Prepared for
Armbruster Goldsmith & Delvac LLP
Los Angeles, California

Prepared by
Ramboll Americas Engineering Solutions, Inc.
Irvine, California

Project Number
1940116122

Date
November 2025

AIR QUALITY TECHNICAL REPORT

MILKEN COMMUNITY SCHOOL EAST CAMPUS PROJECT
LOS ANGELES, CALIFORNIA

RAMBOLL

CONTENTS

TABLE

APPENDICES

ACRONYMS AND ABBREVIATIONS

Acronym	Definition
AJU	American Jewish University
AQMP	Air Quality Management Plan
CalEEMod®	California Emission Estimator Model®
CAP	criteria air pollutant
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CO	carbon monoxide
EMFAC	CARB's on-road mobile source emission factor model
H_2S	hydrogen sulfide
LST	Localized Significance Threshold
MCS	Milken Community School
NO_2	nitrogen dioxide
NO_X	oxides of nitrogen
O_3	ozone
OFFROAD	CARB's off-road mobile source emission factor model
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PM_{10}	particulate matter less than 10 microns in diameter
RTP	Regional Transportation Plan
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SO_2	sulfur dioxide
SO_X	oxides of sulfur
VOC	volatile organic compound

1. INTRODUCTION

The purpose of this technical report is to present the quantitative analyses that were used to evaluate the Milken Community School East Campus Project's operational criteria air pollutant (CAP) emissions.

1.1 Project Description

The Milken Community School (MCS) East Campus Project ("Project") consists of the relocation of the high school component of MCSs existing approved school use to the property commonly known as 15600 Mulholland Drive, (the "Project Site"). MCS currently operates a middle and high school on a site located to the west of the Project Site at 15900 Mulholland Drive, which has a total permitted enrollment of 890 students in grades 6-12.

The Project Site, which is currently occupied by the former campus of the American Jewish University ("AJU"), is a 21.7-acre (approximately 945,761 square feet) site and is developed with several buildings (approximately 193,323 square feet), including:

1. The Main Building (approximately 125,000 square feet), consisting of classrooms, a library, a performing arts center and auditorium, a kitchen and cafeteria, religious use areas, and administrative offices;
2. A Student Union (approximately 13,600 square feet) building, consisting of recreational facilities and administrative offices;
3. Four student residence buildings (total of approximately 56,000 square feet);
4. Athletic fields and ornamental landscaping;
5. Approximately 396 automobile parking spaces; and
6. Campus security fencing, gates, and associated security kiosk (approximately 123 square feet).

Physical improvements to accommodate the relocated high school will consist of interior renovations to the main campus building (the "Main Building") and the Student Union building ("Student Union") only. No additional structures or additional floor area will be constructed. After completion of the Project, the Main Building will contain classrooms, science laboratories, an auditorium and performing arts rooms, kitchen and dining areas, a student lounge, religious use areas, and faculty and administrative offices. The Student Union will contain fitness rooms, multipurpose rooms, and offices. As a part of the Project renovations, minor exterior alterations will be made to the Main Building to improve building circulation. Specifically, existing floor-to-ceiling windows adjacent to the parking area on the upper level will be converted into doors. The Project does not include grading and proposes no soil import or export. The Project does not propose the removal of any protected or non-protected trees.

After completion of the Project, a total of up to 900 high school students will be permitted to be enrolled at the Project Site. Accordingly, the overall permitted enrollment at the two MCS sites will be 1,200 students, which will be less than the combined total of 2,290 students (1,400 AJU students plus 890 MCS students) permitted by the existing Conditional Use Permits.

1.2 Existing Conditions

Existing land uses within the Project Site include a former campus university with a Main Building, a Student Union, residence buildings, athletic fields, and parking spaces. Operational emissions under the existing conditions are conservatively not addressed in this analysis.

2. SIGNIFICANCE THRESHOLDS

2.1 California Environmental Quality Act Guidelines

The analysis provided in this report evaluates the significance of the proposed Project's CAP emissions by reference to the following questions from Section III, Air Quality, of Appendix G of the California Environmental Quality Act (CEQA) Guidelines:[1]

Threshold 1. Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Threshold 2. Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

Threshold 3. Would the Project expose sensitive receptors to substantial pollutant concentrations?

Threshold 4. Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

An evaluation of the proposed Project based on the significance thresholds discussed below is provided in subsequent sections.

2.2 South Coast Air Quality Management District Thresholds

CAPs of concern include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter less than 10 microns in diameter (PM_{10}), particulate matter less than 2.5 microns in diameter ($PM_{2.5}$), and hydrogen sulfide (H_2S). The South Coast Air Quality Management District (SCAQMD) has established significance thresholds[2] to assess the impacts of Project-related operational emissions on regional and local ambient air quality, including mass daily thresholds for CAP emissions. The analysis summarized in this report estimates Project-related operational mass emissions and compares the emissions to SCAQMD's mass daily significance thresholds. This report also assesses the ambient air quality impacts from operational activities to the state and local ambient air quality standards, by comparison of project emissions to the SCAQMD Localized Significance Thresholds (LSTs).[3] LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard.

2.3 Project Approach to Significance

This report, relative to Threshold 1, evaluates the proposed Project for consistency with the applicable plan related to emissions, which is the 2022 Air Quality Management Plan (AQMP) for the South Coast Air Basin. This report, relative to Threshold 2, quantifies the proposed Project's emissions during operation and compares those results to the applicable SCAQMD mass daily thresholds. Relative to Threshold 3, this report quantifies the proposed Project's emissions during operation and compares those results to the applicable SCAQMD LST

[1] California Natural Resources Agency. 2018. Appendix G of the CEQA Guidelines. Available at: http://resources.ca.gov/ceqa/docs/2018_CEQA_FINAL_TEXT_122818.pdf. Accessed: October 2025.

[2] SCAQMD. 2023. Air Quality Significance Thresholds. March. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25. Accessed: October 2025.

[3] SCAQMD. Localized Significance Thresholds. Available at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds. Accessed: October 2025.

thresholds. This report, relative to Threshold 4, evaluates the potential for odor-generating activities from the proposed Project.

3. CRITERIA POLLUTANT EMISSION INVENTORIES

This analysis focuses on the potential change in air quality due to implementation of the proposed Project. The proposed Project would result in CAP emissions from operational sources. Operational activities would also generate emissions at the Project Site from miscellaneous on-site sources, such as natural gas combustion for heating and landscaping equipment, and off-site from operational-related traffic.

Ramboll utilized the California Emission Estimator Model version 2022.1 (CalEEMod®)[4] to quantify the criteria pollutant emissions associated with operation of the Project. CalEEMod® is a state-wide program designed to calculate both criteria and greenhouse gas emissions from development projects in California. CalEEMod® is based on California Air Resources Board (CARB) approved Off-Road and On-Road Mobile-Source Emission Factor models (OFFROAD and EMFAC, respectively) and is designed to estimate operational emissions for land use development projects and allows for the input of Project-specific information. OFFROAD2011 and OFFROAD2017 are emissions factor models used in CalEEMod® to calculate emission rates from off-road mobile sources (e.g., construction equipment, agricultural equipment). EMFAC2021 is the emissions factor model used in CalEEMod® to calculate emissions rates from on-road vehicles (e.g., passenger vehicles, haul trucks).

CalEEMod® provides a simple platform to calculate operational emissions from a land use project. It calculates both the maximum daily and annual average emissions for criteria pollutants. The model also provides default values for water and energy use.

3.1 Operational Emissions

Operational emissions would occur after build-out of the proposed Project.

The following Project-specific assumptions were used as inputs to the CalEEMod® model run for operational emissions:

- Operational Year: 2026;
- High School Size: 900 students;
- High School Land Use Size: 193,323 square-foot building;
- Project Trip Rates for Operational Mobile Emissions: 2.14 trips/student/day;
- Project Trip Length for Operational Mobile Emissions: 11.76 miles/trip.

Assumptions for trip rates and trip lengths were determined to align with the Project-specific trip generation and vehicle miles travelled estimates prepared by Gibson Transportation Consulting, Inc. in their traffic technical study for the proposed Project.[5]

All other inputs to the model were based on CalEEMod® defaults, which were used to estimate CAP emissions from area sources (consumer products, architectural coatings, and landscaping equipment), natural gas combustion related to energy use, and on-road mobile sources. Refer to the CalEEMod model run included **Appendix A** for further details.

[4] California Air Pollution Control Officers Association. 2022. California Emissions Estimator Model. Version 2022.1. Available at: http://www.caleemod.com/. Accessed: October 2025.

[5] Gibson Transportation Consulting, Inc. 2025. Transportation Analysis for Milken Community School, Los Angeles, California. October 30.

Table 1 summarizes the maximum daily CAP emissions associated with the proposed Project operation. As shown in this table, the maximum daily emissions for the proposed Project operation are below the SCAQMD mass daily significance thresholds for VOC, NO_X, CO, PM_{10}, SO_X, and $PM_{2.5}$. Additionally, the maximum daily on-site emissions from the proposed Project operation are less than the LSTs for NO_X, CO, PM_{10}, and $PM_{2.5}$.

4. PROJECT INVENTORY IN CONTEXT

This section assesses the significance of the proposed Project's emissions for purposes of CEQA.

4.1 Threshold 1: Would the Project conflict with or obstruct implementation of the applicable air quality plan?

The most current air quality plan for the region is the SCAQMD 2022 AQMP, which is based on demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the Southern California Association of Governments (SCAG) for their 2024-2050 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). Thus, consistency with the planning assumptions contained within the RTP/SCS demonstrates consistency with SCAQMD's 2022 AQMP.

The SCAG RTP is a long-range transportation plan that is developed and updated by SCAG every four years. The RTP provides a vision for transportation investments throughout the region. Using growth forecasts and economic trends that project out over a 25-year period, the RTP considers the role of transportation in the broader context of economic, environmental, and quality-of-life goals for the future, identifying regional transportation strategies to address our mobility needs. The SCS is a required element of the RTP. The SCS integrates land use and transportation strategies that will achieve CARB emissions reduction targets.[6]

The proposed Project would not create any overall population growth; therefore, it has no effect on the growth assumptions used in the 2022 AQMP and 2024-2050 RTP/SCS, *Connect SoCal*. The Project is consistent with these plans and would not impair the region's ability to achieve the SCAQMD's goals for attainment of air quality standards, thus the proposed Project would not conflict with or obstruct implementation of the SCAQMD 2022 AQMP nor the SCAG RTP/SCS.

4.2 Threshold 2: Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

The proposed Project is located within the Los Angeles County, which is currently designated as non-attainment for the federal and state O_3 standards, the state PM_{10} standard, and the federal and state for $PM_{2.5}$ standards. Ozone precursors include VOC and NO_X. As discussed in **Section 3**, estimated emissions for the proposed Project show that the maximum daily mass emissions for operation (**Table 1**) are less than the SCAQMD mass daily significance thresholds for VOC, NO_X, CO, PM_{10}, SO_X, and $PM_{2.5}$.

The proposed Project is not expected to emit H_2S. Common sources of H_2S include oil and natural gas extraction and processing, sewage treatment facilities, landfills, and other heavy industrial sites. The proposed Project land uses are educational in nature and are therefore not expected to generate significant H_2S emissions.

Overall, the proposed Project would not result in any cumulatively considerable impacts for criteria pollutants for which the Project region is non-attainment.

[6] SCAG. 2024. 2024-2050 Regional Transportation Plan/Sustainable Communities Strategy. April. Available at: https://scag.ca.gov/connect-socal. Accessed: October 2025.

4.3 Threshold 3: Would the Project expose sensitive receptors to substantial pollutant concentrations?

The SCAQMD's LST Methodology was used to assess localized ambient air quality impacts from on-site construction and operational activities and determine whether the proposed Project would expose sensitive receptors to substantial pollutant concentrations. The maximum daily on-site emissions from operation of the proposed Project are below the SCAQMD LST thresholds, as shown in **Table 1**. As a result, the proposed Project is not expected to expose sensitive receptors to substantial pollutant concentrations.

4.4 Threshold 4: Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

4.4.1 Operational Odors

According to the SCAQMD, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding.[7] The proposed Project does not include any uses identified by the SCAQMD as being associated with odors, and thus the proposed Project would not result in odors adversely affecting a substantial number of people.

[7] SCAQMD. 1993. CEQA Air Quality Handbook. Available at: https://www.dtsc-ssfl.com/files/lib_ceqa/ref_draft_peir/Chap4_2-AirQuality/SCAQMD_1993_-_CEQA_Handbook.pdf. Accessed: October 2025.

TABLE

Table 1. Maximum Daily Criteria Air Pollutant Emission Estimates for Project Operation **DRAFT**

Milken Community School East Campus Project
Los Angeles, California

Emission Category	Maximum Daily Emissions (lb/day)					
	NO_x	**VOC[1]**	**PM_{10}**	**$PM_{2.5}$**	**SO_x[2]**	**CO**
Total Operational Emissions[3]	7.53	12.9	16.3	4.28	0.18	79.3
SCAQMD Mass Daily Threshold[4]	55	55	150	55	150	550
Above SCAQMD Mass Daily Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
On-Site Operational Emissions[5]	1.40	--	0.90	0.30	--	12.80
SCAQMD Localized Significance Threshold[6]	103	--	1	1	--	562
Above SCAQMD Localized Significance Threshold?	**No**	--	**No**	**No**	--	**No**

Notes:

[1] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[2] For purposes of this analysis SO_X emissions are assumed to be equal to SO_2.

[3] Obtained from CalEEMod® model run in **Appendix A-1**.

[4] Obtained from SCAQMD Air Quality Significance Thresholds. Available at: https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25. Accessed: October 2025.

[5] On-site emissions from operations of the proposed Project include emissions from area sources, energy sources, and on-site travel related to project-related mobile sources (obtained from **Appendix A-1**). For purposes of this analysis, it is assued that approximately 5.0% of total emissions from mobile sources would occur on-site, based on the ratio of the on-site distance to the total trip distance.

[6] Localized significance thresholds for Northwest Coastal LA County (Source Receptor Area 2) obtained from SCAQMD Appendix C - Mass Rate LST Look-up Tables. The most conservative thresholds, based on a 1-acre site and a receptor distance of 25 m from the site boundary, were selected. Available at: https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2. Accessed: October 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CO - carbon monoxide
lbs - pounds
LST - Localized Significance Threshold
m - meters
NO_2 - nitrogen dioxide
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SCAQMD - South Coast Air Quality Management District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
VOC - volatile organic compounds

APPENDIX A
CALEEMOD® MODEL RUN

Milken School AQ Analysis Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Milken School AQ Analysis
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	19.6
Location	15600 Mulholland Dr, Los Angeles, CA 90077, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	3804
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
High School	900	Student	2.74	193,323	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.9	12.9	7.03	79.3	0.18	0.20	16.1	16.3	0.19	4.09	4.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.3	11.4	7.53	64.3	0.17	0.19	16.1	16.3	0.18	4.09	4.27
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.3	12.3	7.65	72.0	0.17	0.20	15.9	16.1	0.19	4.04	4.22
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.42	2.24	1.40	13.1	0.03	0.04	2.90	2.94	0.03	0.74	0.77

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.62	6.80	5.93	70.1	0.17	0.11	16.1	16.2	0.10	4.09	4.19
Area	6.12	6.01	0.07	8.41	< 0.005	0.01	—	0.01	0.01	—	0.01
Energy	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—	—

Waste	—	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—	—
Total	13.9	12.9	7.03	79.3	0.18	0.20	16.1	16.3	0.19	4.09	4.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.54	6.71	6.49	63.5	0.17	0.11	16.1	16.2	0.10	4.09	4.19
Area	4.63	4.63	—	—	—	—	—	—	—	—	—
Energy	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—	—
Total	12.3	11.4	7.53	64.3	0.17	0.19	16.1	16.3	0.18	4.09	4.27
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.50	6.67	6.57	65.4	0.17	0.11	15.9	16.0	0.10	4.04	4.14
Area	5.65	5.57	0.05	5.76	< 0.005	0.01	—	0.01	0.01	—	0.01
Energy	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—	—
Total	13.3	12.3	7.65	72.0	0.17	0.20	15.9	16.1	0.19	4.04	4.22
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.37	1.22	1.20	11.9	0.03	0.02	2.90	2.92	0.02	0.74	0.76
Area	1.03	1.02	0.01	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Energy	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01
Water	—	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—	—
Total	2.42	2.24	1.40	13.1	0.03	0.04	2.90	2.94	0.03	0.74	0.77

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	7.62	6.80	5.93	70.1	0.17	0.11	16.1	16.2	0.10	4.09	4.19
Total	7.62	6.80	5.93	70.1	0.17	0.11	16.1	16.2	0.10	4.09	4.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	7.54	6.71	6.49	63.5	0.17	0.11	16.1	16.2	0.10	4.09	4.19
Total	7.54	6.71	6.49	63.5	0.17	0.11	16.1	16.2	0.10	4.09	4.19
Annual	—	—	—	—	—	—	—	—	—	—	—
High School	1.37	1.22	1.20	11.9	0.03	0.02	2.90	2.92	0.02	0.74	0.76
Total	1.37	1.22	1.20	11.9	0.03	0.02	2.90	2.92	0.02	0.74	0.76

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Total	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Total	0.11	0.06	1.03	0.87	0.01	0.08	—	0.08	0.08	—	0.08
Annual	—	—	—	—	—	—	—	—	—	—	—
High School	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01
Total	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.14	4.14	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.49	0.49	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.50	1.38	0.07	8.41	< 0.005	0.01	—	0.01	0.01	—	0.01
Total	6.12	6.01	0.07	8.41	< 0.005	0.01	—	0.01	0.01	—	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.14	4.14	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	0.49	—	—	—	—	—	—	—	—	—
Total	4.63	4.63	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.76	0.76	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.19	0.17	0.01	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	1.03	1.02	0.01	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
High School	1,929	1,929	1,929	704,085	22,690	22,690	22,690	8,281,850

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	289,985	96,662	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
High School	1,292,625	690	0.0489	0.0069	3,852,984

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
High School	3,964,464	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
High School	164	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
High School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
High School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
High School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Building square footage was adjusted to match project description

Operations: Vehicle Data	Project trip rates were updated to capture project specific trip generation data. Project trip lengths were updated to produce daily VMT calculate specifically for this project.