-004	2.2000e-004	1.9000e-004	4.1000e-004	0.0000	0.6887	0.6887	1.8000e-004	0.0000	0.6933

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1018	0.1018	0.0000	0.0000	0.1022
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1018	0.1018	0.0000	0.0000	0.1022

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

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	9.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1018	0.1018	0.0000	0.0000	0.1022
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1018	0.1018	0.0000	0.0000	0.1022

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2019	7/31/2019	5	0	
2	Site Preparation	Site Preparation	8/1/2019	7/31/2019	5	0	
3	Grading	Grading	8/1/2018	8/1/2018	5	1	
4	Building Construction	Building Construction	8/1/2019	7/31/2019	5	0	
5	Paving	Paving	8/1/2019	7/31/2019	5	0	
6	Architectural Coating	Architectural Coating	8/1/2019	7/31/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 60 (Architectural Coating – sqft)

OffRoad Equipment

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Generator Sets	1	6.00	50	0.74
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	6.00	450	0.37
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.2 Demolition - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.2 Demolition - 2019

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.3 Site Preparation - 2019**Mitigated Construction Off-Site**

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

3.4 Grading - 2018**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					3.8000e-004	0.0000	3.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	4.7900e-003	2.8900e-003	1.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	0.6607	0.6607	1.8000e-004	0.0000	0.6654
Total	5.4000e-004	4.7900e-003	2.8900e-003	1.0000e-005	3.8000e-004	2.0000e-004	5.8000e-004	2.1000e-004	1.9000e-004	4.0000e-004	0.0000	0.6607	0.6607	1.8000e-004	0.0000	0.6654

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.4 Grading - 2018**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	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0280	0.0280	0.0000	0.0000	0.0280
Total	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0280	0.0280	0.0000	0.0000	0.0280

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					3.8000e-004	0.0000	3.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	4.7900e-003	2.8900e-003	1.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	0.6607	0.6607	1.8000e-004	0.0000	0.6653
Total	5.4000e-004	4.7900e-003	2.8900e-003	1.0000e-005	3.8000e-004	2.0000e-004	5.8000e-004	2.1000e-004	1.9000e-004	4.0000e-004	0.0000	0.6607	0.6607	1.8000e-004	0.0000	0.6653

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.4 Grading - 2018

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	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0280	0.0280	0.0000	0.0000	0.0280
Total	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0280	0.0280	0.0000	0.0000	0.0280

3.5 Building Construction - 2019

Unmitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.5 Building Construction - 2019

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2019

Unmitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.6 Paving - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.6 Paving - 2019

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

3.7 Architectural Coating - 2019**Mitigated Construction Off-Site**

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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
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
Parking Lot	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

5.2 Energy by Land Use - NaturalGas**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					
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		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	350	0.1018	0.0000	0.0000	0.1022
Total		0.1018	0.0000	0.0000	0.1022

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	350	0.1018	0.0000	0.0000	0.1022
Total		0.1018	0.0000	0.0000	0.1022

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	9.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	9.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

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	2.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	8.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	2.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	8.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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COB3 - Lathrop House Move (Construction) - San Mateo County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

COB3 - Parking Garage (Construction) - San Mateo County, Annual

COB3 - Parking Garage (Construction)**San Mateo County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	490.00	1000sqft	1.64	490,000.00	0
Parking Lot	75.00	Space	0.68	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

COB3 - Parking Garage (Construction) - San Mateo County, Annual

Project Characteristics - PTG - Model run to capture the construction of the parking structure and demolition of the vacant credit union building.

Land Use - PTG - Lot acreage altered to reflect a 7-story parking garage; each level is 70k sq ft. Parking lot entry is representative of the temporary parking lot that would be constructed where the Lathrop House is located.

Construction Phase - PTG - Phasing updated based on County's anticipated construction schedule. Paving for temporary parking lot. Demo for the credit union building. Paving phase not incorporated; 3 OCE input to account for concrete trucks delivering materials.

Off-road Equipment - PTG - PAVING - Lathrop House site is primarily developed and would require limited equipment to prepare site for temporary parking lot. Two (2) rollers removed.

Off-road Equipment -

Off-road Equipment - PTG - SITE PREP - One (1) sweeper scrubber added @ 2hrs/day for BAAQMD fugitive dust compliance.

Off-road Equipment - PTG - GRADING - One (1) sweeper/scrubber added @ 2hrs/day for BAAQMD fugitive dust compliance.

Off-road Equipment - PTG - FOUNDATION CONSTRUCTION - 1) remove crane from fnd work 2) rmve gen set since elect hook ups available 3) add 1 sweep/scrub for BAAQMD fug dust comp 4) add OCE 3 for conc dlrvy/wrk 5) add 1 drill rig @ 4hrs/day for piers

Off-road Equipment - PTG - BUILDING CONSTRUCTION - 1) Remove gen set as elect hook up is avail 2) add three (3) OCE @ 8hrs/day for concrete dlrvy/work.

Grading - PTG - Estimated excavation is anticipated to be three feet down across entire site. (70,000 sq ft * 3 ft = 210,000 ft³ ; 210,000 ft³ = 7,777.8 cubic yards)

Demolition - PTG - Demolition reflects the removal of the credit union building (7,534 sq ft).

Construction Off-road Equipment Mitigation - PTG - Mitigation applied to reflect that the County would require the use of Tier 3 construction equipment for all pieces greater than 50hp. Also updated to reflect compliance with BAAQMD BMPs for fugitive dust abatement.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

COB3 - Parking Garage (Construction) - San Mateo County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	220.00	85.00
tblConstructionPhase	NumDays	220.00	265.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	3.00	35.00
tblGrading	AcresOfGrading	10.00	3.00
tblGrading	AcresOfGrading	52.50	4.50
tblGrading	MaterialExported	0.00	7,778.00
tblLandUse	LotAcreage	11.25	1.64
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

COB3 - Parking Garage (Construction) - San Mateo County, Annual

tbOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbOffRoadEquipment	PhaseName		Foundation Construction
tbOffRoadEquipment	PhaseName		Foundation Construction
tbOffRoadEquipment	PhaseName		Building Construction
tbOffRoadEquipment	PhaseName		Site Preparation
tbOffRoadEquipment	PhaseName		Grading
tbOffRoadEquipment	PhaseName		Foundation Construction

2.0 Emissions Summary

COB3 - Parking Garage (Construction) - San Mateo County, Annual

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					
2018	0.1186	1.3634	0.7724	1.8100e-003	0.0929	0.0566	0.1495	0.0408	0.0525	0.0933	0.0000	169.2137	169.2137	0.0366	0.0000	170.1278
2019	0.6074	5.5306	4.2552	9.9300e-003	0.2963	0.2348	0.5311	0.0805	0.2195	0.3000	0.0000	905.2190	905.2190	0.1509	0.0000	908.9917
2020	0.2787	1.5706	1.2574	2.9900e-003	0.0911	0.0649	0.1560	0.0248	0.0606	0.0854	0.0000	270.1524	270.1524	0.0447	0.0000	271.2689
Maximum	0.6074	5.5306	4.2552	9.9300e-003	0.2963	0.2348	0.5311	0.0805	0.2195	0.3000	0.0000	905.2190	905.2190	0.1509	0.0000	908.9917

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					
2018	0.0479	0.8157	0.8279	1.8100e-003	0.0553	0.0295	0.0848	0.0220	0.0295	0.0515	0.0000	169.2136	169.2136	0.0366	0.0000	170.1277
2019	0.3817	3.9880	4.6006	9.9300e-003	0.2963	0.1456	0.4418	0.0805	0.1450	0.2256	0.0000	905.2185	905.2185	0.1509	0.0000	908.9912
2020	0.2141	1.1569	1.3645	2.9900e-003	0.0911	0.0417	0.1328	0.0248	0.0415	0.0663	0.0000	270.1523	270.1523	0.0447	0.0000	271.2687
Maximum	0.3817	3.9880	4.6006	9.9300e-003	0.2963	0.1456	0.4418	0.0805	0.1450	0.2256	0.0000	905.2185	905.2185	0.1509	0.0000	908.9912

COB3 - Parking Garage (Construction) - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	35.94	29.58	-8.08	0.00	7.83	39.16	21.17	12.86	35.05	28.28	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	10-1-2018	12-31-2018	1.4305	0.8389
2	1-1-2019	3-31-2019	1.4280	1.0777
3	4-1-2019	6-30-2019	1.5400	1.0814
4	7-1-2019	9-30-2019	1.5735	1.0938
5	10-1-2019	12-31-2019	1.5857	1.1061
6	1-1-2020	3-31-2020	1.4413	1.0460
7	4-1-2020	6-30-2020	0.3917	0.3140
		Highest	1.5857	1.1061

COB3 - Parking Garage (Construction) - San Mateo County, Annual

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	0.0450	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	811.2939	811.2939	0.0367	7.5900e-003	814.4728
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0450	5.0000e-005	5.2300e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	811.3040	811.3040	0.0367	7.5900e-003	814.4836

COB3 - Parking Garage (Construction) - San Mateo County, Annual

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	0.0450	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	811.2939	811.2939	0.0367	7.5900e-003	814.4728
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0450	5.0000e-005	5.2300e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	811.3040	811.3040	0.0367	7.5900e-003	814.4836

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

COB3 - Parking Garage (Construction) - San Mateo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	8/1/2018	8/7/2018	5	5	
2	Demolition	Demolition	10/1/2018	10/26/2018	5	20	
3	Site Preparation	Site Preparation	10/1/2018	11/16/2018	5	35	
4	Grading	Grading	11/18/2018	12/14/2018	5	20	
5	Foundation Construction	Building Construction	12/15/2018	4/12/2019	5	85	
6	Building Construction	Building Construction	4/13/2019	4/17/2020	5	265	
7	Architectural Coating	Architectural Coating	4/1/2020	4/21/2020	5	15	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 31,200
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41

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Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Sweepers/Scrubbers	1	2.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Sweepers/Scrubbers	1	2.00	64	0.46
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Foundation Construction	Bore/Drill Rigs	1	4.00	221	0.50
Foundation Construction	Cranes	0	8.00	231	0.29
Foundation Construction	Forklifts	2	7.00	89	0.20
Foundation Construction	Generator Sets	0	8.00	84	0.74
Foundation Construction	Other Construction Equipment	3	8.00	172	0.42
Foundation Construction	Sweepers/Scrubbers	1	2.00	64	0.46
Foundation Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundation Construction	Welders	3	8.00	46	0.45
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Other Construction Equipment	3	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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
Paving	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	34.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	972.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Construction	11	218.00	85.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	218.00	85.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Paving - 2018**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	2.2200e-003	0.0232	0.0203	3.0000e-005		1.2700e-003	1.2700e-003		1.1700e-003	1.1700e-003	0.0000	2.8269	2.8269	8.6000e-004	0.0000	2.8483
Paving	8.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.1100e-003	0.0232	0.0203	3.0000e-005		1.2700e-003	1.2700e-003		1.1700e-003	1.1700e-003	0.0000	2.8269	2.8269	8.6000e-004	0.0000	2.8483

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3.2 Paving - 2018**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	8.0000e-005	6.0000e-005	6.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1747	0.1747	0.0000	0.0000	0.1748
Total	8.0000e-005	6.0000e-005	6.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1747	0.1747	0.0000	0.0000	0.1748

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	8.8000e-004	0.0157	0.0233	3.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	2.8269	2.8269	8.6000e-004	0.0000	2.8483
Paving	8.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7700e-003	0.0157	0.0233	3.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	2.8269	2.8269	8.6000e-004	0.0000	2.8483

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3.2 Paving - 2018**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	8.0000e-005	6.0000e-005	6.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1747	0.1747	0.0000	0.0000	0.1748
Total	8.0000e-005	6.0000e-005	6.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1747	0.1747	0.0000	0.0000	0.1748

3.3 Demolition - 2018**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					3.7100e-003	0.0000	3.7100e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2436	0.1511	2.4000e-004		0.0144	0.0144		0.0134	0.0134	0.0000	21.6923	21.6923	5.5000e-003	0.0000	21.8297
Total	0.0248	0.2436	0.1511	2.4000e-004	3.7100e-003	0.0144	0.0181	5.6000e-004	0.0134	0.0140	0.0000	21.6923	21.6923	5.5000e-003	0.0000	21.8297

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3.3 Demolition - 2018**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	1.8000e-004	6.2700e-003	2.2700e-003	1.0000e-005	2.8000e-004	3.0000e-005	3.1000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.4612	1.4612	1.7000e-004	0.0000	1.4656
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	4.2000e-004	3.1000e-004	3.1200e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9084	0.9084	2.0000e-005	0.0000	0.9090
Total	6.0000e-004	6.5800e-003	5.3900e-003	2.0000e-005	1.3000e-003	4.0000e-005	1.3400e-003	3.5000e-004	3.0000e-005	3.8000e-004	0.0000	2.3696	2.3696	1.9000e-004	0.0000	2.3745

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					1.6700e-003	0.0000	1.6700e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6200e-003	0.1210	0.1542	2.4000e-004		7.1800e-003	7.1800e-003		7.1800e-003	7.1800e-003	0.0000	21.6923	21.6923	5.5000e-003	0.0000	21.8297
Total	5.6200e-003	0.1210	0.1542	2.4000e-004	1.6700e-003	7.1800e-003	8.8500e-003	2.5000e-004	7.1800e-003	7.4300e-003	0.0000	21.6923	21.6923	5.5000e-003	0.0000	21.8297

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3.3 Demolition - 2018**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	1.8000e-004	6.2700e-003	2.2700e-003	1.0000e-005	2.8000e-004	3.0000e-005	3.1000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.4612	1.4612	1.7000e-004	0.0000	1.4656
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	4.2000e-004	3.1000e-004	3.1200e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9084	0.9084	2.0000e-005	0.0000	0.9090
Total	6.0000e-004	6.5800e-003	5.3900e-003	2.0000e-005	1.3000e-003	4.0000e-005	1.3400e-003	3.5000e-004	3.0000e-005	3.8000e-004	0.0000	2.3696	2.3696	1.9000e-004	0.0000	2.3745

3.4 Site Preparation - 2018**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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.4250	0.2319	4.4000e-004		0.0177	0.0177		0.0163	0.0163	0.0000	40.2029	40.2029	0.0125	0.0000	40.5158
Total	0.0346	0.4250	0.2319	4.4000e-004	2.3900e-003	0.0177	0.0201	2.6000e-004	0.0163	0.0165	0.0000	40.2029	40.2029	0.0125	0.0000	40.5158

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3.4 Site Preparation - 2018**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	5.7000e-004	4.2000e-004	4.2000e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.2229	1.2229	3.0000e-005	0.0000	1.2236
Total	5.7000e-004	4.2000e-004	4.2000e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.2229	1.2229	3.0000e-005	0.0000	1.2236

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.2138	0.2472	4.4000e-004		9.1600e-003	9.1600e-003		9.1600e-003	9.1600e-003	0.0000	40.2029	40.2029	0.0125	0.0000	40.5158
Total	0.0108	0.2138	0.2472	4.4000e-004	1.0700e-003	9.1600e-003	0.0102	1.2000e-004	9.1600e-003	9.2800e-003	0.0000	40.2029	40.2029	0.0125	0.0000	40.5158

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3.4 Site Preparation - 2018**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	5.7000e-004	4.2000e-004	4.2000e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.2229	1.2229	3.0000e-005	0.0000	1.2236
Total	5.7000e-004	4.2000e-004	4.2000e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.2229	1.2229	3.0000e-005	0.0000	1.2236

3.5 Grading - 2018**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					0.0623	0.0000	0.0623	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.2496	0.1088	2.1000e-004		0.0122	0.0122		0.0113	0.0113	0.0000	19.4265	19.4265	6.0500e-003	0.0000	19.5777
Total	0.0223	0.2496	0.1088	2.1000e-004	0.0623	0.0122	0.0745	0.0333	0.0113	0.0446	0.0000	19.4265	19.4265	6.0500e-003	0.0000	19.5777

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3.5 Grading - 2018**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	5.1700e-003	0.1794	0.0649	4.1000e-004	8.1300e-003	7.4000e-004	8.8700e-003	2.2300e-003	7.1000e-004	2.9400e-003	0.0000	41.7737	41.7737	4.9700e-003	0.0000	41.8979
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	4.2000e-004	3.1000e-004	3.1200e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9084	0.9084	2.0000e-005	0.0000	0.9090
Total	5.5900e-003	0.1797	0.0680	4.2000e-004	9.1500e-003	7.5000e-004	9.9000e-003	2.5000e-003	7.2000e-004	3.2200e-003	0.0000	42.6821	42.6821	4.9900e-003	0.0000	42.8069

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					0.0280	0.0000	0.0280	0.0150	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-003	0.1057	0.1263	2.1000e-004		5.1000e-003	5.1000e-003		5.1000e-003	5.1000e-003	0.0000	19.4265	19.4265	6.0500e-003	0.0000	19.5777
Total	5.2000e-003	0.1057	0.1263	2.1000e-004	0.0280	5.1000e-003	0.0331	0.0150	5.1000e-003	0.0201	0.0000	19.4265	19.4265	6.0500e-003	0.0000	19.5777

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3.5 Grading - 2018**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	5.1700e-003	0.1794	0.0649	4.1000e-004	8.1300e-003	7.4000e-004	8.8700e-003	2.2300e-003	7.1000e-004	2.9400e-003	0.0000	41.7737	41.7737	4.9700e-003	0.0000	41.8979
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	4.2000e-004	3.1000e-004	3.1200e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9084	0.9084	2.0000e-005	0.0000	0.9090
Total	5.5900e-003	0.1797	0.0680	4.2000e-004	9.1500e-003	7.5000e-004	9.9000e-003	2.5000e-003	7.2000e-004	3.2200e-003	0.0000	42.6821	42.6821	4.9900e-003	0.0000	42.8069

3.6 Foundation Construction - 2018**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	0.0205	0.1689	0.1291	2.0000e-004		9.7400e-003	9.7400e-003		9.1100e-003	9.1100e-003	0.0000	17.6004	17.6004	5.1100e-003	0.0000	17.7281
Total	0.0205	0.1689	0.1291	2.0000e-004		9.7400e-003	9.7400e-003		9.1100e-003	9.1100e-003	0.0000	17.6004	17.6004	5.1100e-003	0.0000	17.7281

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3.6 Foundation Construction - 2018**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	2.4900e-003	0.0635	0.0242	1.3000e-004	3.0500e-003	4.9000e-004	3.5300e-003	8.8000e-004	4.7000e-004	1.3500e-003	0.0000	12.6370	12.6370	1.1200e-003	0.0000	12.6651
Worker	3.9100e-003	2.8400e-003	0.0288	9.0000e-005	9.4400e-003	6.0000e-005	9.5000e-003	2.5100e-003	6.0000e-005	2.5700e-003	0.0000	8.3785	8.3785	2.0000e-004	0.0000	8.3834
Total	6.4000e-003	0.0663	0.0530	2.2000e-004	0.0125	5.5000e-004	0.0130	3.3900e-003	5.3000e-004	3.9200e-003	0.0000	21.0154	21.0154	1.3200e-003	0.0000	21.0485

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	0.0112	0.1064	0.1459	2.0000e-004		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	17.6004	17.6004	5.1100e-003	0.0000	17.7281
Total	0.0112	0.1064	0.1459	2.0000e-004		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	17.6004	17.6004	5.1100e-003	0.0000	17.7281

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3.6 Foundation Construction - 2018**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	2.4900e-003	0.0635	0.0242	1.3000e-004	3.0500e-003	4.9000e-004	3.5300e-003	8.8000e-004	4.7000e-004	1.3500e-003	0.0000	12.6370	12.6370	1.1200e-003	0.0000	12.6651
Worker	3.9100e-003	2.8400e-003	0.0288	9.0000e-005	9.4400e-003	6.0000e-005	9.5000e-003	2.5100e-003	6.0000e-005	2.5700e-003	0.0000	8.3785	8.3785	2.0000e-004	0.0000	8.3834
Total	6.4000e-003	0.0663	0.0530	2.2000e-004	0.0125	5.5000e-004	0.0130	3.3900e-003	5.3000e-004	3.9200e-003	0.0000	21.0154	21.0154	1.3200e-003	0.0000	21.0485

3.6 Foundation Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1257	1.0558	0.8590	1.3500e-003		0.0594	0.0594		0.0555	0.0555	0.0000	116.8382	116.8382	0.0339	0.0000	117.6844
Total	0.1257	1.0558	0.8590	1.3500e-003		0.0594	0.0594		0.0555	0.0555	0.0000	116.8382	116.8382	0.0339	0.0000	117.6844

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3.6 Foundation Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0149	0.4016	0.1542	8.5000e-004	0.0205	2.7700e-003	0.0233	5.9300e-003	2.6500e-003	8.5800e-003	0.0000	84.1303	84.1303	7.4300e-003	0.0000	84.3160
Worker	0.0239	0.0168	0.1731	6.0000e-004	0.0635	4.1000e-004	0.0639	0.0169	3.8000e-004	0.0173	0.0000	54.6094	54.6094	1.1700e-003	0.0000	54.6387
Total	0.0388	0.4184	0.3273	1.4500e-003	0.0840	3.1800e-003	0.0872	0.0228	3.0300e-003	0.0259	0.0000	138.7397	138.7397	8.6000e-003	0.0000	138.9547

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	0.0692	0.7090	0.9756	1.3500e-003		0.0383	0.0383		0.0383	0.0383	0.0000	116.8381	116.8381	0.0339	0.0000	117.6843
Total	0.0692	0.7090	0.9756	1.3500e-003		0.0383	0.0383		0.0383	0.0383	0.0000	116.8381	116.8381	0.0339	0.0000	117.6843

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3.6 Foundation Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0149	0.4016	0.1542	8.5000e-004	0.0205	2.7700e-003	0.0233	5.9300e-003	2.6500e-003	8.5800e-003	0.0000	84.1303	84.1303	7.4300e-003	0.0000	84.3160
Worker	0.0239	0.0168	0.1731	6.0000e-004	0.0635	4.1000e-004	0.0639	0.0169	3.8000e-004	0.0173	0.0000	54.6094	54.6094	1.1700e-003	0.0000	54.6387
Total	0.0388	0.4184	0.3273	1.4500e-003	0.0840	3.1800e-003	0.0872	0.0228	3.0300e-003	0.0259	0.0000	138.7397	138.7397	8.6000e-003	0.0000	138.9547

3.7 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3449	2.9992	2.2419	3.4600e-003		0.1643	0.1643		0.1533	0.1533	0.0000	299.0421	299.0421	0.0867	0.0000	301.2105
Total	0.3449	2.9992	2.2419	3.4600e-003		0.1643	0.1643		0.1533	0.1533	0.0000	299.0421	299.0421	0.0867	0.0000	301.2105

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3.7 Building Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0378	1.0148	0.3897	2.1400e-003	0.0518	7.0100e-003	0.0588	0.0150	6.7000e-003	0.0217	0.0000	212.5995	212.5995	0.0188	0.0000	213.0688
Worker	0.0603	0.0425	0.4373	1.5300e-003	0.1605	1.0300e-003	0.1615	0.0427	9.5000e-004	0.0437	0.0000	137.9995	137.9995	2.9500e-003	0.0000	138.0733
Total	0.0980	1.0572	0.8270	3.6700e-003	0.2123	8.0400e-003	0.2203	0.0577	7.6500e-003	0.0653	0.0000	350.5990	350.5990	0.0217	0.0000	351.1422

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	0.1757	1.8034	2.4708	3.4600e-003		0.0961	0.0961		0.0961	0.0961	0.0000	299.0418	299.0418	0.0867	0.0000	301.2102
Total	0.1757	1.8034	2.4708	3.4600e-003		0.0961	0.0961		0.0961	0.0961	0.0000	299.0418	299.0418	0.0867	0.0000	301.2102

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3.7 Building Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0378	1.0148	0.3897	2.1400e-003	0.0518	7.0100e-003	0.0588	0.0150	6.7000e-003	0.0217	0.0000	212.5995	212.5995	0.0188	0.0000	213.0688
Worker	0.0603	0.0425	0.4373	1.5300e-003	0.1605	1.0300e-003	0.1615	0.0427	9.5000e-004	0.0437	0.0000	137.9995	137.9995	2.9500e-003	0.0000	138.0733
Total	0.0980	1.0572	0.8270	3.6700e-003	0.2123	8.0400e-003	0.2203	0.0577	7.6500e-003	0.0653	0.0000	350.5990	350.5990	0.0217	0.0000	351.1422

3.7 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	0.1315	1.1572	0.9188	1.4400e-003		0.0617	0.0617		0.0576	0.0576	0.0000	122.4957	122.4957	0.0358	0.0000	123.3894
Total	0.1315	1.1572	0.9188	1.4400e-003		0.0617	0.0617		0.0576	0.0576	0.0000	122.4957	122.4957	0.0358	0.0000	123.3894

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3.7 Building Construction - 2020**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	0.0129	0.3844	0.1530	8.8000e-004	0.0216	1.9200e-003	0.0235	6.2500e-003	1.8300e-003	8.0800e-003	0.0000	87.8455	87.8455	7.6300e-003	0.0000	88.0363
Worker	0.0232	0.0157	0.1655	6.2000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0182	0.0000	55.7331	55.7331	1.0900e-003	0.0000	55.7603
Total	0.0360	0.4001	0.3185	1.5000e-003	0.0885	2.3400e-003	0.0909	0.0241	2.2200e-003	0.0263	0.0000	143.5786	143.5786	8.7200e-003	0.0000	143.7965

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	0.0682	0.7460	1.0259	1.4400e-003		0.0386	0.0386		0.0386	0.0386	0.0000	122.4955	122.4955	0.0358	0.0000	123.3893
Total	0.0682	0.7460	1.0259	1.4400e-003		0.0386	0.0386		0.0386	0.0386	0.0000	122.4955	122.4955	0.0358	0.0000	123.3893

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3.7 Building Construction - 2020**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	0.0129	0.3844	0.1530	8.8000e-004	0.0216	1.9200e-003	0.0235	6.2500e-003	1.8300e-003	8.0800e-003	0.0000	87.8455	87.8455	7.6300e-003	0.0000	88.0363
Worker	0.0232	0.0157	0.1655	6.2000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0182	0.0000	55.7331	55.7331	1.0900e-003	0.0000	55.7603
Total	0.0360	0.4001	0.3185	1.5000e-003	0.0885	2.3400e-003	0.0909	0.0241	2.2200e-003	0.0263	0.0000	143.5786	143.5786	8.7200e-003	0.0000	143.7965

3.8 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	0.1085					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8200e-003	0.0126	0.0137	2.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	1.9149	1.9149	1.5000e-004	0.0000	1.9187
Total	0.1103	0.0126	0.0137	2.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	1.9149	1.9149	1.5000e-004	0.0000	1.9187

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3.8 Architectural Coating - 2020**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	9.0000e-004	6.1000e-004	6.4200e-003	2.0000e-005	2.6000e-003	2.0000e-005	2.6100e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1633	2.1633	4.0000e-005	0.0000	2.1643
Total	9.0000e-004	6.1000e-004	6.4200e-003	2.0000e-005	2.6000e-003	2.0000e-005	2.6100e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1633	2.1633	4.0000e-005	0.0000	2.1643

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	0.1085					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	0.0102	0.0137	2.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	1.9149	1.9149	1.5000e-004	0.0000	1.9186
Total	0.1089	0.0102	0.0137	2.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	1.9149	1.9149	1.5000e-004	0.0000	1.9186

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3.8 Architectural Coating - 2020**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	9.0000e-004	6.1000e-004	6.4200e-003	2.0000e-005	2.6000e-003	2.0000e-005	2.6100e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1633	2.1633	4.0000e-005	0.0000	2.1643
Total	9.0000e-004	6.1000e-004	6.4200e-003	2.0000e-005	2.6000e-003	2.0000e-005	2.6100e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1633	2.1633	4.0000e-005	0.0000	2.1643

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
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
Enclosed Parking Structure	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Parking Lot	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

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5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	2.7783e+006	808.2393	0.0366	7.5600e-003	811.4063
Parking Lot	10500	3.0546	1.4000e-004	3.0000e-005	3.0665
Total		811.2939	0.0367	7.5900e-003	814.4728

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking Structure	2.7783e+006	808.2393	0.0366	7.5600e-003	811.4063
Parking Lot	10500	3.0546	1.4000e-004	3.0000e-005	3.0665
Total		811.2939	0.0367	7.5900e-003	814.4728

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive 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	0.0450	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108
Unmitigated	0.0450	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108

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	0.0109					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0336					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108
Total	0.0450	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108

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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	0.0109					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0336					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108
Total	0.0450	5.0000e-005	5.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0108

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
