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MEMORANDUM

To: Laura Shinn, San Diego State University
From: Sarah Lozano, Katie Laybourn, Jennifer Reed, Nicholas Lorenzen
Subject: SDSU Tula Pavilion and Tenochca Hall Renewal/Refresh - Air Quality and Greenhouse Gases Technical Memorandum
Date: January 4, 2017
Attachment(s): Figures 1–2
Appendix A, CalEEMod Output Files

Dudek evaluated potential impacts to air quality and greenhouse gases (GHGs) associated with the proposed San Diego State University (SDSU) Tula Pavilion and Tenochca Hall Renewal/Refresh (proposed project), located in San Diego, California. This technical memorandum provides the results of that evaluation.

1 PROJECT LOCATION AND SETTING

SDSU is located adjacent to Interstate 8 (I-8), approximately 8 miles east of downtown San Diego (see Figure 1, Regional Map). The SDSU campus is located in the "College Area," within the City and County of San Diego, and is surrounded by urban uses, including commercial, institutional, and medical facilities. The proposed project would be located in the southeastern portion of the SDSU campus (see Figure 2, Project Site). As described below, the proposed Tenochca Community Space (TCS) and Tula Pavilion would be constructed on the site of the demolished Tula/Tenochca Community Center, and the proposed Tula Pavilion would be constructed to the northwest on the site of a paved walking path at the north end of a service vehicle parking lot.

2 PROJECT DESCRIPTION

The proposed project, referred to as the "Tula Pavilion and Tenochca Hall Renewal/Refresh," involves demolishing the existing Tula/Tenochca Community Center and replacing it with two separate buildings, the Tula Pavilion and Tenochca Community Space. The proposed Tenochca Community Space would be two-stories in height and approximately 13,000 gross square feet (gsf) in size. The proposed Tenochca building would provide a variety of student gathering spaces, including student lounges, a kitchen for student use, and areas visible to televisions that front the

outdoor grounds. The proposed Tula Pavilion would be a one-story building and approximately 12,000 gsf. The Tula interior space would include one large assembly space, and an adjoining large classroom/seminar room that can be divided into three smaller rooms and a banquet room, as well as a courtyard, which would provide an outdoor venue for private events, and otherwise would be open to public use and circulation.

The proposed Tenochca Community Space would be constructed at the site of the existing Tula/Tenochca Community Center and would replace the student common spaces at the existing Tula/Tenochca Community Center, such as the security check-in point, student lounge space, laundry and Star Center, and faculty residences. Exterior landscape improvements would include the expansion of the landscape at the commons side of the building. A new "Tenochca Backyard" would be created with outdoor room and lawn areas. The existing pool between the proposed Tenochca Community Space and existing Maya Hall would be enclosed with new fencing, surrounded by new palm trees, and furnished with new furniture and tables to create a sense of place at the pool deck. No further renovations to the pool area would be proposed as part of the project. Construction of the proposed Tenochca Community Space would require approximately 8,700 square feet (sf) of concrete and approximately 850 cubic yards (cy) of structural fill.

The proposed Tula Pavilion would replace those spaces that serve public gathering and large assembly functions at the existing Tula Community Center and would be constructed north of the existing Tula Community Center on a site presently designated as Parking Lot 4A. The proposed building also would incorporate exterior elements, including a courtyard on the north end and an open arcade that wraps around the west side of the building, for a total exterior space of approximately 6,000 sf. The proposed Tula Pavilion would be constructed as a steel-framed building with wood roofs, a reinforced concrete foundation system, and stucco exterior. Construction would require approximately 10,000 sf of concrete and approximately 2,000 cy of backfill.

The anticipated start date for demolition of the Tula Community Center and construction of the proposed Tula Pavilion and Tenochca Community Space is June 2017, with anticipated construction duration of 15 months. However, as discussed in section 4, for modeling purposes a shorter construction timeframe is utilized. The total gross square footage to be demolished is approximately 20,000 gsf. The total gsf to be constructed is approximately 25,000 gsf of interior space. See Table 1 for additional project demolition and construction details.

Table 1
Tula Pavilion and Tenochca Hall Renewal/Refresh Project Details

	Tula Community Center	Tenochca Community Space	Tula Pavilion
Project Phase	Demolition	Construction	Construction
Gross square footage (GSF)	19,872	12,638	12,181 + 5,988 (exterior) = 18,169
Stories	2 stories	2 stories	1 story
Project Phase	Operation	Operation	Operation
Uses	• Lobby • Meeting rooms • Restrooms • Kitchen • Storage • Custodial • "Star Center" • Offices • TV Lounge • Recreation • Laundry • Faculty Apartments	• Lobby • Restrooms • Storage • "Star Center" • Offices • TV Lounge • Recreation • Laundry • Faculty Apartments • "Backyard" Outdoor room	• Assembly space • Classroom space (3 rooms) • Banquet room • Storage • Custodial • Offices • Mechanical • Restrooms • Kitchen • Courtyard • Arcade

3 EXISTING CONDITIONS

The proposed project site consists entirely of developed land. Additionally, the general vicinity of the project site is primarily developed, with parking structures and associated roadways immediately to the east, existing campus buildings to the north and west of the site, and residential neighborhoods to the south.

Climate and Topography

The weather of the San Diego region, as in most of Southern California is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild occasionally wet winters. The average temperature ranges from the mid-40s ^{o}F to the high 90s ^{o}F. Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains (WRCC 2016a.).

4 METHODOLOGY

Construction

Criteria air pollutant emissions and GHG emissions resulting from the construction of the proposed project were estimated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.1. For purposes of modeling, it was assumed that construction would start in June 2017. Given the size of the project, and using CalEEMod default values for construction activities, construction of the proposed project was conservatively assumed to require 15 months to complete.

A detailed depiction of the construction schedule including information regarding sub phases, demolition and equipment used during each sub phase is included in Appendix A of this memo. The information contained in Appendix A was used as CalEEMod model inputs.

Model defaults were used for construction equipment and scheduling specifications and the equipment mix is meant to represent a reasonably conservative estimate of construction activity. For the analysis, it was generally assumed that heavy equipment would be operating at the site for approximately 8 hours per day, 5 days per week, and 22 days per month during project construction.

Operation

The proposed project would not result in a substantial change in the type of operational activity occurring on the project site, as compared to the existing Tula Community Center. However, the change of size/scale of the proposed project, as compared to the existing facilities, could possibly result in increased air emissions; thus, an analysis of such potential increases was conducted.

The proposed project would result in long-term operational emissions associated with area sources and energy use. Area sources include the use of consumer products, landscaping activities, and architectural coating reapplication. Energy use would be associated with electricity for lighting and water conveyance, treatment, and distribution. Indirect emissions (primarily GHGs) from project operations would result from electrical usage, water supply (the energy used to provide water to the project), and solid waste generation. GHG emissions from electrical usage are produced when energy consumed on the site is generated by fuel combustion at power plants. GHG emissions from water supply are also indirect emissions resulting from the energy required to treat and transport water from its source to the proposed project site. Solid waste emissions are generated when the increased waste generated by the proposed project is taken to a landfill to decompose. The proposed project would replace existing student facilities, so existing operational emissions were subtracted from the projected air pollutant and GHG emissions. CalEEMod default values were used to estimate operational emissions from the

project's area, energy, and mobile sources. For water use, consistent with Executive Order B-29-15, a 25% water use reduction was assumed. Additionally, for solid waste, consistent with AB 341, a 75% solid waste reduction was assumed. Refer to Appendix A for additional information.

5 THRESHOLDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to air quality are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to air quality would occur if the project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Violate any air quality standard or contribute substantially to an existing or projected air quality violation.
3. Result in a cumulatively considerable new increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative threshold emissions which exceed quantitative thresholds for ozone precursors).
4. Expose sensitive receptors to substantial pollutant concentrations.
5. Create objectionable odors affecting a substantial number of people.

The significance criteria used to evaluate the project impacts to greenhouse gas emissions also are based on Appendix G of the CEQA Guidelines. According to the Appendix G of the CEQA Guidelines, a significant impact related to greenhouse gases would occur if the project would:

1. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

San Diego Air Pollution Control District (SDAPCD) As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 2.0.2 that require the preparation of Air Quality Impact Assessments for permitted stationary sources. The SDAPCD sets quantitative emission thresholds below which a stationary source would not have a significant impact on ambient air quality. While CSU/SDSU, as a state agency, is not subject to local land use regulations, for the limited purpose of this analysis, the SDAPCD thresholds will be utilized to assess significant impacts. Thus, project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented in Table 2 are exceeded.

Table 2
SDAPCD Air Quality Significance Thresholds

Construction Emissions			
Pollutant	*Total Emissions (Pounds per Day)*		
Respirable particulate matter (PM_{10})	100		
Fine particulate matter ($PM_{2.5}$)	67		
Oxides of nitrogen (NO_x)	250		
Oxides of sulfur (SO_x)	250		
Carbon monoxide (CO)	550		
Volatile organic compounds (VOC)	75[a]		
Operational Emissions			
Pollutant	*Total Emissions*		
	Pounds per Hour	*Pounds per Day*	*Tons per Year*
Respirable particulate matter (PM_{10})	—	100	15
Fine particulate matter ($PM_{2.5}$)	—	67	10
Oxides of nitrogen (NO_x)	25	250	40
Sulfur oxides (SO_x)	25	250	40
Carbon monoxide (CO)	100	550	100
Lead and lead compounds	—	3.2	0.6
Volatile organic compounds (VOC)	—	75[a]	13.7

Source: SDAPCD Rules 1501 (SDAPCD 1995) and 20.2(d)(2) (SDAPCD 2016b).

[a] VOC threshold based on the threshold of significance for VOCs from the South Coast Air Quality Management District for the Coachella Valley as stated in the San Diego County Guidelines for Determining Significance.

For use in California Environmental Quality Act (CEQA) purposes, the thresholds listed in Table 2 represent screening-level thresholds that can be used to evaluate whether project-related emissions could cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. In the event that emissions exceed these thresholds, modeling would be required to demonstrate that the proposed project's total air quality impacts would result in ground-level concentrations that are below the California Ambient Air Quality Standards and National Ambient Air Quality Standards, including appropriate background levels. For nonattainment pollutants, if emissions exceed the thresholds shown in Table 2, the proposed project could have the potential to result in a cumulatively considerable net increase in these pollutants, and thus, could have a significant impact on ambient air quality.

Additionally, the following rules and regulations apply to all sources in the jurisdiction of SDAPCD:

- **SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance.** Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or

have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1969).

- **SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust.** Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site (SDAPCD 2009b).
- **SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings.** Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015).

6 IMPACT ANALYSIS

Would the project conflict with or obstruct implementation of the applicable air quality plan?

The SDAPCD and San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plans for attainment and maintenance of the ambient air quality standards in the San Diego Air Basin (SDAB), specifically the State Implementation Plan (SIP) and Regional Air Quality Strategy (RAQS) (SDAPCD 2009).[1] The federal O_3 maintenance plan, which is part of the SIP, was adopted in 2012 (SDAPCD 2012). The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the SDAB based on the National Ambient Air Quality Standards. The RAQS was initially adopted in 1991 and is updated on a triennial basis, most recently in 2016. The RAQS outlines the SDAPCD's plans and control measures designed to attain the state air quality standards for ozone (O_3). In addition, the SDAPCD has implemented incentive-based programs and has worked with SANDAG to implement regional transportation control measures.

The SIP and RAQS rely on information from the California Air Resources Board (CARB) and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County and the cities in the County, to project future emissions and to determine from them the strategies necessary for the reduction of emissions through regulatory

[1] For the purpose of this discussion, the relevant federal air quality plan is the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County* (SDAPCD 2012). The RAQS is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the SDAB.

controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans.

If a project proposes development that is greater than anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality.

As proposed, the project – which calls for the targeted redevelopment of a discrete portion of the campus – would not result in regional growth that is not accounted for in the RAQS and the SIP because the purpose of the project is not to accommodate additional student growth at the campus but rather provide more updated amenities and services to the existing student population. Specifically, the proposed project would not generate new operational vehicle trips that are otherwise unaccounted for in CARB's mobile source emission projections and would not generate new population growth that is otherwise unaccounted for in SANDAG's growth projections; as such, the proposed project would not conflict with the projected emission trends provided in the RAQS and the SIP. Therefore, the proposed project would be consistent at a regional level with the underlying growth forecasts in the RAQS and the SIP. Impacts would be less than significant.

Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Construction of the proposed project would result in a temporary addition of pollutants to the local airshed caused by fugitive dust emissions, as well as combustion pollutants from on-site construction equipment and off-site trucks hauling demolition debris and construction materials. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for dust, the prevailing weather conditions. Fugitive dust (i.e., particulate matter with an aerodynamic diameter equal to or less than 10 microns (PM_{10}) and particulate matter with an aerodynamic diameter equal to or less than 2.5 microns ($PM_{2.5}$)) emissions would primarily result from grading and site preparation activities. Oxides of nitrogen (NO_x) and carbon monoxide (CO) emissions would primarily result from the use of construction equipment and motor vehicles.

Emissions resulting from the construction phase of the proposed project were estimated using CalEEMod. For the purposes of emissions modeling, it was assumed that construction of the proposed project would begin in summer of 2017 and be completed in Summer 2018. Detailed assumptions are provided in Section 2, Project Construction Assumptions, and in Appendix A.

The proposed project would be required to comply with all applicable SDAPCD Rules and Regulations, including SDAPCD Rule 67.0.1, Architectural Coatings and Rule 55, Fugitive Dust. Rule 67.0.1, as discussed previously, require manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce volatile organic compound (VOC) emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories. VOC content restrictions, which include 150 grams per liter for exterior coatings and 100 grams per liter for interior coatings, are reflected in the emissions estimates and were incorporated into the CalEEMod modeling. Additionally, to account for compliance with Rule 55, it was assumed that active areas of the project site would be watered at least three times daily, resulting in an approximately 61% reduction in emissions.

Table 3 shows the estimated maximum daily construction emissions associated with construction of the proposed project. Complete details of the emissions calculations are provided in Appendix A.

Table 3
Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
2017	3.23	72.95	21.63	0.16	8.77	2.06
2018	*52.58*	*11.74*	*9.37*	*0.01*	*0.86*	*0.70*
SDAPCD threshold	*75*	*250*	*550*	*250*	*100*	*67*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = particulate matter with an aerodynamic diameter equal to or less than 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns

As shown in Table 3, daily construction emissions would not exceed the SDAPCD significance thresholds for VOC, NO_x, CO, sulfur oxides (SO_x), PM_{10}, or $PM_{2.5}$; therefore, impacts during construction would be considered less than significant.

Following the completion of construction activities, the proposed project would generate criteria pollutant emissions from area, energy and mobile sources. For the project's land uses that CalEEMod does not include as input options, surrogate land uses were selected to represent the proposed or existing land use based on similar land use characteristics and associated model default values. Area sources include gasoline-powered landscape maintenance equipment, consumer products, and architectural coatings for the maintenance of buildings. For all proposed architectural coatings, the interior and exterior VOC content was assumed to be 100 grams per liter (g/L) and 150 g/L, respectively, in accordance with SDAPCD Rule 67.0.1. Otherwise, CalEEMod default values for mobile and energy were used.

Table 4, Estimated Maximum Daily Operational Criteria Air Pollutant Emissions, summarizes the average daily area, energy and mobile emissions of criteria pollutants that would be generated by the proposed project, as well as emissions associated with existing land uses. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Complete details of the emissions calculations are provided in Appendix A.

Table 4
Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Proposed Project						
Area	0.61	0.00	0.01	0.00	0.00	0.00
Energy	0.03	0.24	0.20	0.00	0.02	0.02
Mobile	0.99	4.09	11.34	0.03	2.56	0.71
Total	**1.62**	**4.33**	**11.55**	**0.03**	**2.58**	**0.73**
Existing Land Uses						
Area	*0.55*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*
Energy	*0.02*	*0.22*	*0.19*	*0.00*	*0.02*	*0.02*
Mobile	*1.98*	*6.45*	*23.82*	*0.05*	*1.73*	*0.56*
Total	**2.56**	**6.67**	**24.02**	**0.05**	**1.75**	**0.58**
Net Change	*-0.94*	*-2.34*	*-12.47*	*-0.02*	*0.83*	*0.15*
SDAPCD threshold	*75*	*250*	*550*	*250*	*100*	*67*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = particulate matter with an aerodynamic diameter equal to or less than 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns

As shown in Table 4, daily operational emissions from the proposed project would not exceed the SDAPCD significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ and would actually lead to fewer emissions than existing facilities except for PM_{10} and $PM_{2.5}$, which have only nominal increases (i.e., increases that amount to less than one additional pound per day of each pollutant). Therefore, operational emissions would be considered less than significant.

Would the project result in a cumulatively considerable new increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative threshold emissions which exceed quantitative thresholds for ozone precursors?

In analyzing cumulative impacts from the proposed project, the analysis must specifically evaluate a project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the California Ambient Air Quality Standards and National Ambient Air Quality Standards. If the proposed project does not exceed regional thresholds and is determined to have less-than-significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the proposed project, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, the proposed project would only be considered to have a significant cumulative impact if the proposed project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

The SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. PM_{10} and $PM_{2.5}$ emissions associated with construction generally result in localized impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors in the SDAB. As discussed above, the emissions of all criteria pollutants would be substantially below the significance levels. Construction would be short-term and temporary in nature. Once construction is completed, construction-related emissions would cease. Operational emissions generated by the proposed project would be negligible or result in an improvement in air quality relative to existing conditions, and would not result in a significant impact. As such, the proposed project would result in less-than-significant cumulative impacts to air quality.

The RAQS and the SIP rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. As previously noted, the proposed project would replace existing facilities and would not result in regional growth not accounted for in the RAQS and the SIP. Specifically, the proposed project would not generate additional operational vehicle trips and would not conflict with the projected emission trends provided in the RAQS and the SIP. Additionally, the proposed project is consistent with the existing land use designation; thus, it would be consistent at a regional level with the underlying growth forecasts in the RAQS and the SIP. As a result, the proposed project would not result in a cumulatively considerable contribution to regional O_3 concentrations. Cumulative impacts would be considered less than significant.

Would the project expose sensitive receptors to substantial pollutant concentrations?

In addition to regional impacts from criteria pollutants, the proposed project would have the potential of resulting in localized impacts from emissions of pollutants identified by the state and federal government as toxic air contaminants (TACs) or hazardous air pollutants, respectively, as well as CO hotspots.

Toxic Air Contaminants

State law established the framework for California's toxic air contaminants (TAC) identification and control program, which is generally more stringent than the federal program and is aimed at TACs that are a problem in California. Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAPCD recommends an incremental cancer risk threshold of 10 in a million. "Incremental cancer risk" is the likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 70-year lifetime will contract cancer based on the use of standard risk-assessment methodology.

The greatest potential for TAC emissions during construction would be diesel particulate emissions from heavy equipment operations and heavy-duty trucks and the associated health impacts to sensitive receptors. The closest sensitive receptors to the proposed project would be residents of apartments located along Hardy Avenue, approximately 500 feet southwest of the proposed project site. The proposed project would not require the extensive use of heavy-duty construction equipment, which is subject to a CARB Airborne Toxics Control Measure for in-use diesel construction equipment to reduce diesel particulate emissions, and would not involve extensive use of diesel trucks, which are also subject to a CARB Airborne Toxics Control Measure. Total active construction of the proposed project would take approximately 330 days, after which project-related diesel exhaust emissions would cease. In regards to long-term operations, the proposed project would not result in the generation of TACs as no sources of TACs would be associated with project operations.

Overall, the proposed project would not result in a long-term (i.e., 70-year) source of TAC emissions. No residual diesel exhaust TAC emissions and corresponding cancer risk are anticipated after construction, and no long-term sources of TAC emissions are anticipated during operation of the proposed project. As such, the exposure of project-related TAC emission impacts to sensitive receptors would be less than significant.

Carbon Monoxide Hotspots

Due to the temporary operation of equipment in any one area, construction would not emit CO in quantities that could pose health concerns. Additionally, as depicted in Table 4, the proposed project would generate negligible CO emissions (i.e., 11.55 pounds per day compared to the threshold amount of 550 pounds per day). Exposure of sensitive receptors to CO would be less than significant.

The traffic report conducted by Linscott Law & Greenspan (LLG), Traffic Engineers analyzed construction related impacts because LLG determined that the proposed project would not generate operational traffic trips, which is the main source of CO emissions (LLG 2016). Because the traffic analysis found that the project would not adversely impact conditions at relevant intersections during operation of the proposed project, exposure of sensitive receptors to CO would be less than significant.

Would the project create objectionable odors affecting a substantial number of people?

Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the proposed project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment. Such odors are temporary and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be considered less than significant.

Land uses and industrial operations typically associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. Because proposed project involves university community and assembly spaces, it would not result in the creation of a land use that is commonly associated with substantial odors. Therefore, project operations would result in an odor impact that is less than significant. (SCAQMD 1993).

Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Neither the State of California, the SDAPCD nor CSU/SDSU have adopted quantitative emission-based thresholds for GHG emissions under CEQA. OPR's Technical Advisory titled *CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review* states that "public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined

thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact" (OPR 2008). Furthermore, the advisory document indicates in the third bullet item on page 6 that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice."

Short-term construction and long-term operational GHG emissions associated with project development were estimated using CalEEMod. Construction-related emissions over the full buildout duration were amortized assuming a 30-year development life after completion of construction. [2]

As shown, in Table 5, the estimated GHG emissions generated during project construction would be approximately 90 MT CO_2E in 2017, or 3 MT CO_2E per year if annualized over 30 years. Because there is no separate GHG threshold for construction, the evaluation of significance is discussed in the following operational emissions analysis.

Table 5
Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2E
	MT/year			
2017	89.79	0.02	0.00	90.01
Annualized Construction Emissions				**3.00**

In regards to operations, GHG emissions from energy consumption (electricity and natural gas), mobile sources (vehicles), solid waste, and other sources (including area sources and water conveyance) were estimated. Table 6 presents an estimate of the proposed project's construction and operational GHG emissions, as well as emissions associated with existing land uses. Complete details of the emissions calculations are provided in Appendix A.

[2] The South Coast Air Quality Management District (SCAQMD) and City of San Diego recommend construction emissions be amortized over a 30-year period.

Table 6
Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2E
	Metric Tons per Year			
Proposed Project				
Area	0.00	0.00	0.00	0.00
Energy	122.22	0.01	0.00	122.77
Mobile	417.02	0.02	0.00	417.64
Solid waste	6.10	0.36	0.00	15.12
Water supply and wastewater	7.86	0.00	0.00	8.09
Total	**546.89**	**0.39**	**0.00**	**563.62**
Existing				
Area	0.00	0.00	0.00	0.00
Energy	113.69	0.01	0.00	114.19
Mobile	305.48	0.04	0.00	306.36
Solid waste	4.40	0.26	0.00	10.90
Water supply and wastewater	4.69	0.02	0.00	5.18
Total	**428.26**	**0.13**	**0.00**	**436.63**
Net increase (Proposed project minus Existing)				**126.99**
Amortized construction emissions				*3.10*
Net increase (Proposed project minus Existing) + amortized construction total				**130.09**

Source: See Appendix A for detailed assumptions and results.
Notes: Annualized construction emissions represent emissions amortized over 30 years.
CO_2E = carbon dioxide equivalent; GHG = greenhouse gas

Although CSU/SDSU has not established official thresholds for GHG emissions, the City of San Diego issued guidance that includes a screening threshold of 900 MT CO_2E per year, which is used for the limited purposes of analyzing GHG emissions from the proposed project (City of San Diego 2010). Additionally, screening GHG thresholds used in other jurisdictions include the Bay Area Air Quality Management District's (BAAQMD's) interim threshold of 1,100 MT CO_2E per year for commercial, industrial, and public land-use projects (2010); the Sacramento Metropolitan Air Quality Management District's threshold of 1,100 MT CO_2E per year for projects with construction or operational phases (2014); and the South Coast Air Quality Management District's draft, interim threshold of 3,000 MT CO_2E per year for residential and commercial projects (2008).

As shown in Table 6, the proposed project would result in a net increase of 130 MT CO_2E per year relative to existing conditions. Because the net increase is below all of the identified screening thresholds, impacts would be less than significant.

Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

In June 2005, Governor Schwarzenegger established California's guiding framework for GHG emissions reduction targets in Executive Order S-3-05. The Executive Order established the following goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050. In furtherance of the goals established in Executive Order S-3-05, the legislature enacted Assembly Bill (AB) 32 (Núñez and Pavley) in 2006 and Senate Bill (SB) 32 in 2016. AB 32 requires the state to return to its 1990 emissions level by 2020, and SB 32 requires the state to reduce its emissions 40% below the 1990 level by 2030.

In 2014, CARB adopted the *First Update to the Climate Change Scoping Plan: Building on the Framework* (First Update). The stated purpose of the First Update is to "highlight California's success to date in reducing its GHG emissions and lay the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80% below 1990 levels by 2050." The First Update found that California is on track to meet the 2020 emissions reduction mandate established by AB 32, and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80% below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.

In this case, because the proposed project would not exceed any of the identified screening thresholds, and because the proposed project would adhere to all applicable regulatory compliance measures, the proposed project would not conflict with GHG reduction goals for California established by Executive Order S-3-05, AB 32 and SB 32. Further, although CSU/SDSU has not established an official climate action plan, CSU and SDSU have implemented sustainability strategies and programs to reduce energy consumption, water consumption, and solid waste generation, all of which reduce GHG emissions associated with activities throughout the CSU system and on the SDSU campus in accordance with the policy of the state's executive branch.

Additionally, while the proposed project is not required to comply with the City of San Diego's Climate Action Plan (CAP), an analysis of the project's consistency with the City's CAP is included below for disclosure.

The City CAP includes five strategies to reduce City-wide GHG emissions and to achieve reduction targets for the years 2020 and 2035: (City of San Diego 2015)

1. Energy & Water Efficient Buildings

2. Clean & Renewable Energy
3. Bicycling, Walking, Transit & Land Use
4. Zero Waste (Gas & Waste Management)
5. Climate Resiliency

Each of the City's CAP strategies includes goals to identify ways to reduce GHG emissions. The CAP Consistency Checklist, adopted July 12, 2016, is the primary document used by the City of San Diego to ensure project-by-project consistency with the underlying assumptions in the CAP and that the City would achieve its emission reduction targets identified in the CAP. The CAP Checklist includes a 3-step process to determine project consistency. (City of San Diego 2016)

Step 1 consists of an evaluation to determine the project's consistency with existing General Plan, Community and zoning designations. Because the proposed project is not within the CAP's jurisdiction, step 1 would not be applicable to the project.

Step 2 consists of an evaluation of the project's consistency with the five goals and the applicable strategies of the CAP, discussed above.

The CAP's first strategy is aimed at energy and water efficient buildings through the adoption of ordinances and plans. The proposed project would not conflict with the City's ability to implement the actions identified in the CAP. In addition, the project would comply with various statewide and CSU/SDSU measures to reduce water usage including but not limited to, CALGreen requirements for institutional structures and Executive Order B-29-15, which requires a statewide reduction on potable urban water use of 25% relative to water use in 2015. Further, the proposed project would be required to comply with Title 24, which serves to enhance and regulate California's building standards. The most recent amendments, referred to as the 2016 standards, become effective on January 1, 2017. Finally, the proposed project would be designed to meet a minimum of Leadership in Energy and Environmental Design (LEED) Silver certification or equivalent.

Strategy two focuses on clean and renewable energy. Actions under this strategy include increasing the number of municipal zero emission vehicles and natural gas vehicles. These actions would not apply to implementation of the project. Currently, the potential measure requiring construction to install conduit for future photovoltaics and electric vehicle charging stations has not been proposed by the City staff or adopted by City Council. Nonetheless, while the proposed project does not include any plans for solar installations, the SDSU campus as a whole has several solar installations and EV charging stations.

Strategy three outlines goals and actions related to bicycling, walking, transit and land use. Goals include increasing the use of mass transit, increasing commuter walking and bicycling opportunities, reducing vehicle fuel consumption and promoting effective land use to reduce vehicle miles traveled. The project would not conflict or impede with strategy 3. Additionally, a substantial bike trail system and mass transit options are already in place on the SDSU campus.

Strategy four, which focuses on zero waste, includes the goal of diverting solid waste and capturing landfill CH_4 gas emissions and capturing CH_4 gas from wastewater treatment. Both of the strategy four goals would be implemented by various City departments and the project would not conflict with implementation of the actions required to meet the City's targets.

The fifth strategy relates to climate resiliency and includes the goal of increasing tree canopy coverage. The action under this goal includes consideration of a city-wide Urban Tree Planting Program, which would incorporate water conservation measures and prioritization of drought-tolerant and native trees and plantings in areas with recycled water. The project would conform to the campuses existing water efficient irrigation systems and drought tolerant planting program. Therefore, the project would not conflict with the City's actions to increase tree canopy coverage through a planting program and supporting measures.

As explained above, the project would not conflict with any of the five strategies outlined in the CAP. As such, the project would be consistent with step 2 of the CAP checklist.

Step 3 of Checklist is only applicable if step 1 is answered in the affirmative under option three. Because step 1 is not applicable to the proposed project, step 3 would not be applicable.

In summary, where applicable, the proposed project would be consistent with CAP and would otherwise not conflict with any polices, targets or actions within the CAP

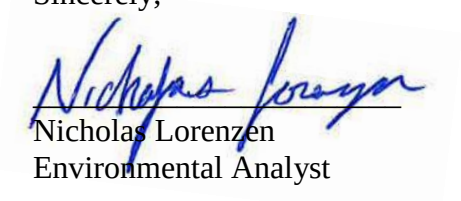
Finally, CSU/SDSU, the local jurisdictions, and the SDAPCD have not adopted GHG reduction measures that would apply to the GHG emissions associated with the proposed project. As previously discussed, CSU and SDSU have implemented sustainability strategies and programs to reduce energy consumption, water consumption, and solid waste generation, all of which reduce GHG emissions associated with activities throughout the CSU system and on the SDSU campus. The proposed project would be consistent and compliant with these programs and initiatives. These programs and initiatives, however, were not adopted with the specific purposes of reducing GHG emissions. At this time, no mandatory GHG regulations or finalized agency guidelines would apply to implementation of this proposed project, and no conflict would occur. Therefore, this impact would be less than significant.

7 SUMMARY AND CONCLUSIONS

The air quality impact analysis evaluates the potential for significant adverse impacts to the ambient air quality due to construction and operational emissions resulting from the proposed project. Construction of the proposed project would result in a temporary addition of pollutants to the local airshed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as from off-site trucks hauling construction materials. The analysis, as set forth above, concludes that the daily construction emissions would not exceed the SDAPCD significance thresholds for criteria pollutants, and impacts during construction would be less than significant. Operational emissions also were found to be below the SDAPCD's significance thresholds; therefore, impacts during project operation would be less than significant.

The proposed project's potential effect on global climate change was evaluated, and emissions of GHGs were estimated based on the use of construction equipment and vehicle trips associated with construction activities, as well as operational emissions once construction phases are complete. The proposed project would result in approximately 130 MT CO_2E per year, which would be below the currently utilized MT CO_2E screening thresholds that have been established for assessing GHG emissions of projects in the state. Additionally, the proposed project would not conflict or impede with any applicable GHG plans, policies, or regulations. Accordingly, GHG impacts would be considered less than significant.

Sincerely,



Nicholas Lorenzen
Environmental Analyst

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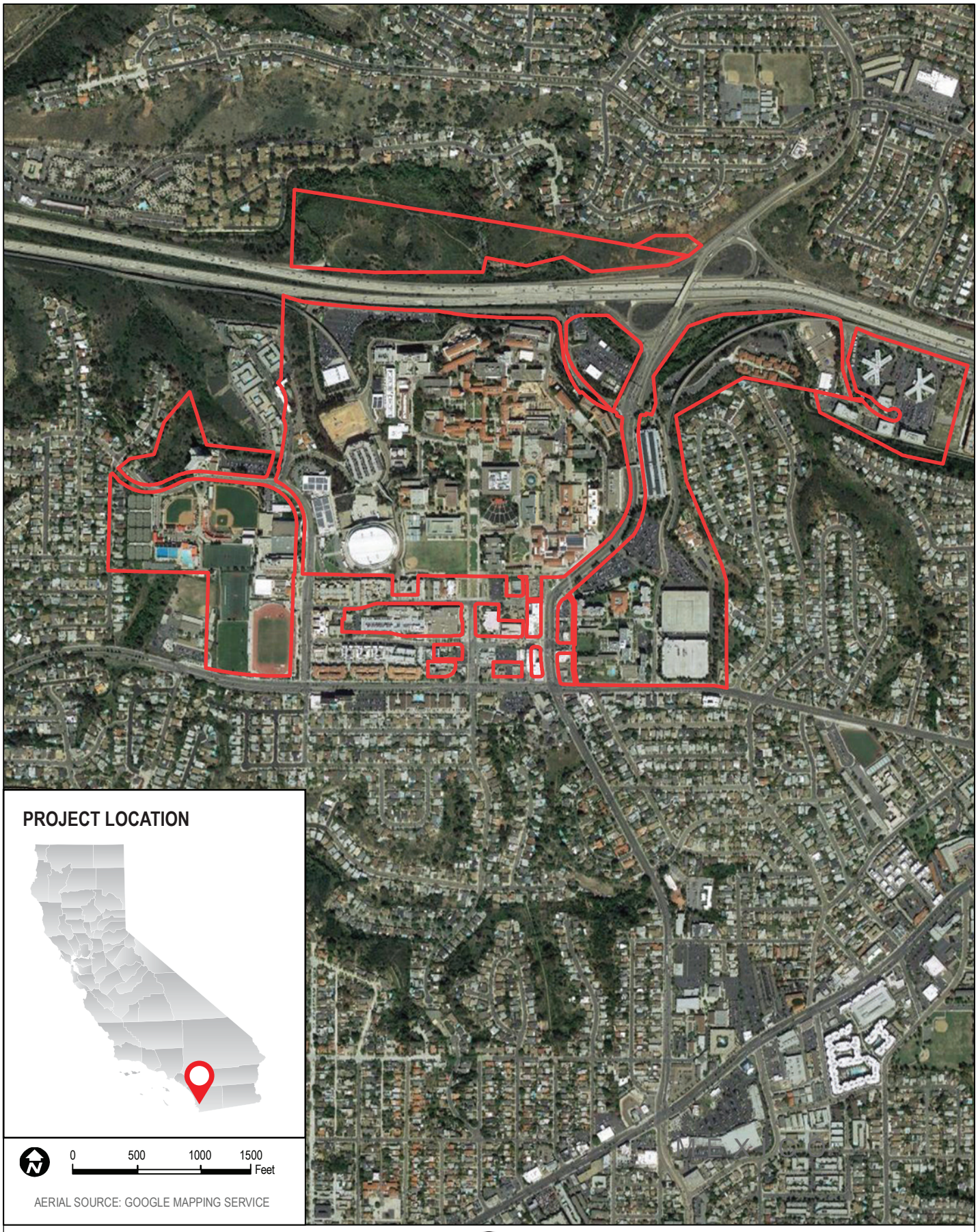
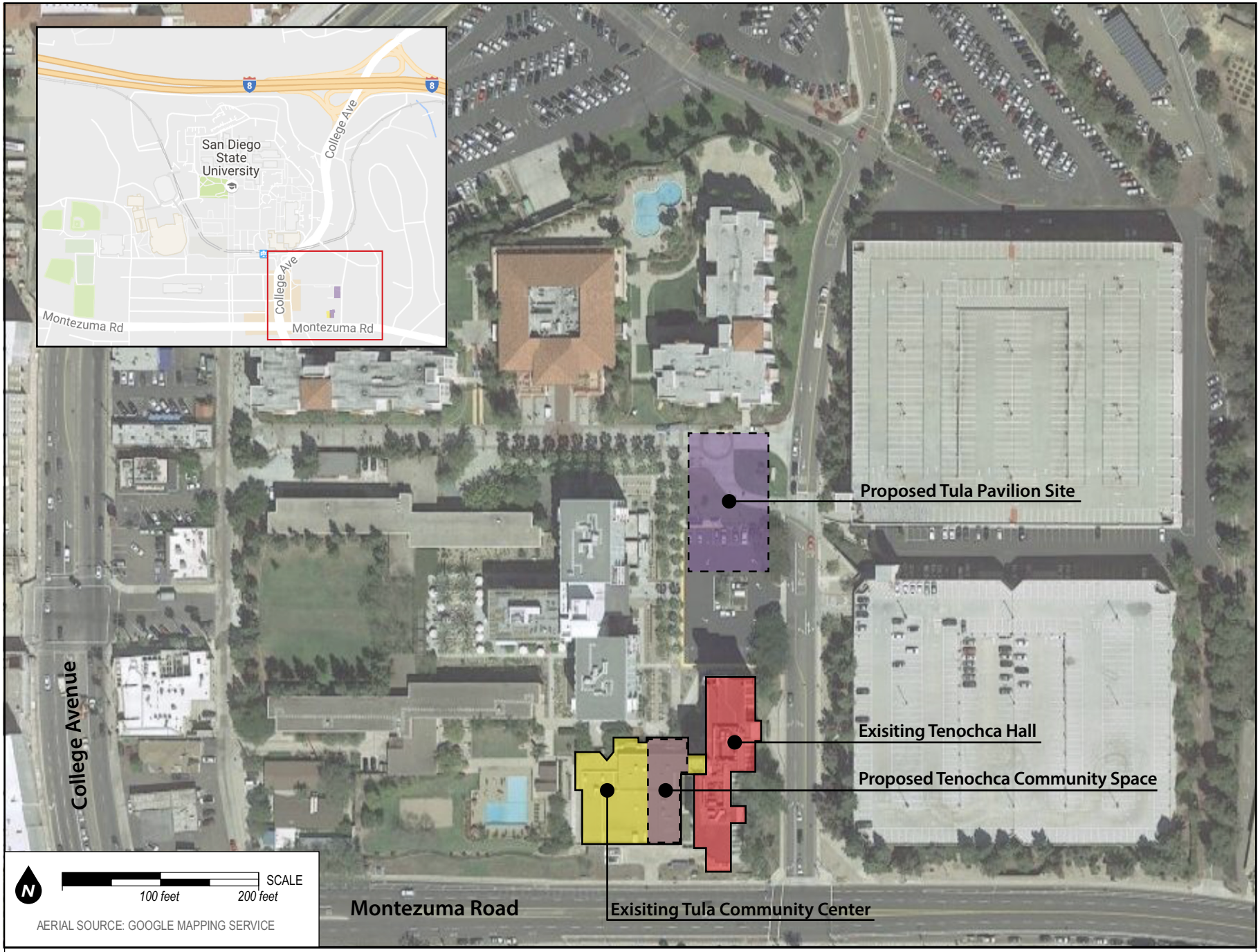


SDSU
Tula Pavilion and Tenochca Hall Renewal/Refresh Project

SAN DIEGO STATE UNIVERSITY

FIGURE 1
PROJECT LOCATION AND VICINITY MAP



SDSU
Tula Pavilion and Tenochca Hall Renewal/Refresh Project

SAN DIEGO STATE UNIVERSITY

FIGURE 2
PROJECT SITE

APPENDIX A

CalEEMod Output Files

Tula Pavilion and Tenochca Community Space Project

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	12.18	1000sqft	0.28	12,181.00	0
University/College (4Yr)	78.00	Student	0.33	12,638.00	78
Other Asphalt Surfaces	6.00	1000sqft	0.14	6,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2018
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anticipated Construction Start Date July 2017. Anticipated Operational Start Date: September 2018

Land Use - Tula Pavilion - 12,181 sqft of Interior space and 6,000 sqft of exterior space. Tenocha Community Space - 12,638 sqft and would support/house 78 students.

Off-road Equipment - CalEEMod Defaults Assumed.

Trips and VMT - Worker Trips rounded to even values to account for 2 way trips.

Demolition - Approximately 20,000 sqft of demolition

Grading - 2,850 CY of backfill required to construct both buildings.

Architectural Coating - In compliance with Rule 67.0 Architectural Coatings, Interior coating VOC restricted to 100 grams per liter and exterior coating VOCs restricted to 150 grams per liter.coating VOCs restrited to 150 grams per liter.

Vehicle Trips - CalEEMod Defaults Assumed.

Area CoatiArea Coating - In compliance with Rule 67.0 Architectural Coatings, Interior coating VOC restricted to 100 grams per liter and exterior coating VOCs restricted to 150 grams per liter.VOCs restrited to 150 grams per liter.

Water And Wastewater - 100% Aerobic

Construction Off-road Equipment Mitigation - None

Water Mitigation - Apply Water Conservation Strategy: 25% reduction. Water Reduction consistent with Executive Order B-29-1515

Waste Mitigation - Apply Waste Reduction measures: 75% reduction consistent with AB 341.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblGrading	MaterialImported	0.00	2,850.00
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,181.00
tblLandUse	BuildingSpaceSquareFeet	14,336.20	12,638.00
tblLandUse	LandUseSquareFeet	12,180.00	12,181.00
tblLandUse	LandUseSquareFeet	14,336.20	12,638.00
tblLandUse	Population	0.00	78.00
tblTripsAndVMT	HaulingTripNumber	91.00	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	52.6162	72.9471	21.6329	0.1554	4.1456	1.0866	5.2322	1.3183	1.0372	2.3556	0.0000	16,716.7543	16,716.7543	1.6835	0.0000	16,758.8408
Maximum	**52.6162**	**72.9471**	**21.6329**	**0.1554**	**4.1456**	**1.0866**	**5.2322**	**1.3183**	**1.0372**	**2.3556**	**0.0000**	**16,716.7543**	**16,716.7543**	**1.6835**	**0.0000**	**16,758.8408**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	52.6162	72.9471	21.6329	0.1554	3.5643	1.0866	4.6509	1.0474	1.0372	2.0847	0.0000	16,716.7543	16,716.7543	1.6835	0.0000	16,758.8408
Maximum	**52.6162**	**72.9471**	**21.6329**	**0.1554**	**3.5643**	**1.0866**	**4.6509**	**1.0474**	**1.0372**	**2.0847**	**0.0000**	**16,716.7543**	**16,716.7543**	**1.6835**	**0.0000**	**16,758.8408**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.02**	**0.00**	**11.11**	**20.55**	**0.00**	**11.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Energy	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429
Mobile	0.9931	4.0907	11.3371	0.0312	2.5183	0.0381	2.5564	0.6733	0.0359	0.7092		3,162.0276	3,162.0276	0.1923		3,166.8353
Total	**1.6249**	**4.3341**	**11.5514**	**0.0327**	**2.5183**	**0.0566**	**2.5749**	**0.6733**	**0.0544**	**0.7277**		**3,453.9568**	**3,453.9568**	**0.1980**	**5.3500e-003**	**3,460.5007**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Energy	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429
Mobile	0.9931	4.0907	11.3371	0.0312	2.5183	0.0381	2.5564	0.6733	0.0359	0.7092		3,162.0276	3,162.0276	0.1923		3,166.8353
Total	**1.6249**	**4.3341**	**11.5514**	**0.0327**	**2.5183**	**0.0566**	**2.5749**	**0.6733**	**0.0544**	**0.7277**		**3,453.9568**	**3,453.9568**	**0.1980**	**5.3500e-003**	**3,460.5007**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2017	6/14/2017	5	10	
2	Site Preparation	Site Preparation	6/15/2017	6/15/2017	5	1	
3	Grading	Grading	6/16/2017	6/19/2017	5	2	
4	Building Construction	Building Construction	6/20/2017	11/6/2017	5	100	
5	Paving	Paving	11/7/2017	11/13/2017	5	5	
6	Architectural Coating	Architectural Coating	11/14/2017	11/20/2017	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,229; Non-Residential Outdoor: 12,410; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	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	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	356.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	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

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

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

Fugitive Dust					1.9933	0.0000	1.9933	0.3019	0.0000	0.3019			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**1.9933**	**0.7318**	**2.7250**	**0.3019**	**0.6978**	**0.9996**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0389	0.3683	8.7000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		86.6718	86.6718	3.2700e-003		86.7536
Total	**0.0531**	**0.0389**	**0.3683**	**8.7000e-004**	**0.0822**	**6.0000e-004**	**0.0828**	**0.0218**	**5.6000e-004**	**0.0224**		**86.6718**	**86.6718**	**3.2700e-003**		**86.7536**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7774	0.0000	0.7774	0.1177	0.0000	0.1177			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.7774**	**0.7318**	**1.5092**	**0.1177**	**0.6978**	**0.8155**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0389	0.3683	8.7000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		86.6718	86.6718	3.2700e-003		86.7536
Total	**0.0531**	**0.0389**	**0.3683**	**8.7000e-004**	**0.0822**	**6.0000e-004**	**0.0828**	**0.0218**	**5.6000e-004**	**0.0224**		**86.6718**	**86.6718**	**3.2700e-003**		**86.7536**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347		999.5201	999.5201	0.3063		1,007.1764
Total	**0.8524**	**10.5148**	**4.3533**	**9.7700e-003**	**0.5303**	**0.4726**	**1.0028**	**0.0573**	**0.4347**	**0.4920**		**999.5201**	**999.5201**	**0.3063**		**1,007.1764**

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0265	0.0195	0.1842	4.4000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.3359	43.3359	1.6300e-003		43.3768
Total	**0.0265**	**0.0195**	**0.1842**	**4.4000e-004**	**0.0411**	**3.0000e-004**	**0.0414**	**0.0109**	**2.8000e-004**	**0.0112**		**43.3359**	**43.3359**	**1.6300e-003**		**43.3768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347	0.0000	999.5201	999.5201	0.3063		1,007.1764
Total	**0.8524**	**10.5148**	**4.3533**	**9.7700e-003**	**0.2068**	**0.4726**	**0.6794**	**0.0223**	**0.4347**	**0.4571**	**0.0000**	**999.5201**	**999.5201**	**0.3063**		**1,007.1764**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0265	0.0195	0.1842	4.4000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.3359	43.3359	1.6300e-003		43.3768

Total	**0.0265**	**0.0195**	**0.1842**	**4.4000e-004**	**0.0411**	**3.0000e-004**	**0.0414**	**0.0109**	**2.8000e-004**	**0.0112**		**43.3359**	**43.3359**	**1.6300e-003**		**43.3768**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9530	0.0000	0.9530	0.4441	0.0000	0.4441			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.9530**	**0.7318**	**1.6848**	**0.4441**	**0.6978**	**1.1419**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9674	62.4103	13.3463	0.1425	3.1105	0.3542	3.4647	0.8525	0.3389	1.1914		15,450.7749	15,450.7749	1.4483		15,486.9825
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0389	0.3683	8.7000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		86.6718	86.6718	3.2700e-003		86.7536
Total	**2.0205**	**62.4493**	**13.7147**	**0.1434**	**3.1926**	**0.3548**	**3.5474**	**0.8742**	**0.3395**	**1.2137**		**15,537.4468**	**15,537.4468**	**1.4516**		**15,573.7361**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3717	0.0000	0.3717	0.1732	0.0000	0.1732			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.3717**	**0.7318**	**1.1034**	**0.1732**	**0.6978**	**0.8710**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9674	62.4103	13.3463	0.1425	3.1105	0.3542	3.4647	0.8525	0.3389	1.1914		15,450.7749	15,450.7749	1.4483		15,486.9825
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0389	0.3683	8.7000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		86.6718	86.6718	3.2700e-003		86.7536
Total	**2.0205**	**62.4493**	**13.7147**	**0.1434**	**3.1926**	**0.3548**	**3.5474**	**0.8742**	**0.3395**	**1.2137**		**15,537.4468**	**15,537.4468**	**1.4516**		**15,573.7361**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

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

Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**		**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0310	0.7080	0.2137	1.3700e-003	0.0339	6.6800e-003	0.0405	9.7400e-003	6.3900e-003	0.0161		145.9158	145.9158	0.0132		146.2451
Worker	0.0690	0.0506	0.4788	1.1300e-003	0.1068	7.9000e-004	0.1076	0.0283	7.3000e-004	0.0291		112.6734	112.6734	4.2500e-003		112.7796
Total	**0.1000**	**0.7586**	**0.6925**	**2.5000e-003**	**0.1406**	**7.4700e-003**	**0.1481**	**0.0381**	**7.1200e-003**	**0.0452**		**258.5892**	**258.5892**	**0.0174**		**259.0247**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**	**0.0000**	**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0310	0.7080	0.2137	1.3700e-003	0.0339	6.6800e-003	0.0405	9.7400e-003	6.3900e-003	0.0161		145.9158	145.9158	0.0132		146.2451
Worker	0.0690	0.0506	0.4788	1.1300e-003	0.1068	7.9000e-004	0.1076	0.0283	7.3000e-004	0.0291		112.6734	112.6734	4.2500e-003		112.7796
Total	**0.1000**	**0.7586**	**0.6925**	**2.5000e-003**	**0.1406**	**7.4700e-003**	**0.1481**	**0.0381**	**7.1200e-003**	**0.0452**		**258.5892**	**258.5892**	**0.0174**		**259.0247**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636		1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1266**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**		**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0955	0.0701	0.6630	1.5700e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		156.0093	156.0093	5.8800e-003		156.1564
Total	**0.0955**	**0.0701**	**0.6630**	**1.5700e-003**	**0.1479**	**1.0900e-003**	**0.1490**	**0.0392**	**1.0100e-003**	**0.0402**		**156.0093**	**156.0093**	**5.8800e-003**		**156.1564**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636	0.0000	1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1266**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**	**0.0000**	**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0955	0.0701	0.6630	1.5700e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		156.0093	156.0093	5.8800e-003		156.1564

Total	**0.0955**	**0.0701**	**0.6630**	**1.5700e-003**	**0.1479**	**1.0900e-003**	**0.1490**	**0.0392**	**1.0100e-003**	**0.0402**		**156.0093**	**156.0093**	**5.8800e-003**		**156.1564**

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**52.6003**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0159	0.0117	0.1105	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7000e-003		26.0016	26.0016	9.8000e-004		26.0261
Total	**0.0159**	**0.0117**	**0.1105**	**2.6000e-004**	**0.0246**	**1.8000e-004**	**0.0248**	**6.5400e-003**	**1.7000e-004**	**6.7000e-003**		**26.0016**	**26.0016**	**9.8000e-004**		**26.0261**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**52.6003**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0159	0.0117	0.1105	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7000e-003		26.0016	26.0016	9.8000e-004		26.0261
Total	**0.0159**	**0.0117**	**0.1105**	**2.6000e-004**	**0.0246**	**1.8000e-004**	**0.0248**	**6.5400e-003**	**1.7000e-004**	**6.7000e-003**		**26.0016**	**26.0016**	**9.8000e-004**		**26.0261**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9931	4.0907	11.3371	0.0312	2.5183	0.0381	2.5564	0.6733	0.0359	0.7092		3,162.0276	3,162.0276	0.1923		3,166.8353
Unmitigated	0.9931	4.0907	11.3371	0.0312	2.5183	0.0381	2.5564	0.6733	0.0359	0.7092		3,162.0276	3,162.0276	0.1923		3,166.8353

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	334.83	136.78	14.74	662,333	662,333
Other Asphalt Surfaces	0.00	0.00	0.00		
University/College (4Yr)	133.38	101.40	0.00	277,206	277,206
Total	468.21	238.18	14.74	939,539	939,539

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
University/College (4Yr)	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Other Asphalt Surfaces	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429
NaturalGas Unmitigated	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1217.77	0.0131	0.1194	0.1003	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.2666	143.2666	2.7500e-003	2.6300e-003	144.1180
Other Asphalt Surfaces	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
University/College (4Yr)	1263.45	0.0136	0.1239	0.1041	7.4000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003		148.6416	148.6416	2.8500e-003	2.7300e-003	149.5249
Total		**0.0268**	**0.2433**	**0.2043**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.9082**	**291.9082**	**5.6000e-003**	**5.3600e-003**	**293.6429**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.21777	0.0131	0.1194	0.1003	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.2666	143.2666	2.7500e-003	2.6300e-003	144.1180
Other Asphalt Surfaces	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
University/College (4Yr)	1.26345	0.0136	0.1239	0.1041	7.4000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003		148.6416	148.6416	2.8500e-003	2.7300e-003	149.5249
Total		**0.0268**	**0.2433**	**0.2043**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.9082**	**291.9082**	**5.6000e-003**	**5.3600e-003**	**293.6429**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Unmitigated	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5000e-004	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Total	**0.6051**	**9.0000e-005**	**9.9600e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0211**	**0.0211**	**6.0000e-005**		**0.0225**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5000e-004	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Total	**0.6051**	**9.0000e-005**	**9.9600e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0211**	**0.0211**	**6.0000e-005**		**0.0225**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Tula Pavilion and Tenochca Community Space Project

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	12.18	1000sqft	0.28	12,181.00	0
University/College (4Yr)	78.00	Student	0.33	12,638.00	78
Other Asphalt Surfaces	6.00	1000sqft	0.14	6,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2018
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anticipated construction start date July 2017. Anticipated operational start date: September 2018

Land Use - Tula Pavilion - 12,181 sqft of Interior space and 6,000 sqft of exterior space. Tenocha Community Space - 12,638 sqft and would support/house 78 students.

Off-road Equipment - Off-road Equipment - CalEEMod defaults assumed.

Trips and VMT - Worker Trips rounded to even values to account for 2 way trips.

Demolition - Approximately 20,000 sqft of demolition

Grading - 2,850 CY of backfill required to construct both buildings.

Architectural Coating - In compliance with Rule 67.0 Architectural Coatings, Interior coating VOC restricted to 100 grams per liter and exterior coating VOCs restricted to 150 grams per liter.

Vehicle Trips - CalEEMod defaults assumed.

Area Coating - In compliance with Rule 67.0 Architectural Coatings, Interior coating VOC restricted to 100 grams per liter and exterior coating VOCs restricted to 150 grams per liter.

Water And Wastewater - 100% Aerobic

Construction Off-road Equipment Mitigation - None

Water Mitigation - Apply Water Conservation Strategy: 25% reduction. Water Reduction consistent with Executive Order B-29-15.

Waste Mitigation - Apply Waste Reduction measures: 75% reduction consistent with AB 341.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblGrading	MaterialImported	0.00	2,850.00
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,181.00
tblLandUse	BuildingSpaceSquareFeet	14,336.20	12,638.00
tblLandUse	LandUseSquareFeet	12,180.00	12,181.00
tblLandUse	LandUseSquareFeet	14,336.20	12,638.00
tblLandUse	Population	0.00	78.00
tblTripsAndVMT	HaulingTripNumber	91.00	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	52.6144	72.2033	20.7097	0.1578	4.1456	1.0803	5.2259	1.3183	1.0312	2.3495	0.0000	16,972.9571	16,972.9571	1.6298	0.0000	17,013.7014
Maximum	**52.6144**	**72.2033**	**20.7097**	**0.1578**	**4.1456**	**1.0803**	**5.2259**	**1.3183**	**1.0312**	**2.3495**	**0.0000**	**16,972.9571**	**16,972.9571**	**1.6298**	**0.0000**	**17,013.7014**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	52.6144	72.2033	20.7097	0.1578	3.5643	1.0803	4.6445	1.0474	1.0312	2.0786	0.0000	16,972.9571	16,972.9571	1.6298	0.0000	17,013.7014
Maximum	**52.6144**	**72.2033**	**20.7097**	**0.1578**	**3.5643**	**1.0803**	**4.6445**	**1.0474**	**1.0312**	**2.0786**	**0.0000**	**16,972.9571**	**16,972.9571**	**1.6298**	**0.0000**	**17,013.7014**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.02**	**0.00**	**11.12**	**20.55**	**0.00**	**11.53**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Energy	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429
Mobile	1.0148	3.9610	11.3997	0.0330	2.5183	0.0377	2.5560	0.6733	0.0356	0.7088		3,335.9857	3,335.9857	0.1913		3,340.7689
Total	**1.6467**	**4.2043**	**11.6140**	**0.0344**	**2.5183**	**0.0563**	**2.5745**	**0.6733**	**0.0541**	**0.7274**		**3,627.9150**	**3,627.9150**	**0.1970**	**5.3500e-003**	**3,634.4343**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Energy	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429
Mobile	1.0148	3.9610	11.3997	0.0330	2.5183	0.0377	2.5560	0.6733	0.0356	0.7088		3,335.9857	3,335.9857	0.1913		3,340.7689
Total	**1.6467**	**4.2043**	**11.6140**	**0.0344**	**2.5183**	**0.0563**	**2.5745**	**0.6733**	**0.0541**	**0.7274**		**3,627.9150**	**3,627.9150**	**0.1970**	**5.3500e-003**	**3,634.4343**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2017	6/14/2017	5	10	
2	Site Preparation	Site Preparation	6/15/2017	6/15/2017	5	1	
3	Grading	Grading	6/16/2017	6/19/2017	5	2	
4	Building Construction	Building Construction	6/20/2017	11/6/2017	5	100	
5	Paving	Paving	11/7/2017	11/13/2017	5	5	
6	Architectural Coating	Architectural Coating	11/14/2017	11/20/2017	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,229; Non-Residential Outdoor: 12,410; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	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	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	356.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	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

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

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

Fugitive Dust					1.9933	0.0000	1.9933	0.3019	0.0000	0.3019			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**1.9933**	**0.7318**	**2.7250**	**0.3019**	**0.6978**	**0.9996**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0347	0.3860	9.3000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		92.3112	92.3112	3.4300e-003		92.3969
Total	**0.0470**	**0.0347**	**0.3860**	**9.3000e-004**	**0.0822**	**6.0000e-004**	**0.0828**	**0.0218**	**5.6000e-004**	**0.0224**		**92.3112**	**92.3112**	**3.4300e-003**		**92.3969**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7774	0.0000	0.7774	0.1177	0.0000	0.1177			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.7774**	**0.7318**	**1.5092**	**0.1177**	**0.6978**	**0.8155**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0347	0.3860	9.3000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		92.3112	92.3112	3.4300e-003		92.3969
Total	**0.0470**	**0.0347**	**0.3860**	**9.3000e-004**	**0.0822**	**6.0000e-004**	**0.0828**	**0.0218**	**5.6000e-004**	**0.0224**		**92.3112**	**92.3112**	**3.4300e-003**		**92.3969**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347		999.5201	999.5201	0.3063		1,007.1764
Total	**0.8524**	**10.5148**	**4.3533**	**9.7700e-003**	**0.5303**	**0.4726**	**1.0028**	**0.0573**	**0.4347**	**0.4920**		**999.5201**	**999.5201**	**0.3063**		**1,007.1764**

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0173	0.1930	4.6000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		46.1556	46.1556	1.7100e-003		46.1984
Total	**0.0235**	**0.0173**	**0.1930**	**4.6000e-004**	**0.0411**	**3.0000e-004**	**0.0414**	**0.0109**	**2.8000e-004**	**0.0112**		**46.1556**	**46.1556**	**1.7100e-003**		**46.1984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347	0.0000	999.5201	999.5201	0.3063		1,007.1764
Total	**0.8524**	**10.5148**	**4.3533**	**9.7700e-003**	**0.2068**	**0.4726**	**0.6794**	**0.0223**	**0.4347**	**0.4571**	**0.0000**	**999.5201**	**999.5201**	**0.3063**		**1,007.1764**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0173	0.1930	4.6000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		46.1556	46.1556	1.7100e-003		46.1984

Total	**0.0235**	**0.0173**	**0.1930**	**4.6000e-004**	**0.0411**	**3.0000e-004**	**0.0414**	**0.0109**	**2.8000e-004**	**0.0112**		**46.1556**	**46.1556**	**1.7100e-003**		**46.1984**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9530	0.0000	0.9530	0.4441	0.0000	0.4441			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.9530**	**0.7318**	**1.6848**	**0.4441**	**0.6978**	**1.1419**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9172	61.6708	12.4054	0.1448	3.1105	0.3479	3.4583	0.8525	0.3328	1.1853		15,701.3384	15,701.3384	1.3945		15,736.1998
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0347	0.3860	9.3000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		92.3112	92.3112	3.4300e-003		92.3969
Total	**1.9642**	**61.7055**	**12.7914**	**0.1458**	**3.1926**	**0.3485**	**3.5411**	**0.8742**	**0.3334**	**1.2076**		**15,793.6496**	**15,793.6496**	**1.3979**		**15,828.5967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3717	0.0000	0.3717	0.1732	0.0000	0.1732			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.3717**	**0.7318**	**1.1034**	**0.1732**	**0.6978**	**0.8710**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9172	61.6708	12.4054	0.1448	3.1105	0.3479	3.4583	0.8525	0.3328	1.1853		15,701.3384	15,701.3384	1.3945		15,736.1998
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0347	0.3860	9.3000e-004	0.0822	6.0000e-004	0.0828	0.0218	5.6000e-004	0.0224		92.3112	92.3112	3.4300e-003		92.3969
Total	**1.9642**	**61.7055**	**12.7914**	**0.1458**	**3.1926**	**0.3485**	**3.5411**	**0.8742**	**0.3334**	**1.2076**		**15,793.6496**	**15,793.6496**	**1.3979**		**15,828.5967**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

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

Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**		**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0298	0.7058	0.1937	1.4000e-003	0.0339	6.5800e-003	0.0404	9.7400e-003	6.2900e-003	0.0160		149.5515	149.5515	0.0124		149.8608
Worker	0.0611	0.0451	0.5018	1.2100e-003	0.1068	7.9000e-004	0.1076	0.0283	7.3000e-004	0.0291		120.0046	120.0046	4.4500e-003		120.1159
Total	**0.0909**	**0.7509**	**0.6955**	**2.6100e-003**	**0.1406**	**7.3700e-003**	**0.1480**	**0.0381**	**7.0200e-003**	**0.0451**		**269.5561**	**269.5561**	**0.0168**		**269.9767**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**	**0.0000**	**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0298	0.7058	0.1937	1.4000e-003	0.0339	6.5800e-003	0.0404	9.7400e-003	6.2900e-003	0.0160		149.5515	149.5515	0.0124		149.8608
Worker	0.0611	0.0451	0.5018	1.2100e-003	0.1068	7.9000e-004	0.1076	0.0283	7.3000e-004	0.0291		120.0046	120.0046	4.4500e-003		120.1159
Total	**0.0909**	**0.7509**	**0.6955**	**2.6100e-003**	**0.1406**	**7.3700e-003**	**0.1480**	**0.0381**	**7.0200e-003**	**0.0451**		**269.5561**	**269.5561**	**0.0168**		**269.9767**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636		1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1266**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**		**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0846	0.0624	0.6948	1.6700e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		166.1602	166.1602	6.1700e-003		166.3144
Total	**0.0846**	**0.0624**	**0.6948**	**1.6700e-003**	**0.1479**	**1.0900e-003**	**0.1490**	**0.0392**	**1.0100e-003**	**0.0402**		**166.1602**	**166.1602**	**6.1700e-003**		**166.3144**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636	0.0000	1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1266**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**	**0.0000**	**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0846	0.0624	0.6948	1.6700e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		166.1602	166.1602	6.1700e-003		166.3144

Total	**0.0846**	**0.0624**	**0.6948**	**1.6700e-003**	**0.1479**	**1.0900e-003**	**0.1490**	**0.0392**	**1.0100e-003**	**0.0402**		**166.1602**	**166.1602**	**6.1700e-003**		**166.3144**

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**52.6003**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0141	0.0104	0.1158	2.8000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7000e-003		27.6934	27.6934	1.0300e-003		27.7191
Total	**0.0141**	**0.0104**	**0.1158**	**2.8000e-004**	**0.0246**	**1.8000e-004**	**0.0248**	**6.5400e-003**	**1.7000e-004**	**6.7000e-003**		**27.6934**	**27.6934**	**1.0300e-003**		**27.7191**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**52.6003**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0141	0.0104	0.1158	2.8000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.7000e-004	6.7000e-003		27.6934	27.6934	1.0300e-003		27.7191
Total	**0.0141**	**0.0104**	**0.1158**	**2.8000e-004**	**0.0246**	**1.8000e-004**	**0.0248**	**6.5400e-003**	**1.7000e-004**	**6.7000e-003**		**27.6934**	**27.6934**	**1.0300e-003**		**27.7191**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0148	3.9610	11.3997	0.0330	2.5183	0.0377	2.5560	0.6733	0.0356	0.7088		3,335.9857	3,335.9857	0.1913		3,340.7689
Unmitigated	1.0148	3.9610	11.3997	0.0330	2.5183	0.0377	2.5560	0.6733	0.0356	0.7088		3,335.9857	3,335.9857	0.1913		3,340.7689

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	334.83	136.78	14.74	662,333	662,333
Other Asphalt Surfaces	0.00	0.00	0.00		
University/College (4Yr)	133.38	101.40	0.00	277,206	277,206
Total	468.21	238.18	14.74	939,539	939,539

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
University/College (4Yr)	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Other Asphalt Surfaces	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429
NaturalGas Unmitigated	0.0268	0.2433	0.2043	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.9082	291.9082	5.5900e-003	5.3500e-003	293.6429

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1217.77	0.0131	0.1194	0.1003	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.2666	143.2666	2.7500e-003	2.6300e-003	144.1180
Other Asphalt Surfaces	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
University/College (4Yr)	1263.45	0.0136	0.1239	0.1041	7.4000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003		148.6416	148.6416	2.8500e-003	2.7300e-003	149.5249
Total		**0.0268**	**0.2433**	**0.2043**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.9082**	**291.9082**	**5.6000e-003**	**5.3600e-003**	**293.6429**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.21777	0.0131	0.1194	0.1003	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.2666	143.2666	2.7500e-003	2.6300e-003	144.1180
Other Asphalt Surfaces	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
University/College (4Yr)	1.26345	0.0136	0.1239	0.1041	7.4000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003		148.6416	148.6416	2.8500e-003	2.7300e-003	149.5249
Total		**0.0268**	**0.2433**	**0.2043**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.9082**	**291.9082**	**5.6000e-003**	**5.3600e-003**	**293.6429**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Unmitigated	0.6051	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5000e-004	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Total	**0.6051**	**9.0000e-005**	**9.9600e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0211**	**0.0211**	**6.0000e-005**		**0.0225**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5000e-004	9.0000e-005	9.9600e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0211	0.0211	6.0000e-005		0.0225
Total	**0.6051**	**9.0000e-005**	**9.9600e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0211**	**0.0211**	**6.0000e-005**		**0.0225**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Tula Pavilion and Tenochca Community Space Project

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	12.18	1000sqft	0.28	12,181.00	0
University/College (4Yr)	78.00	Student	0.33	12,638.00	78
Other Asphalt Surfaces	6.00	1000sqft	0.14	6,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2018
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anticipated construction start date July 2017. Anticipated operational start date: September 2018

Land Use - Tula Pavilion - 12,181 sqft of Interior space and 6,000 sqft of exterior space. Tenocha Community Space - 12,638 sqft and would support/house 78 students.

Off-road Equipment - CalEEMod defaults assumed.

Trips and VMT - Worker Trips rounded to even values to account for 2 way trips.

Demolition - Approximately 20,000 sqft of demolition

Grading - 2,850 CY of backfill required to construct both buildings.

Architectural Coating - In compliance with Rule 67.0 Architectural Coatings, Interior coating VOC restricted to 100 grams per liter and exterior coating VOCs restricted to 150 grams per liter.

Vehicle Trips - CalEEMod defaults assumed.

Area Coating - In compliance with Rule 67.0 Architectural Coatings, Interior coating VOC restricted to 100 grams per liter and exterior coating VOCs restricted to 150 grams per liter.

Water And Wastewater - 100% Aerobic

Construction Off-road Equipment Mitigation - None

Water Mitigation - Apply Water Conservation Strategy: 25% reduction. Water Reduction consistent with Executive Order B-29-15

Waste Mitigation - Apply Waste Reduction measures: 75% reduction consistent with AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblGrading	MaterialImported	0.00	2,850.00
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,181.00
tblLandUse	BuildingSpaceSquareFeet	14,336.20	12,638.00
tblLandUse	LandUseSquareFeet	12,180.00	12,181.00
tblLandUse	LandUseSquareFeet	14,336.20	12,638.00
tblLandUse	Population	0.00	78.00
tblTripsAndVMT	HaulingTripNumber	91.00	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.2131	0.8383	0.5273	9.6000e-004	0.0220	0.0503	0.0723	4.9300e-003	0.0465	0.0514	0.0000	89.7946	89.7946	0.0205	0.0000	90.3058
Maximum	**0.2131**	**0.8383**	**0.5273**	**9.6000e-004**	**0.0220**	**0.0503**	**0.0723**	**4.9300e-003**	**0.0465**	**0.0514**	**0.0000**	**89.7946**	**89.7946**	**0.0205**	**0.0000**	**90.3058**

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					
2017	0.2131	0.8383	0.5273	9.6000e-004	0.0152	0.0503	0.0655	3.7200e-003	0.0465	0.0502	0.0000	89.7945	89.7945	0.0205	0.0000	90.3058
Maximum	**0.2131**	**0.8383**	**0.5273**	**9.6000e-004**	**0.0152**	**0.0503**	**0.0655**	**3.7200e-003**	**0.0465**	**0.0502**	**0.0000**	**89.7945**	**89.7945**	**0.0205**	**0.0000**	**90.3058**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**30.97**	**0.00**	**9.43**	**24.54**	**0.00**	**2.35**	**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	**6-1-2017**	**8-31-2017**	0.5587	0.5587
2	**9-1-2017**	**9-30-2017**	0.1594	0.1594
		Highest	0.5587	0.5587

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	0.1104	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Energy	4.8800e-003	0.0444	0.0373	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	122.2205	122.2205	3.9000e-003	1.5000e-003	122.7654
Mobile	0.1390	0.5906	1.6101	4.5400e-003	0.3542	5.4500e-003	0.3597	0.0949	5.1300e-003	0.1000	0.0000	417.0227	417.0227	0.0249	0.0000	417.6440
Waste						0.0000	0.0000		0.0000	0.0000	6.1019	0.0000	6.1019	0.3606	0.0000	15.1172
Water						0.0000	0.0000		0.0000	0.0000	0.2705	7.5941	7.8645	1.2400e-003	6.5000e-004	8.0896
Total	**0.2542**	**0.6350**	**1.6482**	**4.8100e-003**	**0.3542**	**8.8200e-003**	**0.3630**	**0.0949**	**8.5000e-003**	**0.1034**	**6.3724**	**546.8390**	**553.2113**	**0.3906**	**2.1500e-003**	**563.6181**

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	0.1104	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Energy	4.8800e-003	0.0444	0.0373	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	122.2205	122.2205	3.9000e-003	1.5000e-003	122.7654
Mobile	0.1390	0.5906	1.6101	4.5400e-003	0.3542	5.4500e-003	0.3597	0.0949	5.1300e-003	0.1000	0.0000	417.0227	417.0227	0.0249	0.0000	417.6440
Waste						0.0000	0.0000		0.0000	0.0000	6.1019	0.0000	6.1019	0.3606	0.0000	15.1172
Water						0.0000	0.0000		0.0000	0.0000	0.2028	5.6956	5.8984	9.3000e-004	4.9000e-004	6.0672
Total	**0.2542**	**0.6350**	**1.6482**	**4.8100e-003**	**0.3542**	**8.8200e-003**	**0.3630**	**0.0949**	**8.5000e-003**	**0.1034**	**6.3048**	**544.9404**	**551.2452**	**0.3903**	**1.9900e-003**	**561.5957**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.06**	**0.35**	**0.36**	**0.08**	**7.44**	**0.36**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2017	6/14/2017	5	10	
2	Site Preparation	Site Preparation	6/15/2017	6/15/2017	5	1	
3	Grading	Grading	6/16/2017	6/19/2017	5	2	
4	Building Construction	Building Construction	6/20/2017	11/6/2017	5	100	
5	Paving	Paving	11/7/2017	11/13/2017	5	5	
6	Architectural Coating	Architectural Coating	11/14/2017	11/20/2017	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,229; Non-Residential Outdoor: 12,410; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	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	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	356.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	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

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2017

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					9.9700e-003	0.0000	9.9700e-003	1.5100e-003	0.0000	1.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3493	5.3493	1.0500e-003	0.0000	5.3755
Total	**6.0500e-003**	**0.0525**	**0.0396**	**6.0000e-005**	**9.9700e-003**	**3.6600e-003**	**0.0136**	**1.5100e-003**	**3.4900e-003**	**5.0000e-003**	**0.0000**	**5.3493**	**5.3493**	**1.0500e-003**	**0.0000**	**5.3755**

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	1.9000e-004	1.8400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3971	0.3971	1.0000e-005	0.0000	0.3974
Total	**2.4000e-004**	**1.9000e-004**	**1.8400e-003**	**0.0000**	**4.0000e-004**	**0.0000**	**4.0000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3971**	**0.3971**	**1.0000e-005**	**0.0000**	**0.3974**

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					3.8900e-003	0.0000	3.8900e-003	5.9000e-004	0.0000	5.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3492	5.3492	1.0500e-003	0.0000	5.3755
Total	**6.0500e-003**	**0.0525**	**0.0396**	**6.0000e-005**	**3.8900e-003**	**3.6600e-003**	**7.5500e-003**	**5.9000e-004**	**3.4900e-003**	**4.0800e-003**	**0.0000**	**5.3492**	**5.3492**	**1.0500e-003**	**0.0000**	**5.3755**

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	1.9000e-004	1.8400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3971	0.3971	1.0000e-005	0.0000	0.3974
Total	**2.4000e-004**	**1.9000e-004**	**1.8400e-003**	**0.0000**	**4.0000e-004**	**0.0000**	**4.0000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3971**	**0.3971**	**1.0000e-005**	**0.0000**	**0.3974**

3.3 Site Preparation - 2017

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	4.3000e-004	5.2600e-003	2.1800e-003	0.0000		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569
Total	**4.3000e-004**	**5.2600e-003**	**2.1800e-003**	**0.0000**	**2.7000e-004**	**2.4000e-004**	**5.1000e-004**	**3.0000e-005**	**2.2000e-004**	**2.5000e-004**	**0.0000**	**0.4534**	**0.4534**	**1.4000e-004**	**0.0000**	**0.4569**

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	9.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0199	0.0199	0.0000	0.0000	0.0199
Total	**1.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0199**	**0.0199**	**0.0000**	**0.0000**	**0.0199**

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					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	5.2600e-003	2.1800e-003	0.0000		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569
Total	**4.3000e-004**	**5.2600e-003**	**2.1800e-003**	**0.0000**	**1.0000e-004**	**2.4000e-004**	**3.4000e-004**	**1.0000e-005**	**2.2000e-004**	**2.3000e-004**	**0.0000**	**0.4534**	**0.4534**	**1.4000e-004**	**0.0000**	**0.4569**

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	9.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0199	0.0199	0.0000	0.0000	0.0199
Total	**1.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0199**	**0.0199**	**0.0000**	**0.0000**	**0.0199**

3.4 Grading - 2017

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					9.5000e-004	0.0000	9.5000e-004	4.4000e-004	0.0000	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	0.0105	7.9200e-003	1.0000e-005		7.3000e-004	7.3000e-004		7.0000e-004	7.0000e-004	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751
Total	**1.2100e-003**	**0.0105**	**7.9200e-003**	**1.0000e-005**	**9.5000e-004**	**7.3000e-004**	**1.6800e-003**	**4.4000e-004**	**7.0000e-004**	**1.1400e-003**	**0.0000**	**1.0699**	**1.0699**	**2.1000e-004**	**0.0000**	**1.0751**

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	1.9400e-003	0.0630	0.0128	1.4000e-004	3.0500e-003	3.5000e-004	3.4000e-003	8.4000e-004	3.4000e-004	1.1700e-003	0.0000	14.1486	14.1486	1.2900e-003	0.0000	14.1807
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	5.0000e-005	4.0000e-005	3.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0794	0.0794	0.0000	0.0000	0.0795
Total	**1.9900e-003**	**0.0630**	**0.0132**	**1.4000e-004**	**3.1300e-003**	**3.5000e-004**	**3.4800e-003**	**8.6000e-004**	**3.4000e-004**	**1.1900e-003**	**0.0000**	**14.2280**	**14.2280**	**1.2900e-003**	**0.0000**	**14.2602**

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					3.7000e-004	0.0000	3.7000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	0.0105	7.9200e-003	1.0000e-005		7.3000e-004	7.3000e-004		7.0000e-004	7.0000e-004	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751
Total	**1.2100e-003**	**0.0105**	**7.9200e-003**	**1.0000e-005**	**3.7000e-004**	**7.3000e-004**	**1.1000e-003**	**1.7000e-004**	**7.0000e-004**	**8.7000e-004**	**0.0000**	**1.0699**	**1.0699**	**2.1000e-004**	**0.0000**	**1.0751**

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	1.9400e-003	0.0630	0.0128	1.4000e-004	3.0500e-003	3.5000e-004	3.4000e-003	8.4000e-004	3.4000e-004	1.1700e-003	0.0000	14.1486	14.1486	1.2900e-003	0.0000	14.1807
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	5.0000e-005	4.0000e-005	3.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0794	0.0794	0.0000	0.0000	0.0795
Total	**1.9900e-003**	**0.0630**	**0.0132**	**1.4000e-004**	**3.1300e-003**	**3.5000e-004**	**3.4800e-003**	**8.6000e-004**	**3.4000e-004**	**1.1900e-003**	**0.0000**	**14.2280**	**14.2280**	**1.2900e-003**	**0.0000**	**14.2602**

3.5 Building Construction - 2017

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	0.0641	0.6380	0.4035	5.7000e-004		0.0430	0.0430		0.0395	0.0395	0.0000	52.8851	52.8851	0.0162	0.0000	53.2902
Total	**0.0641**	**0.6380**	**0.4035**	**5.7000e-004**		**0.0430**	**0.0430**		**0.0395**	**0.0395**	**0.0000**	**52.8851**	**52.8851**	**0.0162**	**0.0000**	**53.2902**

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	1.5100e-003	0.0358	0.0102	7.0000e-005	1.6600e-003	3.3000e-004	1.9900e-003	4.8000e-004	3.2000e-004	8.0000e-004	0.0000	6.7143	6.7143	5.8000e-004	0.0000	6.7287
Worker	3.0700e-003	2.4900e-003	0.0239	6.0000e-005	5.2100e-003	4.0000e-005	5.2500e-003	1.3900e-003	4.0000e-005	1.4200e-003	0.0000	5.1617	5.1617	1.9000e-004	0.0000	5.1666
Total	**4.5800e-003**	**0.0383**	**0.0341**	**1.3000e-004**	**6.8700e-003**	**3.7000e-004**	**7.2400e-003**	**1.8700e-003**	**3.6000e-004**	**2.2200e-003**	**0.0000**	**11.8760**	**11.8760**	**7.7000e-004**	**0.0000**	**11.8953**

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	0.0641	0.6380	0.4035	5.7000e-004		0.0430	0.0430		0.0395	0.0395	0.0000	52.8850	52.8850	0.0162	0.0000	53.2901
Total	**0.0641**	**0.6380**	**0.4035**	**5.7000e-004**		**0.0430**	**0.0430**		**0.0395**	**0.0395**	**0.0000**	**52.8850**	**52.8850**	**0.0162**	**0.0000**	**53.2901**

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	1.5100e-003	0.0358	0.0102	7.0000e-005	1.6600e-003	3.3000e-004	1.9900e-003	4.8000e-004	3.2000e-004	8.0000e-004	0.0000	6.7143	6.7143	5.8000e-004	0.0000	6.7287
Worker	3.0700e-003	2.4900e-003	0.0239	6.0000e-005	5.2100e-003	4.0000e-005	5.2500e-003	1.3900e-003	4.0000e-005	1.4200e-003	0.0000	5.1617	5.1617	1.9000e-004	0.0000	5.1666
Total	**4.5800e-003**	**0.0383**	**0.0341**	**1.3000e-004**	**6.8700e-003**	**3.7000e-004**	**7.2400e-003**	**1.8700e-003**	**3.6000e-004**	**2.2200e-003**	**0.0000**	**11.8760**	**11.8760**	**7.7000e-004**	**0.0000**	**11.8953**

3.6 Paving - 2017

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	2.6300e-003	0.0249	0.0184	3.0000e-005		1.5200e-003	1.5200e-003		1.4100e-003	1.4100e-003	0.0000	2.4610	2.4610	6.8000e-004	0.0000	2.4781

Paving	1.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8100e-003**	**0.0249**	**0.0184**	**3.0000e-005**		**1.5200e-003**	**1.5200e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**2.4610**	**2.4610**	**6.8000e-004**	**0.0000**	**2.4781**

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	2.1000e-004	1.7000e-004	1.6500e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3574	0.3574	1.0000e-005	0.0000	0.3577
Total	**2.1000e-004**	**1.7000e-004**	**1.6500e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3574**	**0.3574**	**1.0000e-005**	**0.0000**	**0.3577**

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	2.6300e-003	0.0249	0.0184	3.0000e-005		1.5200e-003	1.5200e-003		1.4100e-003	1.4100e-003	0.0000	2.4610	2.4610	6.8000e-004	0.0000	2.4781
Paving	1.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8100e-003**	**0.0249**	**0.0184**	**3.0000e-005**		**1.5200e-003**	**1.5200e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**2.4610**	**2.4610**	**6.8000e-004**	**0.0000**	**2.4781**

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	2.1000e-004	1.7000e-004	1.6500e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3574	0.3574	1.0000e-005	0.0000	0.3577
Total	**2.1000e-004**	**1.7000e-004**	**1.6500e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3574**	**0.3574**	**1.0000e-005**	**0.0000**	**0.3577**

3.7 Architectural Coating - 2017

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	0.1307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	5.4600e-003	4.6700e-003	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6400
Total	**0.1315**	**5.4600e-003**	**4.6700e-003**	**1.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**	**0.0000**	**0.6383**	**0.6383**	**7.0000e-005**	**0.0000**	**0.6400**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	2.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0596	0.0596	0.0000	0.0000	0.0596
Total	**4.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0596**	**0.0596**	**0.0000**	**0.0000**	**0.0596**

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	0.1307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	5.4600e-003	4.6700e-003	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6400
Total	**0.1315**	**5.4600e-003**	**4.6700e-003**	**1.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**	**0.0000**	**0.6383**	**0.6383**	**7.0000e-005**	**0.0000**	**0.6400**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	2.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0596	0.0596	0.0000	0.0000	0.0596
Total	**4.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0596**	**0.0596**	**0.0000**	**0.0000**	**0.0596**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1390	0.5906	1.6101	4.5400e-003	0.3542	5.4500e-003	0.3597	0.0949	5.1300e-003	0.1000	0.0000	417.0227	417.0227	0.0249	0.0000	417.6440
Unmitigated	0.1390	0.5906	1.6101	4.5400e-003	0.3542	5.4500e-003	0.3597	0.0949	5.1300e-003	0.1000	0.0000	417.0227	417.0227	0.0249	0.0000	417.6440

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	334.83	136.78	14.74	662,333	662,333
Other Asphalt Surfaces	0.00	0.00	0.00		
University/College (4Yr)	133.38	101.40	0.00	277,206	277,206
Total	468.21	238.18	14.74	939,539	939,539

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
University/College (4Yr)	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Other Asphalt Surfaces	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

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	73.8918	73.8918	2.9700e-003	6.2000e-004	74.1496
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	73.8918	73.8918	2.9700e-003	6.2000e-004	74.1496
NaturalGas Mitigated	4.8800e-003	0.0444	0.0373	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	48.3287	48.3287	9.3000e-004	8.9000e-004	48.6159
NaturalGas Unmitigated	4.8800e-003	0.0444	0.0373	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	48.3287	48.3287	9.3000e-004	8.9000e-004	48.6159

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					
Junior College (2Yr)	444485	2.4000e-003	0.0218	0.0183	1.3000e-004		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	23.7194	23.7194	4.5000e-004	4.3000e-004	23.8604

Other Asphalt Surfaces	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
University/College (4Yr)	461161	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6093	24.6093	4.7000e-004	4.5000e-004	24.7555
Total		**4.8900e-003**	**0.0444**	**0.0373**	**2.7000e-004**		**3.3800e-003**	**3.3800e-003**		**3.3800e-003**	**3.3800e-003**	**0.0000**	**48.3287**	**48.3287**	**9.2000e-004**	**8.8000e-004**	**48.6159**

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					
Junior College (2Yr)	444485	2.4000e-003	0.0218	0.0183	1.3000e-004		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	23.7194	23.7194	4.5000e-004	4.3000e-004	23.8604
Other Asphalt Surfaces	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
University/College (4Yr)	461161	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6093	24.6093	4.7000e-004	4.5000e-004	24.7555
Total		**4.8900e-003**	**0.0444**	**0.0373**	**2.7000e-004**		**3.3800e-003**	**3.3800e-003**		**3.3800e-003**	**3.3800e-003**	**0.0000**	**48.3287**	**48.3287**	**9.2000e-004**	**8.8000e-004**	**48.6159**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	110969	36.2656	1.4600e-003	3.0000e-004	36.3921
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	115132	37.6262	1.5100e-003	3.1000e-004	37.7574
Total		**73.8918**	**2.9700e-003**	**6.1000e-004**	**74.1495**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	110969	36.2656	1.4600e-003	3.0000e-004	36.3921
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	115132	37.6262	1.5100e-003	3.1000e-004	37.7574
Total		**73.8918**	**2.9700e-003**	**6.1000e-004**	**74.1495**

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	0.1104	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Unmitigated	0.1104	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Total	**0.1104**	**1.0000e-005**	**9.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.7200e-003**	**1.7200e-003**	**0.0000**	**0.0000**	**1.8400e-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	0.0129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Total	**0.1104**	**1.0000e-005**	**9.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.7200e-003**	**1.7200e-003**	**0.0000**	**0.0000**	**1.8400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.8984	9.3000e-004	4.9000e-004	6.0672
Unmitigated	7.8645	1.2400e-003	6.5000e-004	8.0896

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.597417 / 0.934422	6.1463	9.7000e-004	5.1000e-004	6.3222
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	0.167006 / 0.261214	1.7182	2.7000e-004	1.4000e-004	1.7674
Total		**7.8645**	**1.2400e-003**	**6.5000e-004**	**8.0896**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.448063 / 0.700816	4.6098	7.2000e-004	3.8000e-004	4.7417
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	0.125254 / 0.195911	1.2886	2.0000e-004	1.1000e-004	1.3255
Total		**5.8984**	**9.2000e-004**	**4.9000e-004**	**6.0672**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.1019	0.3606	0.0000	15.1172
Unmitigated	6.1019	0.3606	0.0000	15.1172

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Junior College (2Yr)	15.83	3.2134	0.1899	0.0000	7.9609
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	14.23	2.8886	0.1707	0.0000	7.1563
Total		**6.1019**	**0.3606**	**0.0000**	**15.1172**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	15.83	3.2134	0.1899	0.0000	7.9609
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	14.23	2.8886	0.1707	0.0000	7.1563
Total		**6.1019**	**0.3606**	**0.0000**	**15.1172**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Setting - Tula Community Center

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	6.00	1000sqft	0.14	5,904.00	0
University/College (4Yr)	76.00	Student	0.32	13,968.61	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2005
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumed operational start date of 2005

Land Use - Tula Community Center square footage = 19,872 = approx 13,968 square feet of 4Yr + approx 5904 square feet of 2Yr space

Energy Use - Historical Title 24 requirements assumed.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Parking	250	0
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,904.00
tblLandUse	LandUseSquareFeet	6,000.00	5,904.00
tblProjectCharacteristics	OperationalYear	2018	2005

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2004	93.0314	23.8741	13.1993	0.1459	0.8349	1.8238	2.5791	0.4356	1.8220	2.1795	0.0000	1,489.9897	1,489.9897	0.3560	0.0000	1,498.8901
Maximum	**93.0314**	**23.8741**	**13.1993**	**0.1459**	**0.8349**	**1.8238**	**2.5791**	**0.4356**	**1.8220**	**2.1795**	**0.0000**	**1,489.9897**	**1,489.9897**	**0.3560**	**0.0000**	**1,498.8901**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2004	93.0314	23.8741	13.1993	0.1459	0.8349	1.8238	2.5791	0.4356	1.8220	2.1795	0.0000	1,489.9897	1,489.9897	0.3560	0.0000	1,498.8901
Maximum	**93.0314**	**23.8741**	**13.1993**	**0.1459**	**0.8349**	**1.8238**	**2.5791**	**0.4356**	**1.8220**	**2.1795**	**0.0000**	**1,489.9897**	**1,489.9897**	**0.3560**	**0.0000**	**1,498.8901**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Energy	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910
Mobile	1.9825	6.4499	23.8246	0.0507	1.5864	0.1399	1.7263	0.4244	0.1329	0.5574		2,298.3420	2,298.3420	0.2688		2,305.0631
Total	**2.5595**	**6.6702**	**24.0202**	**0.0520**	**1.5864**	**0.1567**	**1.7431**	**0.4244**	**0.1497**	**0.5741**		**2,562.5808**	**2,562.5808**	**0.2740**	**4.8400e-003**	**2,570.8741**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Energy	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910
Mobile	1.9825	6.4499	23.8246	0.0507	1.5864	0.1399	1.7263	0.4244	0.1329	0.5574		2,298.3420	2,298.3420	0.2688		2,305.0631
Total	**2.5595**	**6.6702**	**24.0202**	**0.0520**	**1.5864**	**0.1567**	**1.7431**	**0.4244**	**0.1497**	**0.5741**		**2,562.5808**	**2,562.5808**	**0.2740**	**4.8400e-003**	**2,570.8741**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2004	1/14/2004	5	10	
2	Site Preparation	Site Preparation	1/15/2004	1/15/2004	5	1	
3	Grading	Grading	1/16/2004	1/19/2004	5	2	
4	Building Construction	Building Construction	1/20/2004	6/7/2004	5	100	
5	Paving	Paving	6/8/2004	6/14/2004	5	5	
6	Architectural Coating	Architectural Coating	6/15/2004	6/21/2004	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,809; Non-Residential Outdoor: 9,936; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	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
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408		1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**		**1.7408**	**1.7408**		**1.7408**	**1.7408**		**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2262	0.2636	2.1784	1.5100e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		98.9145	98.9145	0.0154		99.2984
Total	**0.2262**	**0.2636**	**2.1784**	**1.5100e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**98.9145**	**98.9145**	**0.0154**		**99.2984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408	0.0000	1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**		**1.7408**	**1.7408**		**1.7408**	**1.7408**	**0.0000**	**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2262	0.2636	2.1784	1.5100e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		98.9145	98.9145	0.0154		99.2984
Total	**0.2262**	**0.2636**	**2.1784**	**1.5100e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**98.9145**	**98.9145**	**0.0154**		**99.2984**

3.3 Site Preparation - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.5349	18.7202	6.9250	0.1151		1.1366	1.1366		1.1366	1.1366		1,128.1977	1,128.1977	0.2272		1,133.8779
Total	**2.5349**	**18.7202**	**6.9250**	**0.1151**	**0.5303**	**1.1366**	**1.6668**	**0.0573**	**1.1366**	**1.1938**		**1,128.1977**	**1,128.1977**	**0.2272**		**1,133.8779**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1131	0.1318	1.0892	7.6000e-004	0.0411	1.6500e-003	0.0427	0.0109	1.5300e-003	0.0124		49.4572	49.4572	7.6800e-003		49.6492

Total	**0.1131**	**0.1318**	**1.0892**	**7.6000e-004**	**0.0411**	**1.6500e-003**	**0.0427**	**0.0109**	**1.5300e-003**	**0.0124**		**49.4572**	**49.4572**	**7.6800e-003**		**49.6492**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.5349	18.7202	6.9250	0.1151		1.1366	1.1366		1.1366	1.1366	0.0000	1,128.1977	1,128.1977	0.2272		1,133.8779
Total	**2.5349**	**18.7202**	**6.9250**	**0.1151**	**0.5303**	**1.1366**	**1.6668**	**0.0573**	**1.1366**	**1.1938**	**0.0000**	**1,128.1977**	**1,128.1977**	**0.2272**		**1,133.8779**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1131	0.1318	1.0892	7.6000e-004	0.0411	1.6500e-003	0.0427	0.0109	1.5300e-003	0.0124		49.4572	49.4572	7.6800e-003		49.6492
Total	**0.1131**	**0.1318**	**1.0892**	**7.6000e-004**	**0.0411**	**1.6500e-003**	**0.0427**	**0.0109**	**1.5300e-003**	**0.0124**		**49.4572**	**49.4572**	**7.6800e-003**		**49.6492**

3.4 Grading - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408		1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**	**0.7528**	**1.7408**	**2.4936**	**0.4138**	**1.7408**	**2.1546**		**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2262	0.2636	2.1784	1.5100e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		98.9145	98.9145	0.0154		99.2984
Total	**0.2262**	**0.2636**	**2.1784**	**1.5100e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**98.9145**	**98.9145**	**0.0154**		**99.2984**

Mitigated Construction On-Site

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

Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408	0.0000	1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**	**0.7528**	**1.7408**	**2.4936**	**0.4138**	**1.7408**	**2.1546**	**0.0000**	**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2262	0.2636	2.1784	1.5100e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		98.9145	98.9145	0.0154		99.2984
Total	**0.2262**	**0.2636**	**2.1784**	**1.5100e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**98.9145**	**98.9145**	**0.0154**		**99.2984**

3.5 Building Construction - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6919	22.6696	9.6715	0.1374		1.7843	1.7843		1.7843	1.7843		1,322.7958	1,322.7958	0.3311		1,331.0731
Total	**3.6919**	**22.6696**	**9.6715**	**0.1374**		**1.7843**	**1.7843**		**1.7843**	**1.7843**		**1,322.7958**	**1,322.7958**	**0.3311**		**1,331.0731**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1212	0.9936	0.7740	7.2400e-003	0.0203	0.0369	0.0572	5.8400e-003	0.0353	0.0411		88.0623	88.0623	0.0126		88.3783
Worker	0.1810	0.2109	1.7427	1.2100e-003	0.0657	2.6500e-003	0.0684	0.0174	2.4500e-003	0.0199		79.1316	79.1316	0.0123		79.4387
Total	**0.3022**	**1.2045**	**2.5167**	**8.4500e-003**	**0.0860**	**0.0395**	**0.1255**	**0.0233**	**0.0377**	**0.0610**		**167.1939**	**167.1939**	**0.0249**		**167.8170**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6919	22.6696	9.6715	0.1374		1.7843	1.7843		1.7843	1.7843	0.0000	1,322.7958	1,322.7958	0.3311		1,331.0731
Total	**3.6919**	**22.6696**	**9.6715**	**0.1374**		**1.7843**	**1.7843**		**1.7843**	**1.7843**	**0.0000**	**1,322.7958**	**1,322.7958**	**0.3311**		**1,331.0731**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1212	0.9936	0.7740	7.2400e-003	0.0203	0.0369	0.0572	5.8400e-003	0.0353	0.0411		88.0623	88.0623	0.0126		88.3783
Worker	0.1810	0.2109	1.7427	1.2100e-003	0.0657	2.6500e-003	0.0684	0.0174	2.4500e-003	0.0199		79.1316	79.1316	0.0123		79.4387
Total	**0.3022**	**1.2045**	**2.5167**	**8.4500e-003**	**0.0860**	**0.0395**	**0.1255**	**0.0233**	**0.0377**	**0.0610**		**167.1939**	**167.1939**	**0.0249**		**167.8170**

3.6 Paving - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	3.3626	21.2572	9.2783	0.1305		1.5422	1.5422		1.5422	1.5422		1,211.7777	1,211.7777	0.3022		1,219.3328
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.3626**	**21.2572**	**9.2783**	**0.1305**		**1.5422**	**1.5422**		**1.5422**	**1.5422**		**1,211.7777**	**1,211.7777**	**0.3022**		**1,219.3328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4072	0.4745	3.9210	2.7200e-003	0.1479	5.9600e-003	0.1538	0.0392	5.5200e-003	0.0447		178.0461	178.0461	0.0276		178.7371

Total	**0.4072**	**0.4745**	**3.9210**	**2.7200e-003**	**0.1479**	**5.9600e-003**	**0.1538**	**0.0392**	**5.5200e-003**	**0.0447**		**178.0461**	**178.0461**	**0.0276**		**178.7371**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3626	21.2572	9.2783	0.1305		1.5422	1.5422		1.5422	1.5422	0.0000	1,211.7777	1,211.7777	0.3022		1,219.3328
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.3626**	**21.2572**	**9.2783**	**0.1305**		**1.5422**	**1.5422**		**1.5422**	**1.5422**	**0.0000**	**1,211.7777**	**1,211.7777**	**0.3022**		**1,219.3328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4072	0.4745	3.9210	2.7200e-003	0.1479	5.9600e-003	0.1538	0.0392	5.5200e-003	0.0447		178.0461	178.0461	0.0276		178.7371
Total	**0.4072**	**0.4745**	**3.9210**	**2.7200e-003**	**0.1479**	**5.9600e-003**	**0.1538**	**0.0392**	**5.5200e-003**	**0.0447**		**178.0461**	**178.0461**	**0.0276**		**178.7371**

3.7 Architectural Coating - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	92.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8771	5.0892	2.2504	0.0297		0.4135	0.4135		0.4135	0.4135		281.4485	281.4485	0.0787		283.4172
Total	**92.9861**	**5.0892**	**2.2504**	**0.0297**		**0.4135**	**0.4135**		**0.4135**	**0.4135**		**281.4485**	**281.4485**	**0.0787**		**283.4172**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0452	0.0527	0.4357	3.0000e-004	0.0164	6.6000e-004	0.0171	4.3600e-003	6.1000e-004	4.9700e-003		19.7829	19.7829	3.0700e-003		19.8597
Total	**0.0452**	**0.0527**	**0.4357**	**3.0000e-004**	**0.0164**	**6.6000e-004**	**0.0171**	**4.3600e-003**	**6.1000e-004**	**4.9700e-003**		**19.7829**	**19.7829**	**3.0700e-003**		**19.8597**

Mitigated Construction On-Site

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

Archit. Coating	92.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8771	5.0892	2.2504	0.0297		0.4135	0.4135		0.4135	0.4135	0.0000	281.4485	281.4485	0.0787		283.4172
Total	**92.9861**	**5.0892**	**2.2504**	**0.0297**		**0.4135**	**0.4135**		**0.4135**	**0.4135**	**0.0000**	**281.4485**	**281.4485**	**0.0787**		**283.4172**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0452	0.0527	0.4357	3.0000e-004	0.0164	6.6000e-004	0.0171	4.3600e-003	6.1000e-004	4.9700e-003		19.7829	19.7829	3.0700e-003		19.8597
Total	**0.0452**	**0.0527**	**0.4357**	**3.0000e-004**	**0.0164**	**6.6000e-004**	**0.0171**	**4.3600e-003**	**6.1000e-004**	**4.9700e-003**		**19.7829**	**19.7829**	**3.0700e-003**		**19.8597**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9825	6.4499	23.8246	0.0507	1.5864	0.1399	1.7263	0.4244	0.1329	0.5574		2,298.3420	2,298.3420	0.2688		2,305.0631

Unmitigated	1.9825	6.4499	23.8246	0.0507	1.5864	0.1399	1.7263	0.4244	0.1329	0.5574		2,298.3420	2,298.3420	0.2688		2,305.0631

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	164.94	67.38	7.26	326,272	326,272
University/College (4Yr)	129.96	98.80	0.00	270,098	270,098
Total	294.90	166.18	7.26	596,371	596,371

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-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.496962	0.074792	0.199148	0.142251	0.035136	0.005459	0.014026	0.019971	0.001578	0.001508	0.005510	0.000773	0.002884
University/College (4Yr)	0.496962	0.074792	0.199148	0.142251	0.035136	0.005459	0.014026	0.019971	0.001578	0.001508	0.005510	0.000773	0.002884

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

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

Category	lb/day											lb/day				
NaturalGas Mitigated	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910
NaturalGas Unmitigated	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	667.233	7.2000e-003	0.0654	0.0550	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4980	78.4980	1.5000e-003	1.4400e-003	78.9645
University/College (4Yr)	1578.64	0.0170	0.1548	0.1300	9.3000e-004		0.0118	0.0118		0.0118	0.0118		185.7229	185.7229	3.5600e-003	3.4000e-003	186.8265
Total		**0.0242**	**0.2202**	**0.1850**	**1.3200e-003**		**0.0167**	**0.0167**		**0.0167**	**0.0167**		**264.2209**	**264.2209**	**5.0600e-003**	**4.8400e-003**	**265.7910**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.667233	7.2000e-003	0.0654	0.0550	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4980	78.4980	1.5000e-003	1.4400e-003	78.9645
University/College (4Yr)	1.57864	0.0170	0.1548	0.1300	9.3000e-004		0.0118	0.0118		0.0118	0.0118		185.7229	185.7229	3.5600e-003	3.4000e-003	186.8265
Total		**0.0242**	**0.2202**	**0.1850**	**1.3200e-003**		**0.0167**	**0.0167**		**0.0167**	**0.0167**		**264.2209**	**264.2209**	**5.0600e-003**	**4.8400e-003**	**265.7910**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Unmitigated	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1262					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Total	**0.5528**	**1.3000e-004**	**0.0107**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0180**	**0.0180**	**8.0000e-005**		**0.0200**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1262					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Total	**0.5528**	**1.3000e-004**	**0.0107**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0180**	**0.0180**	**8.0000e-005**		**0.0200**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Setting - Tula Community Center

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	6.00	1000sqft	0.14	5,904.00	0
University/College (4Yr)	76.00	Student	0.32	13,968.61	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2005
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumed operational start date of 2005

Land Use - Tula Community Center square footage = 19,872 = approx 13,968 square feet of 4Yr + approx 5904 square feet of 2Yr space

Energy Use - Historical Title 24 requirements assumed

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Parking	250	0
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,904.00
tblLandUse	LandUseSquareFeet	6,000.00	5,904.00
tblProjectCharacteristics	OperationalYear	2018	2005

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2004	93.0270	23.8350	13.2862	0.1461	0.8349	1.8219	2.5791	0.4356	1.8202	2.1795	0.0000	1,496.3229	1,496.3229	0.3554	0.0000	1,505.2071
Maximum	**93.0270**	**23.8350**	**13.2862**	**0.1461**	**0.8349**	**1.8219**	**2.5791**	**0.4356**	**1.8202**	**2.1795**	**0.0000**	**1,496.3229**	**1,496.3229**	**0.3554**	**0.0000**	**1,505.2071**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2004	93.0270	23.8350	13.2862	0.1461	0.8349	1.8219	2.5791	0.4356	1.8202	2.1795	0.0000	1,496.3229	1,496.3229	0.3554	0.0000	1,505.2071
Maximum	**93.0270**	**23.8350**	**13.2862**	**0.1461**	**0.8349**	**1.8219**	**2.5791**	**0.4356**	**1.8202**	**2.1795**	**0.0000**	**1,496.3229**	**1,496.3229**	**0.3554**	**0.0000**	**1,505.2071**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Energy	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910
Mobile	1.9348	6.1429	23.4875	0.0525	1.5864	0.1347	1.7211	0.4244	0.1279	0.5523		2,422.5813	2,422.5813	0.2676		2,429.2707
Total	**2.5119**	**6.3633**	**23.6831**	**0.0538**	**1.5864**	**0.1514**	**1.7378**	**0.4244**	**0.1447**	**0.5691**		**2,686.8201**	**2,686.8201**	**0.2727**	**4.8400e-003**	**2,695.0817**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Energy	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910
Mobile	1.9348	6.1429	23.4875	0.0525	1.5864	0.1347	1.7211	0.4244	0.1279	0.5523		2,422.5813	2,422.5813	0.2676		2,429.2707
Total	**2.5119**	**6.3633**	**23.6831**	**0.0538**	**1.5864**	**0.1514**	**1.7378**	**0.4244**	**0.1447**	**0.5691**		**2,686.8201**	**2,686.8201**	**0.2727**	**4.8400e-003**	**2,695.0817**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2004	1/14/2004	5	10	
2	Site Preparation	Site Preparation	1/15/2004	1/15/2004	5	1	
3	Grading	Grading	1/16/2004	1/19/2004	5	2	
4	Building Construction	Building Construction	1/20/2004	6/7/2004	5	100	
5	Paving	Paving	6/8/2004	6/14/2004	5	5	
6	Architectural Coating	Architectural Coating	6/15/2004	6/21/2004	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,809; Non-Residential Outdoor: 9,936; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	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
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408		1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**		**1.7408**	**1.7408**		**1.7408**	**1.7408**		**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.2339	2.2266	1.6000e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		104.7032	104.7032	0.0157		105.0966
Total	**0.2044**	**0.2339**	**2.2266**	**1.6000e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**104.7032**	**104.7032**	**0.0157**		**105.0966**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408	0.0000	1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**		**1.7408**	**1.7408**		**1.7408**	**1.7408**	**0.0000**	**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.2339	2.2266	1.6000e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		104.7032	104.7032	0.0157		105.0966
Total	**0.2044**	**0.2339**	**2.2266**	**1.6000e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**104.7032**	**104.7032**	**0.0157**		**105.0966**

3.3 Site Preparation - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.5349	18.7202	6.9250	0.1151		1.1366	1.1366		1.1366	1.1366		1,128.1977	1,128.1977	0.2272		1,133.8779
Total	**2.5349**	**18.7202**	**6.9250**	**0.1151**	**0.5303**	**1.1366**	**1.6668**	**0.0573**	**1.1366**	**1.1938**		**1,128.1977**	**1,128.1977**	**0.2272**		**1,133.8779**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.1169	1.1133	8.0000e-004	0.0411	1.6500e-003	0.0427	0.0109	1.5300e-003	0.0124		52.3516	52.3516	7.8700e-003		52.5483

Total	**0.1022**	**0.1169**	**1.1133**	**8.0000e-004**	**0.0411**	**1.6500e-003**	**0.0427**	**0.0109**	**1.5300e-003**	**0.0124**		**52.3516**	**52.3516**	**7.8700e-003**		**52.5483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.5349	18.7202	6.9250	0.1151		1.1366	1.1366		1.1366	1.1366	0.0000	1,128.1977	1,128.1977	0.2272		1,133.8779
Total	**2.5349**	**18.7202**	**6.9250**	**0.1151**	**0.5303**	**1.1366**	**1.6668**	**0.0573**	**1.1366**	**1.1938**	**0.0000**	**1,128.1977**	**1,128.1977**	**0.2272**		**1,133.8779**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.1169	1.1133	8.0000e-004	0.0411	1.6500e-003	0.0427	0.0109	1.5300e-003	0.0124		52.3516	52.3516	7.8700e-003		52.5483
Total	**0.1022**	**0.1169**	**1.1133**	**8.0000e-004**	**0.0411**	**1.6500e-003**	**0.0427**	**0.0109**	**1.5300e-003**	**0.0124**		**52.3516**	**52.3516**	**7.8700e-003**		**52.5483**

3.4 Grading - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408		1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**	**0.7528**	**1.7408**	**2.4936**	**0.4138**	**1.7408**	**2.1546**		**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.2339	2.2266	1.6000e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		104.7032	104.7032	0.0157		105.0966
Total	**0.2044**	**0.2339**	**2.2266**	**1.6000e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**104.7032**	**104.7032**	**0.0157**		**105.0966**

Mitigated Construction On-Site

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

Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	3.6662	21.9317	9.5771	0.1320		1.7408	1.7408		1.7408	1.7408	0.0000	1,256.0421	1,256.0421	0.3290		1,264.2669
Total	**3.6662**	**21.9317**	**9.5771**	**0.1320**	**0.7528**	**1.7408**	**2.4936**	**0.4138**	**1.7408**	**2.1546**	**0.0000**	**1,256.0421**	**1,256.0421**	**0.3290**		**1,264.2669**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.2339	2.2266	1.6000e-003	0.0822	3.3100e-003	0.0855	0.0218	3.0700e-003	0.0249		104.7032	104.7032	0.0157		105.0966
Total	**0.2044**	**0.2339**	**2.2266**	**1.6000e-003**	**0.0822**	**3.3100e-003**	**0.0855**	**0.0218**	**3.0700e-003**	**0.0249**		**104.7032**	**104.7032**	**0.0157**		**105.0966**

3.5 Building Construction - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6919	22.6696	9.6715	0.1374		1.7843	1.7843		1.7843	1.7843		1,322.7958	1,322.7958	0.3311		1,331.0731
Total	**3.6919**	**22.6696**	**9.6715**	**0.1374**		**1.7843**	**1.7843**		**1.7843**	**1.7843**		**1,322.7958**	**1,322.7958**	**0.3311**		**1,331.0731**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1138	0.9783	0.6894	7.3900e-003	0.0203	0.0350	0.0553	5.8400e-003	0.0335	0.0393		89.7646	89.7646	0.0117		90.0567
Worker	0.1635	0.1871	1.7813	1.2800e-003	0.0657	2.6500e-003	0.0684	0.0174	2.4500e-003	0.0199		83.7626	83.7626	0.0126		84.0773
Total	**0.2773**	**1.1654**	**2.4707**	**8.6700e-003**	**0.0860**	**0.0377**	**0.1237**	**0.0233**	**0.0359**	**0.0592**		**173.5271**	**173.5271**	**0.0243**		**174.1340**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6919	22.6696	9.6715	0.1374		1.7843	1.7843		1.7843	1.7843	0.0000	1,322.7958	1,322.7958	0.3311		1,331.0731
Total	**3.6919**	**22.6696**	**9.6715**	**0.1374**		**1.7843**	**1.7843**		**1.7843**	**1.7843**	**0.0000**	**1,322.7958**	**1,322.7958**	**0.3311**		**1,331.0731**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1138	0.9783	0.6894	7.3900e-003	0.0203	0.0350	0.0553	5.8400e-003	0.0335	0.0393		89.7646	89.7646	0.0117		90.0567
Worker	0.1635	0.1871	1.7813	1.2800e-003	0.0657	2.6500e-003	0.0684	0.0174	2.4500e-003	0.0199		83.7626	83.7626	0.0126		84.0773
Total	**0.2773**	**1.1654**	**2.4707**	**8.6700e-003**	**0.0860**	**0.0377**	**0.1237**	**0.0233**	**0.0359**	**0.0592**		**173.5271**	**173.5271**	**0.0243**		**174.1340**

3.6 Paving - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	3.3626	21.2572	9.2783	0.1305		1.5422	1.5422		1.5422	1.5422		1,211.7777	1,211.7777	0.3022		1,219.3328
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.3626**	**21.2572**	**9.2783**	**0.1305**		**1.5422**	**1.5422**		**1.5422**	**1.5422**		**1,211.7777**	**1,211.7777**	**0.3022**		**1,219.3328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3679	0.4210	4.0079	2.8700e-003	0.1479	5.9600e-003	0.1538	0.0392	5.5200e-003	0.0447		188.4658	188.4658	0.0283		189.1739

Total	**0.3679**	**0.4210**	**4.0079**	**2.8700e-003**	**0.1479**	**5.9600e-003**	**0.1538**	**0.0392**	**5.5200e-003**	**0.0447**		**188.4658**	**188.4658**	**0.0283**		**189.1739**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3626	21.2572	9.2783	0.1305		1.5422	1.5422		1.5422	1.5422	0.0000	1,211.7777	1,211.7777	0.3022		1,219.3328
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.3626**	**21.2572**	**9.2783**	**0.1305**		**1.5422**	**1.5422**		**1.5422**	**1.5422**	**0.0000**	**1,211.7777**	**1,211.7777**	**0.3022**		**1,219.3328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3679	0.4210	4.0079	2.8700e-003	0.1479	5.9600e-003	0.1538	0.0392	5.5200e-003	0.0447		188.4658	188.4658	0.0283		189.1739
Total	**0.3679**	**0.4210**	**4.0079**	**2.8700e-003**	**0.1479**	**5.9600e-003**	**0.1538**	**0.0392**	**5.5200e-003**	**0.0447**		**188.4658**	**188.4658**	**0.0283**		**189.1739**

3.7 Architectural Coating - 2004

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	92.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8771	5.0892	2.2504	0.0297		0.4135	0.4135		0.4135	0.4135		281.4485	281.4485	0.0787		283.4172
Total	**92.9861**	**5.0892**	**2.2504**	**0.0297**		**0.4135**	**0.4135**		**0.4135**	**0.4135**		**281.4485**	**281.4485**	**0.0787**		**283.4172**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0409	0.0468	0.4453	3.2000e-004	0.0164	6.6000e-004	0.0171	4.3600e-003	6.1000e-004	4.9700e-003		20.9406	20.9406	3.1500e-003		21.0193
Total	**0.0409**	**0.0468**	**0.4453**	**3.2000e-004**	**0.0164**	**6.6000e-004**	**0.0171**	**4.3600e-003**	**6.1000e-004**	**4.9700e-003**		**20.9406**	**20.9406**	**3.1500e-003**		**21.0193**

Mitigated Construction On-Site

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

Archit. Coating	92.1090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8771	5.0892	2.2504	0.0297		0.4135	0.4135		0.4135	0.4135	0.0000	281.4485	281.4485	0.0787		283.4172
Total	**92.9861**	**5.0892**	**2.2504**	**0.0297**		**0.4135**	**0.4135**		**0.4135**	**0.4135**	**0.0000**	**281.4485**	**281.4485**	**0.0787**		**283.4172**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0409	0.0468	0.4453	3.2000e-004	0.0164	6.6000e-004	0.0171	4.3600e-003	6.1000e-004	4.9700e-003		20.9406	20.9406	3.1500e-003		21.0193
Total	**0.0409**	**0.0468**	**0.4453**	**3.2000e-004**	**0.0164**	**6.6000e-004**	**0.0171**	**4.3600e-003**	**6.1000e-004**	**4.9700e-003**		**20.9406**	**20.9406**	**3.1500e-003**		**21.0193**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9348	6.1429	23.4875	0.0525	1.5864	0.1347	1.7211	0.4244	0.1279	0.5523		2,422.5813	2,422.5813	0.2676		2,429.2707

Unmitigated	1.9348	6.1429	23.4875	0.0525	1.5864	0.1347	1.7211	0.4244	0.1279	0.5523		2,422.5813	2,422.5813	0.2676		2,429.2707

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	164.94	67.38	7.26	326,272	326,272
University/College (4Yr)	129.96	98.80	0.00	270,098	270,098
Total	294.90	166.18	7.26	596,371	596,371

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
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.496962	0.074792	0.199148	0.142251	0.035136	0.005459	0.014026	0.019971	0.001578	0.001508	0.005510	0.000773	0.002884
University/College (4Yr)	0.496962	0.074792	0.199148	0.142251	0.035136	0.005459	0.014026	0.019971	0.001578	0.001508	0.005510	0.000773	0.002884

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

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

Category	lb/day											lb/day				
NaturalGas Mitigated	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910
NaturalGas Unmitigated	0.0242	0.2202	0.1850	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.2208	264.2208	5.0600e-003	4.8400e-003	265.7910

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	667.233	7.2000e-003	0.0654	0.0550	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4980	78.4980	1.5000e-003	1.4400e-003	78.9645
University/College (4Yr)	1578.64	0.0170	0.1548	0.1300	9.3000e-004		0.0118	0.0118		0.0118	0.0118		185.7229	185.7229	3.5600e-003	3.4000e-003	186.8265
Total		**0.0242**	**0.2202**	**0.1850**	**1.3200e-003**		**0.0167**	**0.0167**		**0.0167**	**0.0167**		**264.2209**	**264.2209**	**5.0600e-003**	**4.8400e-003**	**265.7910**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.667233	7.2000e-003	0.0654	0.0550	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003		78.4980	78.4980	1.5000e-003	1.4400e-003	78.9645
University/College (4Yr)	1.57864	0.0170	0.1548	0.1300	9.3000e-004		0.0118	0.0118		0.0118	0.0118		185.7229	185.7229	3.5600e-003	3.4000e-003	186.8265
Total		**0.0242**	**0.2202**	**0.1850**	**1.3200e-003**		**0.0167**	**0.0167**		**0.0167**	**0.0167**		**264.2209**	**264.2209**	**5.0600e-003**	**4.8400e-003**	**265.7910**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Unmitigated	0.5528	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1262					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Total	**0.5528**	**1.3000e-004**	**0.0107**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0180**	**0.0180**	**8.0000e-005**		**0.0200**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1262					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.3000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0180	0.0180	8.0000e-005		0.0200
Total	**0.5528**	**1.3000e-004**	**0.0107**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0180**	**0.0180**	**8.0000e-005**		**0.0200**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Setting - Tula Community Center

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	6.00	1000sqft	0.14	5,904.00	0
University/College (4Yr)	76.00	Student	0.32	13,968.61	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2005
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumed Operational Start date of 2005

Land Use - Tula Community Center square footage = 19,872 = approx 13,968 square feet of 4Yr + approx 5904 square feet of 2Yr space

Energy Use - Historical Engery Title 24 requirements assumed.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Parking	250	0
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,904.00
tblLandUse	LandUseSquareFeet	6,000.00	5,904.00
tblProjectCharacteristics	OperationalYear	2018	2005

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					
2004	0.4652	1.4038	0.7203	8.5600e-003	6.1200e-003	0.1071	0.1132	1.8200e-003	0.1070	0.1088	0.0000	79.4154	79.4154	0.0190	0.0000	79.8914
Maximum	**0.4652**	**1.4038**	**0.7203**	**8.5600e-003**	**6.1200e-003**	**0.1071**	**0.1132**	**1.8200e-003**	**0.1070**	**0.1088**	**0.0000**	**79.4154**	**79.4154**	**0.0190**	**0.0000**	**79.8914**

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					
2004	0.4652	1.4038	0.7203	8.5600e-003	6.1200e-003	0.1071	0.1132	1.8200e-003	0.1070	0.1088	0.0000	79.4153	79.4153	0.0190	0.0000	79.8913
Maximum	**0.4652**	**1.4038**	**0.7203**	**8.5600e-003**	**6.1200e-003**	**0.1071**	**0.1132**	**1.8200e-003**	**0.1070**	**0.1088**	**0.0000**	**79.4153**	**79.4153**	**0.0190**	**0.0000**	**79.8913**

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

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

1	**1-1-2004**	**3-31-2004**	0.8920	0.8920
2	**4-1-2004**	**6-30-2004**	0.9842	0.9842
		Highest	0.9842	0.9842

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	0.1008	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4700e-003	1.4700e-003	1.0000e-005	0.0000	1.6400e-003
Energy	4.4200e-003	0.0402	0.0338	2.4000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	113.6910	113.6910	3.6500e-003	1.3800e-003	114.1949
Mobile	0.2736	0.9369	3.3866	7.4300e-003	0.2251	0.0199	0.2449	0.0603	0.0189	0.0792	0.0000	305.4813	305.4813	0.0350	0.0000	306.3562
Waste						0.0000	0.0000		0.0000	0.0000	4.3988	0.0000	4.3988	0.2600	0.0000	10.8979
Water						0.0000	0.0000		0.0000	0.0000	0.1450	4.5402	4.6852	0.0151	3.9000e-004	5.1781
Total	**0.3788**	**0.9771**	**3.4213**	**7.6700e-003**	**0.2251**	**0.0229**	**0.2480**	**0.0603**	**0.0219**	**0.0823**	**4.5438**	**423.7139**	**428.2577**	**0.3137**	**1.7700e-003**	**436.6286**

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	0.1008	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4700e-003	1.4700e-003	1.0000e-005	0.0000	1.6400e-003
Energy	4.4200e-003	0.0402	0.0338	2.4000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	113.6910	113.6910	3.6500e-003	1.3800e-003	114.1949
Mobile	0.2736	0.9369	3.3866	7.4300e-003	0.2251	0.0199	0.2449	0.0603	0.0189	0.0792	0.0000	305.4813	305.4813	0.0350	0.0000	306.3562

Waste						0.0000	0.0000		0.0000	0.0000	4.3988	0.0000	4.3988	0.2600	0.0000	10.8979
Water						0.0000	0.0000		0.0000	0.0000	0.1450	4.5402	4.6852	0.0151	3.9000e-004	5.1781
Total	**0.3788**	**0.9771**	**3.4213**	**7.6700e-003**	**0.2251**	**0.0229**	**0.2480**	**0.0603**	**0.0219**	**0.0823**	**4.5438**	**423.7139**	**428.2577**	**0.3137**	**1.7700e-003**	**436.6286**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2004	1/14/2004	5	10	
2	Site Preparation	Site Preparation	1/15/2004	1/15/2004	5	1	
3	Grading	Grading	1/16/2004	1/19/2004	5	2	
4	Building Construction	Building Construction	1/20/2004	6/7/2004	5	100	
5	Paving	Paving	6/8/2004	6/14/2004	5	5	
6	Architectural Coating	Architectural Coating	6/15/2004	6/21/2004	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,809; Non-Residential Outdoor: 9,936; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	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
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2004

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	0.0183	0.1097	0.0479	6.6000e-004		8.7000e-003	8.7000e-003		8.7000e-003	8.7000e-003	0.0000	5.6973	5.6973	1.4900e-003	0.0000	5.7346
Total	**0.0183**	**0.1097**	**0.0479**	**6.6000e-004**		**8.7000e-003**	**8.7000e-003**		**8.7000e-003**	**8.7000e-003**	**0.0000**	**5.6973**	**5.6973**	**1.4900e-003**	**0.0000**	**5.7346**

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	1.0300e-003	1.3000e-003	0.0108	1.0000e-005	4.0000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.2000e-004	0.0000	0.4527	0.4527	7.0000e-005	0.0000	0.4544
Total	**1.0300e-003**	**1.3000e-003**	**0.0108**	**1.0000e-005**	**4.0000e-004**	**2.0000e-005**	**4.2000e-004**	**1.1000e-004**	**2.0000e-005**	**1.2000e-004**	**0.0000**	**0.4527**	**0.4527**	**7.0000e-005**	**0.0000**	**0.4544**

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	0.0183	0.1097	0.0479	6.6000e-004		8.7000e-003	8.7000e-003		8.7000e-003	8.7000e-003	0.0000	5.6973	5.6973	1.4900e-003	0.0000	5.7346
Total	**0.0183**	**0.1097**	**0.0479**	**6.6000e-004**		**8.7000e-003**	**8.7000e-003**		**8.7000e-003**	**8.7000e-003**	**0.0000**	**5.6973**	**5.6973**	**1.4900e-003**	**0.0000**	**5.7346**

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	1.0300e-003	1.3000e-003	0.0108	1.0000e-005	4.0000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.2000e-004	0.0000	0.4527	0.4527	7.0000e-005	0.0000	0.4544
Total	**1.0300e-003**	**1.3000e-003**	**0.0108**	**1.0000e-005**	**4.0000e-004**	**2.0000e-005**	**4.2000e-004**	**1.1000e-004**	**2.0000e-005**	**1.2000e-004**	**0.0000**	**0.4527**	**0.4527**	**7.0000e-005**	**0.0000**	**0.4544**

3.3 Site Preparation - 2004

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	1.2700e-003	9.3600e-003	3.4600e-003	6.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.5117	0.5117	1.0000e-004	0.0000	0.5143
Total	**1.2700e-003**	**9.3600e-003**	**3.4600e-003**	**6.0000e-005**	**2.7000e-004**	**5.7000e-004**	**8.4000e-004**	**3.0000e-005**	**5.7000e-004**	**6.0000e-004**	**0.0000**	**0.5117**	**0.5117**	**1.0000e-004**	**0.0000**	**0.5143**

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	5.0000e-005	6.0000e-005	5.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0226	0.0226	0.0000	0.0000	0.0227
Total	**5.0000e-005**	**6.0000e-005**	**5.4000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0226**	**0.0226**	**0.0000**	**0.0000**	**0.0227**

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					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	1.2700e-003	9.3600e-003	3.4600e-003	6.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.5117	0.5117	1.0000e-004	0.0000	0.5143
Total	**1.2700e-003**	**9.3600e-003**	**3.4600e-003**	**6.0000e-005**	**2.7000e-004**	**5.7000e-004**	**8.4000e-004**	**3.0000e-005**	**5.7000e-004**	**6.0000e-004**	**0.0000**	**0.5117**	**0.5117**	**1.0000e-004**	**0.0000**	**0.5143**

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	5.0000e-005	6.0000e-005	5.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0226	0.0226	0.0000	0.0000	0.0227
Total	**5.0000e-005**	**6.0000e-005**	**5.4000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0226**	**0.0226**	**0.0000**	**0.0000**	**0.0227**

3.4 Grading - 2004

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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6700e-003	0.0219	9.5800e-003	1.3000e-004		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	1.1395	1.1395	3.0000e-004	0.0000	1.1469
Total	**3.6700e-003**	**0.0219**	**9.5800e-003**	**1.3000e-004**	**7.5000e-004**	**1.7400e-003**	**2.4900e-003**	**4.1000e-004**	**1.7400e-003**	**2.1500e-003**	**0.0000**	**1.1395**	**1.1395**	**3.0000e-004**	**0.0000**	**1.1469**

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	2.1000e-004	2.6000e-004	2.1600e-003	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0905	0.0905	1.0000e-005	0.0000	0.0909
Total	**2.1000e-004**	**2.6000e-004**	**2.1600e-003**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0905**	**0.0905**	**1.0000e-005**	**0.0000**	**0.0909**

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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6700e-003	0.0219	9.5800e-003	1.3000e-004		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	1.1395	1.1395	3.0000e-004	0.0000	1.1469
Total	**3.6700e-003**	**0.0219**	**9.5800e-003**	**1.3000e-004**	**7.5000e-004**	**1.7400e-003**	**2.4900e-003**	**4.1000e-004**	**1.7400e-003**	**2.1500e-003**	**0.0000**	**1.1395**	**1.1395**	**3.0000e-004**	**0.0000**	**1.1469**

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	2.1000e-004	2.6000e-004	2.1600e-003	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0905	0.0905	1.0000e-005	0.0000	0.0909
Total	**2.1000e-004**	**2.6000e-004**	**2.1600e-003**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0905**	**0.0905**	**1.0000e-005**	**0.0000**	**0.0909**

3.5 Building Construction - 2004

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	0.1846	1.1335	0.4836	6.8700e-003		0.0892	0.0892		0.0892	0.0892	0.0000	60.0010	60.0010	0.0150	0.0000	60.3765
Total	**0.1846**	**1.1335**	**0.4836**	**6.8700e-003**		**0.0892**	**0.0892**		**0.0892**	**0.0892**	**0.0000**	**60.0010**	**60.0010**	**0.0150**	**0.0000**	**60.3765**

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	5.8300e-003	0.0502	0.0363	3.7000e-004	1.0000e-003	1.7900e-003	2.7800e-003	2.9000e-004	1.7100e-003	2.0000e-003	0.0000	4.0392	4.0392	5.5000e-004	0.0000	4.0530
Worker	8.2800e-003	0.0104	0.0864	6.0000e-005	3.2100e-003	1.3000e-004	3.3400e-003	8.5000e-004	1.2000e-004	9.7000e-004	0.0000	3.6215	3.6215	5.6000e-004	0.0000	3.6355
Total	**0.0141**	**0.0606**	**0.1227**	**4.3000e-004**	**4.2100e-003**	**1.9200e-003**	**6.1200e-003**	**1.1400e-003**	**1.8300e-003**	**2.9700e-003**	**0.0000**	**7.6608**	**7.6608**	**1.1100e-003**	**0.0000**	**7.6884**

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	0.1846	1.1335	0.4836	6.8700e-003		0.0892	0.0892		0.0892	0.0892	0.0000	60.0009	60.0009	0.0150	0.0000	60.3764

Total	**0.1846**	**1.1335**	**0.4836**	**6.8700e-003**		**0.0892**	**0.0892**		**0.0892**	**0.0892**	**0.0000**	**60.0009**	**60.0009**	**0.0150**	**0.0000**	**60.3764**

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	5.8300e-003	0.0502	0.0363	3.7000e-004	1.0000e-003	1.7900e-003	2.7800e-003	2.9000e-004	1.7100e-003	2.0000e-003	0.0000	4.0392	4.0392	5.5000e-004	0.0000	4.0530
Worker	8.2800e-003	0.0104	0.0864	6.0000e-005	3.2100e-003	1.3000e-004	3.3400e-003	8.5000e-004	1.2000e-004	9.7000e-004	0.0000	3.6215	3.6215	5.6000e-004	0.0000	3.6355
Total	**0.0141**	**0.0606**	**0.1227**	**4.3000e-004**	**4.2100e-003**	**1.9200e-003**	**6.1200e-003**	**1.1400e-003**	**1.8300e-003**	**2.9700e-003**	**0.0000**	**7.6608**	**7.6608**	**1.1100e-003**	**0.0000**	**7.6884**

3.6 Paving - 2004

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	8.4100e-003	0.0531	0.0232	3.3000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	2.7483	2.7483	6.9000e-004	0.0000	2.7654
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.4100e-003**	**0.0531**	**0.0232**	**3.3000e-004**		**3.8600e-003**	**3.8600e-003**		**3.8600e-003**	**3.8600e-003**	**0.0000**	**2.7483**	**2.7483**	**6.9000e-004**	**0.0000**	**2.7654**

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	9.3000e-004	1.1700e-003	9.7100e-003	1.0000e-005	3.6000e-004	1.0000e-005	3.8000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.4074	0.4074	6.0000e-005	0.0000	0.4090
Total	**9.3000e-004**	**1.1700e-003**	**9.7100e-003**	**1.0000e-005**	**3.6000e-004**	**1.0000e-005**	**3.8000e-004**	**1.0000e-004**	**1.0000e-005**	**1.1000e-004**	**0.0000**	**0.4074**	**0.4074**	**6.0000e-005**	**0.0000**	**0.4090**

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	8.4100e-003	0.0531	0.0232	3.3000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	2.7483	2.7483	6.9000e-004	0.0000	2.7654
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.4100e-003**	**0.0531**	**0.0232**	**3.3000e-004**		**3.8600e-003**	**3.8600e-003**		**3.8600e-003**	**3.8600e-003**	**0.0000**	**2.7483**	**2.7483**	**6.9000e-004**	**0.0000**	**2.7654**

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	9.3000e-004	1.1700e-003	9.7100e-003	1.0000e-005	3.6000e-004	1.0000e-005	3.8000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.4074	0.4074	6.0000e-005	0.0000	0.4090
Total	**9.3000e-004**	**1.1700e-003**	**9.7100e-003**	**1.0000e-005**	**3.6000e-004**	**1.0000e-005**	**3.8000e-004**	**1.0000e-004**	**1.0000e-005**	**1.1000e-004**	**0.0000**	**0.4074**	**0.4074**	**6.0000e-005**	**0.0000**	**0.4090**

3.7 Architectural Coating - 2004

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	0.2303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0127	5.6300e-003	7.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	0.6383	0.6383	1.8000e-004	0.0000	0.6428
Total	**0.2325**	**0.0127**	**5.6300e-003**	**7.0000e-005**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**0.6383**	**0.6383**	**1.8000e-004**	**0.0000**	**0.6428**

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	1.3000e-004	1.0800e-003	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0453	0.0453	1.0000e-005	0.0000	0.0454
Total	**1.0000e-004**	**1.3000e-004**	**1.0800e-003**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0453**	**0.0453**	**1.0000e-005**	**0.0000**	**0.0454**

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	0.2303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0127	5.6300e-003	7.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	0.6383	0.6383	1.8000e-004	0.0000	0.6428
Total	**0.2325**	**0.0127**	**5.6300e-003**	**7.0000e-005**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**0.6383**	**0.6383**	**1.8000e-004**	**0.0000**	**0.6428**

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	1.3000e-004	1.0800e-003	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0453	0.0453	1.0000e-005	0.0000	0.0454
Total	**1.0000e-004**	**1.3000e-004**	**1.0800e-003**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0453**	**0.0453**	**1.0000e-005**	**0.0000**	**0.0454**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2736	0.9369	3.3866	7.4300e-003	0.2251	0.0199	0.2449	0.0603	0.0189	0.0792	0.0000	305.4813	305.4813	0.0350	0.0000	306.3562
Unmitigated	0.2736	0.9369	3.3866	7.4300e-003	0.2251	0.0199	0.2449	0.0603	0.0189	0.0792	0.0000	305.4813	305.4813	0.0350	0.0000	306.3562

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	164.94	67.38	7.26	326,272	326,272
University/College (4Yr)	129.96	98.80	0.00	270,098	270,098
Total	294.90	166.18	7.26	596,371	596,371

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-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.496962	0.074792	0.199148	0.142251	0.035136	0.005459	0.014026	0.019971	0.001578	0.001508	0.005510	0.000773	0.002884
University/College (4Yr)	0.496962	0.074792	0.199148	0.142251	0.035136	0.005459	0.014026	0.019971	0.001578	0.001508	0.005510	0.000773	0.002884

5.0 Energy Detail

Historical Energy Use: Y

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	69.9462	69.9462	2.8200e-003	5.8000e-004	70.1902
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	69.9462	69.9462	2.8200e-003	5.8000e-004	70.1902
NaturalGas Mitigated	4.4200e-003	0.0402	0.0338	2.4000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	43.7447	43.7447	8.4000e-004	8.0000e-004	44.0047
NaturalGas Unmitigated	4.4200e-003	0.0402	0.0338	2.4000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	43.7447	43.7447	8.4000e-004	8.0000e-004	44.0047

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					
Junior College (2Yr)	243540	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9962	12.9962	2.5000e-004	2.4000e-004	13.0735
University/College (4Yr)	576205	3.1100e-003	0.0283	0.0237	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	30.7485	30.7485	5.9000e-004	5.6000e-004	30.9312
Total		**4.4200e-003**	**0.0402**	**0.0338**	**2.4000e-004**		**3.0600e-003**	**3.0600e-003**		**3.0600e-003**	**3.0600e-003**	**0.0000**	**43.7447**	**43.7447**	**8.4000e-004**	**8.0000e-004**	**44.0047**

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					
Junior College (2Yr)	243540	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9962	12.9962	2.5000e-004	2.4000e-004	13.0735
University/College (4Yr)	576205	3.1100e-003	0.0283	0.0237	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	30.7485	30.7485	5.9000e-004	5.6000e-004	30.9312
Total		**4.4200e-003**	**0.0402**	**0.0338**	**2.4000e-004**		**3.0600e-003**	**3.0600e-003**		**3.0600e-003**	**3.0600e-003**	**0.0000**	**43.7447**	**43.7447**	**8.4000e-004**	**8.0000e-004**	**44.0047**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	63586.1	20.7805	8.4000e-004	1.7000e-004	20.8530
University/College (4Yr)	150442	49.1657	1.9800e-003	4.1000e-004	49.3372
Total		**69.9462**	**2.8200e-003**	**5.8000e-004**	**70.1902**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	63586.1	20.7805	8.4000e-004	1.7000e-004	20.8530
University/College (4Yr)	150442	49.1657	1.9800e-003	4.1000e-004	49.3372

Total		**69.9462**	**2.8200e-003**	**5.8000e-004**	**70.1902**

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	0.1008	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4700e-003	1.4700e-003	1.0000e-005	0.0000	1.6400e-003
Unmitigated	0.1008	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4700e-003	1.4700e-003	1.0000e-005	0.0000	1.6400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4700e-003	1.4700e-003	1.0000e-005	0.0000	1.6400e-003
Total	**0.1008**	**1.0000e-005**	**9.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4700e-003**	**1.4700e-003**	**1.0000e-005**	**0.0000**	**1.6400e-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	0.0230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	9.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4700e-003	1.4700e-003	1.0000e-005	0.0000	1.6400e-003
Total	**0.1008**	**1.0000e-005**	**9.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4700e-003**	**1.4700e-003**	**1.0000e-005**	**0.0000**	**1.6400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.6852	0.0151	3.9000e-004	5.1781
Unmitigated	4.6852	0.0151	3.9000e-004	5.1781

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.294294 / 0.460306	3.0170	9.7100e-003	2.5000e-004	3.3344
University/College (4Yr)	0.162724 / 0.254516	1.6682	5.3700e-003	1.4000e-004	1.8437
Total		**4.6852**	**0.0151**	**3.9000e-004**	**5.1781**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.294294 / 0.460306	3.0170	9.7100e-003	2.5000e-004	3.3344
University/College (4Yr)	0.162724 / 0.254516	1.6682	5.3700e-003	1.4000e-004	1.8437
Total		**4.6852**	**0.0151**	**3.9000e-004**	**5.1781**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.3988	0.2600	0.0000	10.8979
Unmitigated	4.3988	0.2600	0.0000	10.8979

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	7.8	1.5833	0.0936	0.0000	3.9226
University/College (4Yr)	13.87	2.8155	0.1664	0.0000	6.9752
Total		**4.3988**	**0.2600**	**0.0000**	**10.8979**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	7.8	1.5833	0.0936	0.0000	3.9226
University/College (4Yr)	13.87	2.8155	0.1664	0.0000	6.9752

Total		**4.3988**	**0.2600**	**0.0000**	**10.8979**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation