

Item #5:  
Additional Construction  
Emissions Analysis

July 5, 2016




**sierra  
research**

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**Memo to:** Justin Osler, The Martin Group

**From:** Allan Daly 

**Subject:** Evaluation of Construction Phase Emissions for the Webster & 12<sup>th</sup> (W12) Project, Oakland, California

## Introduction

Sierra Research evaluated the construction phase emissions of criteria pollutants and greenhouse gases (GHGs) from the Webster & 12<sup>th</sup> (W12) Project in Oakland, California. The project consists of the redevelopment of one whole city block (60,000 sq. ft. site area) plus one-quarter of a second city block (15,000 sq. ft. site area) with a mixed-use development comprised of the following:

- 416 dwelling units (300,330 sq. ft.);
- 58,385 sq. ft. of leasing, lobby, amenity, multipurpose, and common areas;
- 25,050 sq. ft. of commercial retail space; and
- Multi-level parking with 317 stalls.

The above elements will be arranged in three, 8-level<sup>1</sup> residential towers with street-level commercial retail units and lobby areas (two towers on the whole-block portion and one tower on the quarter-block portion). For the whole-block portion, the parking structure will include three levels, including a basement level. For the quarter-block portion, the parking structure will include two levels (with no basement level).

The whole-block portion of the site (bounded by 11<sup>th</sup>, 12<sup>th</sup>, Webster, and Harrison Streets) is currently developed with several one- and two-story buildings that have recently been used for indoor parking and as a charter school. The quarter-block portion of the site is currently developed as a sports hardcourt for the charter school, including one small structure. All of the existing structures currently present on the project area will be demolished.

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<sup>1</sup> The towers alternatively may be considered as 7-story buildings if parking levels are not considered—six residential floors over one retail floor.

## Construction Emission Sources

Construction of the project will entail a variety of activities that emit criteria air pollutants and GHGs. These activities may be grouped by whether they create fugitive emissions or engine exhaust emissions. Fugitive dust is particulate matter, fractions of which are the pollutants categorized as respirable particulate matter (PM<sub>10</sub>) and fine particulate matter (PM<sub>2.5</sub>), based on the aerodynamic diameter of the particles. Other fugitive emissions originate from asphalt off-gassing and the application of architectural coatings, adhesives/sealants, and solvents, all of which emit volatile organic compounds (VOCs). Engine exhaust emissions include all criteria pollutants and GHGs; they are directly emitted at the project construction site and indirectly emitted by vehicles traveling to and from the project, such as trips made by construction worker vehicles, vendor vehicles, and material haul trucks.

Sources of fugitive emissions from construction of the W12 project are listed below.

- Dust entrained during building demolition and debris loading
- Dust entrained during site preparation and grading and excavation
- Dust created from on-road vehicle travel on public roadways
- VOC emissions from asphalt off-gassing during paving activities
- VOC emissions from the application and use of architectural coatings, adhesives, sealants, and solvents

Sources of engine exhaust emissions from construction of the W12 project include those listed below.

- Equipment used for site preparation, grading, excavation, and trenching
- Equipment used for erecting structures (cranes, forklifts, compressors, generators, etc.)
- Equipment used for paving
- Water trucks used to control construction dust emissions
- Haul trucks used to remove demolition debris and excavated materials
- Vendor vehicles delivering materials, concrete, fuel, and other supplies to the construction site
- Automobiles used by workers to commute to the construction site.

## Model Selection, Project Inputs, and Mitigation Measures

Model Selection – Construction emissions were estimated using the California Emissions Estimator Model (CalEEMod), version 2013.2.2. CalEEMod is the statewide land use emissions computer model designed to assist government agencies, land use planners, and environmental professionals in quantifying potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects, including those within the Bay Area Air Quality Management District

(BAAQMD).<sup>2</sup> Because the scope of this analysis includes emissions from construction only, all CalEEMod inputs and outputs related to operational emissions are not relied upon. The relevant CalEEMod output reports are included as an attachment to this memo.

Project Inputs – CalEEMod requires a number of project inputs in order to accurately quantify emissions. In cases where project-specific information is not known, the program applies default values based on data derived from special studies or industry-accepted sources.

On the “Land Use” screen, the project was input as four land use subtypes. The residential portion of the project was input as 416 dwelling units of the “Apartments Mid Rise” subtype, with 1.72 acres of lot area, and 300,330 sq. ft. of building area. The leasing, lobby, amenity, multipurpose, and common areas were input as 58,385 sq. ft. of the “General Office Building” subtype, and the street level retail was input as 25,050 sq. ft. of the “Strip Mall” subtype. The parking structures were input as 317 spaces of the “Enclosed Parking with Elevator” subtype.

Due to uncertainty regarding the total time the construction phase may require, emissions were calculated for two different phasing schedules, which were input on the “Construction” screen. The first, shorter construction phasing schedule is based on the default schedule generated by CalEEMod, with the exception that the “Demolition” and “Grading” phases were lengthened to two calendar months each to account for the level of demolition and excavating required for the whole-block portion of the project. Also, the dates of the “Architectural Coating” phase were set to coincide with those of the “Building Construction” phase as it is expected that painting of various sections of the project will be concurrent with construction, rather than the whole project being painted at the end of construction. This construction phasing schedule is 15.6 months in length.

Because construction could continue for a much longer period—up to 30 months—a second phasing schedule was input to ensure that total project emissions would not be underestimated. For the 30-month schedule, the “Grading” phase was likewise proportionally lengthened, and the “Architectural Coating” phase dates were set to coincide with the “Building Construction” dates. The remaining phase schedules were proportionately lengthened so that the entire construction length is 30 months.

For both construction schedules, the default construction start date of January 1, 2017, was retained. Because the shorter construction schedule of 15.6 months may be somewhat compressed compared to the actual construction schedule of up to 30 months, the shorter schedule will result in a conservatively high estimation of emissions on a pounds-per-day basis for some pollutants. The longer construction schedule will result in an overall increase in total project construction emissions for all pollutants.

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<sup>2</sup> It is noted that the BAAQMD *California Environmental Quality Act, Air Quality Guidelines*, (Updated May 2012) indicates that the Urban Land Use Emissions Model (URBEMIS) should be used to quantify construction emissions (See p. 8-1). However, current BAAQMD guidance recommends the use of the latest version of CalEEMod, the currently supported statewide model.

An area of 90,000 sq. ft. was input as the estimated total building area to be demolished. For the whole-block portion of the site area, it was assumed that the entire 60,000 sq. ft. area would need to be excavated ten additional feet to accommodate the basement parking garage, totaling 22,222 cubic yards of material to be exported (in addition to the demolition debris). It was further assumed that the entire 75,000 sq. ft. site area would require three feet of aggregate base, totaling 8,333 cubic yards of material to be imported. The CalEEMod option for “phased” material import/export was selected.

And finally, the surface area to be painted for the “Parking” land use type was decreased from 200% of the parking lot area to 6% of the parking lot area, as described in Appendix E. This corrects a known calculation error within CalEEMod.

Mitigation Measures – The BAAQMD’s *California Environmental Quality Act, Air Quality Guidelines* (Updated May 2012) recommends the implementation of all “Basic Construction Mitigation Measures,” listed in Table 8.1 of the guidelines.<sup>3</sup> These mitigation measures are shown in Table 1 below.

The mitigation measures listed in Table 1 were input into CalEEMod on the “Mitigation” screen, “Construction” tab. The CalEEMod measures were selected for watering exposed areas (two times per day), limiting vehicle speed on unpaved roads to 15 miles per hour,<sup>4</sup> and cleaning paved roads. For “cleaning paved roads,” a 16% reduction in particulate matter was assumed.<sup>5</sup> The remainder of the mitigation measures listed in Table 1 do not result in calculable emissions reductions in CalEEMod, but will likewise be implemented.

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<sup>3</sup> Page 8-1.

<sup>4</sup> It is noted that all onroad vehicle trips are assumed to occur on paved roads, so selecting this option within CalEEMod will not reduce the calculated emissions.

<sup>5</sup> From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for “Local streets” implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

<b>Table 1</b> <b>BAAQMD Basic Construction Mitigation Measures</b>	
1.	All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2.	All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3.	All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4.	All vehicle speeds on unpaved roads shall be limited to 15 mph.
5.	All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6.	Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
7.	All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified visible emissions evaluator.
8.	Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

### W12 Project Construction Emissions

The maximum daily emissions from the W12 project are shown in Table 2 (for the 15.6-month schedule) and Table 3 (for the 30-month schedule). Annual emission are shown in Table 4 (for the 15.6-month schedule) and Table 5 (for the 30-month schedule). For daily construction emissions, CalEEMod calculates emissions for both "summer" and "winter." Minor changes in engine exhaust emissions due to ambient temperature account for the differences, and the maximum of either summer or winter is shown in Tables 2 and 3.

<b>Table 2</b>										
<b>Maximum Daily Emissions (lbs/day)</b>										
<b>15.6-Month Default Construction Phasing Schedule</b>										
	<b>ROG</b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>CO<sub>2</sub></b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>	<b>CO<sub>2e</sub></b>
Demolition	4.3	45.3	37.3	0.0	3.4	2.2	4,869	1.1	0.0	4,892
Site Preparation	4.9	51.9	40.3	0.0	11.1	7.0	4,172	1.2	0.0	4,198
Grading	5.0	53.7	45.0	0.1	6.3	3.9	7,991	1.0	0.0	8,012
Building Construction	5.5	35.6	50.2	0.1	6.0	2.9	8,051	0.8	0.0	8,069
Architectural Coating	28.5	2.6	5.7	0.0	0.9	0.4	994	0.1	0.0	995
Paving	1.5	14.4	13.2	0.0	1.0	0.8	2,026	0.6	0.0	2,038
<b>Maximum</b>	<b>34.0</b>	<b>53.7</b>	<b>55.9</b>	<b>0.1</b>	<b>11.1</b>	<b>7.0</b>	<b>9,045</b>	<b>1.2</b>	<b>0.0</b>	<b>9,064</b>

<b>Table 3</b>										
<b>Maximum Daily Emissions (lbs/day)</b>										
<b>30-Month Extended Construction Phasing Schedule</b>										
	<b>ROG</b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>CO<sub>2</sub></b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>	<b>CO<sub>2e</sub></b>
Demolition	4.2	44.1	36.1	0.0	2.8	2.1	4,539	1.1	0.0	4,563
Site Preparation	4.9	51.9	40.3	0.0	7.4	5.1	4,172	1.2	0.0	4,198
Grading	4.3	45.2	35.9	0.1	3.2	2.3	5,675	1.0	0.0	5,695
Building Construction	5.5	35.6	50.2	0.1	6.0	2.9	8,051	0.8	0.0	8,069
Architectural Coating	15.1	2.6	5.7	0.0	0.9	0.4	994	0.1	0.0	995
Paving	1.3	12.7	13.0	0.0	0.9	0.7	1,990	0.6	0.0	2,002
<b>Maximum</b>	<b>20.6</b>	<b>51.9</b>	<b>55.9</b>	<b>0.1</b>	<b>7.4</b>	<b>5.1</b>	<b>9,045</b>	<b>1.2</b>	<b>0.0</b>	<b>9,064</b>

<b>Table 4</b>										
<b>Annual and Total Project Emissions (TPY or Metric TPY for GHGs)</b>										
<b>15.6-Month Default Construction Phasing Schedule</b>										
	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>CO<sub>2</sub></b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>	<b>CO<sub>2</sub>e</b>
Demolition	0.09	1.00	0.81	0.00	0.07	0.05	97.0	0.02	0.00	97.4
Site Preparation	0.01	0.13	0.10	0.00	0.03	0.02	9.4	0.00	0.00	9.5
Grading	0.11	1.15	0.90	0.00	0.09	0.06	155.6	0.02	0.00	156.0
Building Construction <sup>a</sup>	0.59	3.94	5.31	0.01	0.66	0.32	808.48	0.09	0.00	810.3
Architectural Coating <sup>a</sup>	3.28	0.29	0.62	0.00	0.10	0.04	97.88	0.01	0.00	98.0
Paving	0.01	0.13	0.12	0.00	0.01	0.01	16.4	0.00	0.00	16.5
<b>Total 2017</b>	<b>3.05</b>	<b>5.46</b>	<b>6.23</b>	<b>0.01</b>	<b>0.75</b>	<b>0.39</b>	<b>928.3</b>	<b>0.11</b>	<b>0.00</b>	<b>930.7</b>
<b>Total 2018</b>	<b>1.04</b>	<b>1.17</b>	<b>1.63</b>	<b>0.00</b>	<b>0.21</b>	<b>0.10</b>	<b>256.4</b>	<b>0.03</b>	<b>0.00</b>	<b>257.1</b>
<b>Total Project</b>	<b>4.09</b>	<b>6.63</b>	<b>7.86</b>	<b>0.01</b>	<b>0.96</b>	<b>0.49</b>	<b>1,184.8</b>	<b>0.14</b>	<b>0.00</b>	<b>1,187.8</b>

a. This phase occurs in both 2017 and 2018.

<b>Table 5</b>										
<b>Annual and Total Project Emissions (TPY or Metric TPY for GHGs)</b>										
<b>30-Month Extended Construction Phasing Schedule</b>										
	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>CO<sub>2</sub></b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>	<b>CO<sub>2</sub>e</b>
Demolition	0.18	1.85	1.50	0.00	0.12	0.09	172.6	0.04	0.00	173.5
Site Preparation	0.02	0.23	0.18	0.00	0.03	0.02	17.0	0.01	0.00	17.1
Grading	0.18	1.87	1.42	0.00	0.13	0.10	213.2	0.04	0.00	213.9
Building Construction <sup>a</sup>	1.03	6.95	9.70	0.02	1.23	0.57	1,525.9	0.16	0.00	1,529.3
Architectural Coating <sup>a</sup>	3.33	0.52	1.12	0.00	0.19	0.07	184.4	0.01	0.00	184.7
Paving	0.02	0.22	0.23	0.00	0.02	0.01	31.4	0.01	0.00	31.6
<b>Total 2017</b>	<b>1.23</b>	<b>5.55</b>	<b>5.31</b>	<b>0.01</b>	<b>0.57</b>	<b>0.34</b>	<b>735.9</b>	<b>0.12</b>	<b>0.00</b>	<b>738.4</b>
<b>Total 2018</b>	<b>2.57</b>	<b>4.40</b>	<b>6.38</b>	<b>0.01</b>	<b>0.84</b>	<b>0.38</b>	<b>1,010.4</b>	<b>0.10</b>	<b>0.00</b>	<b>1,012.5</b>
<b>Total 2019</b>	<b>0.95</b>	<b>1.70</b>	<b>2.47</b>	<b>0.01</b>	<b>0.31</b>	<b>0.14</b>	<b>398.2</b>	<b>0.05</b>	<b>0.00</b>	<b>399.2</b>
<b>Total Project</b>	<b>4.75</b>	<b>11.65</b>	<b>14.16</b>	<b>0.03</b>	<b>1.72</b>	<b>0.87</b>	<b>2,144.5</b>	<b>0.27</b>	<b>0.00</b>	<b>2,150.1</b>

a. This phase occurs in 2017, 2018, and 2019.



## Significance of Construction Emissions

The BAAQMD adopted CEQA thresholds of significance on June 2, 2010. On March 5, 2012, the Alameda County Superior Court issued a judgment finding that the Air District had failed to comply with CEQA when it adopted those thresholds. The Court did not determine whether the thresholds were valid on the merits, but found that the adoption of the thresholds was a project under CEQA. The court issued a writ of mandate ordering the BAAQMD to set aside the thresholds and cease dissemination of them until the BAAQMD had complied with CEQA.

The BAAQMD appealed the decision, and The Court of Appeal of the State of California, First Appellate District, reversed the trial court's decision. The Court of Appeal's decision was appealed to the California Supreme Court, which granted limited review, and as of the date of this memo, the matter is currently pending there.

In view of the trial court's order, which remains in place pending final resolution of the case, the BAAQMD is no longer recommending that the June 2, 2010 thresholds be relied upon. Rather, Lead Agencies must determine their own appropriate air quality thresholds of significance based on substantial evidence in the record. However, it is noted that based on the mitigation applied (see Table 1), and the daily emission rates of ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>, the W12 project would not have exceeded the BAAQMD's June 2, 2010 thresholds of significance pertaining to construction emissions that were set aside.

According to the BAAQMD, Lead Agencies may continue to rely on the Air District's 1999 thresholds of significance, and they may continue to make determinations regarding the significance of an individual project's air quality impacts based on the substantial evidence in the record for that project. For determining the significance of construction emissions, BAAQMD's 1999 CEQA guidance sets forth the following threshold:

*If all of the control measures indicated in Table 2<sup>6</sup> (as appropriate, depending on the size of the project area) will be implemented, then air pollutant emissions from construction activities would be considered a less than significant impact.*

In reviewing the Basic Construction Mitigation Measures shown in Table 1 of this memo, which will be applied to the project, it is considered that they are equivalent to the measures listed in Table 2 of the BAAQMD's 1999 CEQA Guidelines that can be appropriately applied to a project with a site area of 75,000 sq. ft. (1.25 city blocks).

For the W12 project, the primary construction-phase air quality impact of concern would be the potential for temporary, localized exceedances of ambient air quality standards (AAQSs), primarily due to emissions of fugitive dust. Other air districts have adopted mass-based screening thresholds coupled with mitigation requirements for assessing this impact. For example, in the Sacramento Metropolitan Air Quality Management District (SMAQMD):

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<sup>6</sup> Referring to Table 2 of the *BAAQMD CEQA Guidelines*, December 1999, available at: <http://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqaguid.pdf?la=en>

*Construction of a project that does not exceed the screening level, meets all the screening parameters in Section 3.3.1, and implements the District's Basic Construction Emission Control Practices (also known as Best Management Practices (BMPs)) will be considered to have a less-than-significant impact on air quality.<sup>7</sup>*

Similarly, in the San Joaquin Valley Air Pollution Control District (SJVAPCD), for project construction emissions:

*The District recommends that an ambient air quality analysis be performed when emissions of any criteria pollutant related to construction activities exceed the 100 pounds per day screening level, after compliance with Rule 9510 requirements and implementation of all enforceable mitigation measures.<sup>8</sup>*

While the construction mitigation measures that will be applied to the W12 project (shown in Table 1) may differ slightly from basic construction mitigation measures in other air districts, the concept of using best management practices (BMPs) during construction is the same. After application of BMPs, the W12 project would not exceed the screening levels of either the SMAQMD or SJVAPCD, and therefore would not cause an exceedance of an AAQS.

Based on all of the above, impacts of the W12 project's construction emissions are less than significant.

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<sup>7</sup> SMAQMD *Guide to Air Quality Assessment in Sacramento County*, Revised March 2016, p. 3-7. On p. 3-4, SMAQMD identifies the screening level as a 35-acre project size. This size, in conjunction with the additional screening parameters, is used to estimate whether the construction NO<sub>x</sub> threshold of 85 lbs/day would be exceeded. If 85 lbs/day NO<sub>x</sub> is not exceeded, the qualitative threshold based on the application of BMPs may be applied.

<sup>8</sup> SJVAPCD, *Guidance for Assessing and Mitigation Air Quality Impacts*, March 19, 2015, p. 96.

**Attachment**

**CalEEMod Output Reports**

## **Default 15.6-Month Construction Phasing Schedule**

**Webster & 12th Construction - 15.6 Months**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	58.38	1000sqft	1.34	58,385.00	0
Enclosed Parking with Elevator	317.00	Space	0.00	126,800.00	0
Apartments Mid Rise	416.00	Dwelling Unit	1.72	300,330.00	1190
Strip Mall	25.05	1000sqft	0.00	25,050.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2014
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Project Characteristics -

## Land Use - Project Specifications

Construction Phase - Demolition, Grading, and Architectual Coating Phases increased to 60 calendar days.

## Demolition -

## Grading - Project Specifications

Architectural Coating - Corrects known error where parking lot is treated as Non-Residential space coated at twice the floor area. Parking lot coating reduced to 6% of area per Appendix E, or 9,999 sq. ft.

Construction Off-road Equipment Mitigation - From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for "Local streets" implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	43.00
tblConstructionPhase	PhaseEndDate	2/12/2019	3/27/2018
tblConstructionPhase	PhaseEndDate	4/20/2018	4/22/2018
tblConstructionPhase	PhaseStartDate	3/28/2018	5/10/2017
tblGrading	MaterialExported	0.00	22,222.00
tblGrading	MaterialImported	0.00	8,333.00
tblLandUse	LandUseSquareFeet	58,380.00	58,385.00
tblLandUse	LandUseSquareFeet	416,000.00	300,330.00
tblLandUse	LotAcreage	2.85	0.00
tblLandUse	LotAcreage	10.95	1.72
tblLandUse	LotAcreage	0.58	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,778.00

## 2.0 Emissions Summary

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

### 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	1/1/2017	3/2/2017	5	44	
2	Site Preparation	Site Preparation	3/3/2017	3/9/2017	5	5	
3	Grading	Grading	3/10/2017	5/9/2017	5	43	
4	Building Construction	Building Construction	5/10/2017	3/27/2018	5	230	
5	Architectural Coating	Architectural Coating	5/10/2017	3/27/2018	5	230	
6	Paving	Paving	3/28/2018	4/22/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 608,168; Residential Outdoor: 202,723; Non-Residential Indoor: 315,353; Non-Residential Outdoor: 105,118 (Architectural Coating – sqft)

#### 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	2	8.00	255	0.40
Demolition	Excavators	3	8.00	162	0.38
Grading	Excavators	1	8.00	162	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	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	6	15.00	0.00	409.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	2,778.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	379.00	79.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	12.40	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					2.0135	0.0000	2.0135	0.3049	0.0000	0.3049			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>2.0135</b>	<b>2.1252</b>	<b>4.1387</b>	<b>0.3049</b>	<b>1.9797</b>	<b>2.2846</b>		<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>

### 3.2 Demolition - 2017

#### 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	0.1862	2.4046	1.8443	6.9700e-003	0.1620	0.0319	0.1939	0.0444	0.0293	0.0737		691.6457	691.6457	5.0000e-003		691.7506
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>0.2405</b>	<b>2.4698</b>	<b>2.6054</b>	<b>8.7100e-003</b>	<b>0.3034</b>	<b>0.0330</b>	<b>0.3364</b>	<b>0.0819</b>	<b>0.0303</b>	<b>0.1122</b>		<b>832.3015</b>	<b>832.3015</b>	<b>0.0119</b>		<b>832.5502</b>

#### 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					0.9061	0.0000	0.9061	0.1372	0.0000	0.1372			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>0.9061</b>	<b>2.1252</b>	<b>3.0313</b>	<b>0.1372</b>	<b>1.9797</b>	<b>2.1169</b>	<b>0.0000</b>	<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>

### 3.2 Demolition - 2017

#### 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	0.1862	2.4046	1.8443	6.9700e-003	0.1620	0.0319	0.1939	0.0444	0.0293	0.0737		691.6457	691.6457	5.0000e-003		691.7506
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>0.2405</b>	<b>2.4698</b>	<b>2.6054</b>	<b>8.7100e-003</b>	<b>0.3034</b>	<b>0.0330</b>	<b>0.3364</b>	<b>0.0819</b>	<b>0.0303</b>	<b>0.1122</b>		<b>832.3015</b>	<b>832.3015</b>	<b>0.0119</b>		<b>832.5502</b>

### 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>18.0663</b>	<b>2.7542</b>	<b>20.8205</b>	<b>9.9307</b>	<b>2.5339</b>	<b>12.4646</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0652	0.0783	0.9133	2.0900e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		168.7869	168.7869	8.2200e-003			168.9595
<b>Total</b>	<b>0.0652</b>	<b>0.0783</b>	<b>0.9133</b>	<b>2.0900e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>168.7869</b>	<b>168.7869</b>	<b>8.2200e-003</b>			<b>168.9595</b>

#### 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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000	
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>8.1298</b>	<b>2.7542</b>	<b>10.8840</b>	<b>4.4688</b>	<b>2.5339</b>	<b>7.0027</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>			<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0652	0.0783	0.9133	2.0900e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		168.7869	168.7869	8.2200e-003		168.9595
<b>Total</b>	<b>0.0652</b>	<b>0.0783</b>	<b>0.9133</b>	<b>2.0900e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>168.7869</b>	<b>168.7869</b>	<b>8.2200e-003</b>		<b>168.9595</b>

### 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					1.2994	0.0000	1.2994	0.6387	0.0000	0.6387			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>1.2994</b>	<b>2.0388</b>	<b>3.3382</b>	<b>0.6387</b>	<b>1.8757</b>	<b>2.5144</b>		<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	1.2939	16.7124	12.8181	0.0485	1.1257	0.2217	1.3474	0.3082	0.2039	0.5121		4,807.0300	4,807.0300	0.0347		4,807.7593
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>1.3483</b>	<b>16.7776</b>	<b>13.5792</b>	<b>0.0502</b>	<b>1.2671</b>	<b>0.2228</b>	<b>1.4900</b>	<b>0.3458</b>	<b>0.2049</b>	<b>0.5507</b>		<b>4,947.6858</b>	<b>4,947.6858</b>	<b>0.0416</b>		<b>4,948.5589</b>

#### 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					0.5847	0.0000	0.5847	0.2874	0.0000	0.2874			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>0.5847</b>	<b>2.0388</b>	<b>2.6235</b>	<b>0.2874</b>	<b>1.8757</b>	<b>2.1631</b>	<b>0.0000</b>	<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	1.2939	16.7124	12.8181	0.0485	1.1257	0.2217	1.3474	0.3082	0.2039	0.5121		4,807.0300	4,807.0300	0.0347		4,807.7593
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>1.3483</b>	<b>16.7776</b>	<b>13.5792</b>	<b>0.0502</b>	<b>1.2671</b>	<b>0.2228</b>	<b>1.4900</b>	<b>0.3458</b>	<b>0.2049</b>	<b>0.5507</b>		<b>4,947.6858</b>	<b>4,947.6858</b>	<b>0.0416</b>		<b>4,948.5589</b>

### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>



### 3.5 Building Construction - 2017

#### 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	0.8122	6.8628	8.4609	0.0188	0.5252	0.1017	0.6269	0.1500	0.0935	0.2435		1,857.4430	1,857.4430	0.0142			1,857.7411
Worker	1.3731	1.6480	19.2296	0.0440	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,553.9026	3,553.9026	0.1730			3,557.5366
<b>Total</b>	<b>2.1853</b>	<b>8.5108</b>	<b>27.6905</b>	<b>0.0628</b>	<b>4.0993</b>	<b>0.1291</b>	<b>4.2284</b>	<b>1.0979</b>	<b>0.1187</b>	<b>1.2166</b>		<b>5,411.3456</b>	<b>5,411.3456</b>	<b>0.1872</b>			<b>5,415.2777</b>

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>			<b>2,653.4490</b>

### 3.5 Building Construction - 2017

#### 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	0.8122	6.8628	8.4609	0.0188	0.5252	0.1017	0.6269	0.1500	0.0935	0.2435		1,857.4430	1,857.4430	0.0142			1,857.7411
Worker	1.3731	1.6480	19.2296	0.0440	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,553.9026	3,553.9026	0.1730			3,557.5366
<b>Total</b>	<b>2.1853</b>	<b>8.5108</b>	<b>27.6905</b>	<b>0.0628</b>	<b>4.0993</b>	<b>0.1291</b>	<b>4.2284</b>	<b>1.0979</b>	<b>0.1187</b>	<b>1.2166</b>		<b>5,411.3456</b>	<b>5,411.3456</b>	<b>0.1872</b>			<b>5,415.2777</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>		<b>2,609.9390</b>	<b>2,609.9390</b>	<b>0.6387</b>			<b>2,623.3517</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.7269	6.2178	7.7014	0.0188	0.5251	0.0942	0.6193	0.1499	0.0866	0.2366		1,824.821 3	1,824.821 3	0.0139			1,825.1140
Worker	1.2329	1.4838	17.2848	0.0440	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,422.373 4	3,422.373 4	0.1591			3,425.715 0
<b>Total</b>	<b>1.9598</b>	<b>7.7016</b>	<b>24.9861</b>	<b>0.0627</b>	<b>4.0992</b>	<b>0.1207</b>	<b>4.2199</b>	<b>1.0979</b>	<b>0.1111</b>	<b>1.2089</b>		<b>5,247.194 6</b>	<b>5,247.194 6</b>	<b>0.1731</b>			<b>5,250.829 0</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.938 9	2,609.938 9	0.6387			2,623.351 7
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>	<b>0.0000</b>	<b>2,609.938 9</b>	<b>2,609.938 9</b>	<b>0.6387</b>			<b>2,623.351 7</b>

### 3.5 Building Construction - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.7269	6.2178	7.7014	0.0188	0.5251	0.0942	0.6193	0.1499	0.0866	0.2366		1,824.821 3	1,824.821 3	0.0139			1,825.1140
Worker	1.2329	1.4838	17.2848	0.0440	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,422.373 4	3,422.373 4	0.1591			3,425.715 0
<b>Total</b>	<b>1.9598</b>	<b>7.7016</b>	<b>24.9861</b>	<b>0.0627</b>	<b>4.0992</b>	<b>0.1207</b>	<b>4.2199</b>	<b>1.0979</b>	<b>0.1111</b>	<b>1.2089</b>		<b>5,247.194 6</b>	<b>5,247.194 6</b>	<b>0.1731</b>			<b>5,250.829 0</b>

### 3.6 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	27.9165					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			282.0721
<b>Total</b>	<b>28.2488</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2754	0.3305	3.8561	8.8200e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		712.6559	712.6559	0.0347			713.3846
<b>Total</b>	<b>0.2754</b>	<b>0.3305</b>	<b>3.8561</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>712.6559</b>	<b>712.6559</b>	<b>0.0347</b>			<b>713.3846</b>

#### 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	27.9165					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			282.0721
<b>Total</b>	<b>28.2488</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2754	0.3305	3.8561	8.8200e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		712.6559	712.6559	0.0347		713.3846
<b>Total</b>	<b>0.2754</b>	<b>0.3305</b>	<b>3.8561</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>712.6559</b>	<b>712.6559</b>	<b>0.0347</b>		<b>713.3846</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.9165					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>28.2151</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2472	0.2975	3.4661	8.8200e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		686.2807	686.2807	0.0319		686.9508
<b>Total</b>	<b>0.2472</b>	<b>0.2975</b>	<b>3.4661</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>686.2807</b>	<b>686.2807</b>	<b>0.0319</b>		<b>686.9508</b>

#### 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	27.9165					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>28.2151</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2472	0.2975	3.4661	8.8200e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		686.2807	686.2807	0.0319			686.9508
<b>Total</b>	<b>0.2472</b>	<b>0.2975</b>	<b>3.4661</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>686.2807</b>	<b>686.2807</b>	<b>0.0319</b>			<b>686.9508</b>

### 3.7 Paving - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.4060</b>	<b>14.3192</b>	<b>12.2631</b>	<b>0.0187</b>		<b>0.8272</b>	<b>0.8272</b>		<b>0.7628</b>	<b>0.7628</b>		<b>1,845.0348</b>	<b>1,845.0348</b>	<b>0.5587</b>			<b>1,856.7667</b>



### 3.7 Paving - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.0651	0.0783	0.9121	2.3200e-003	0.1886	1.4000e-003	0.1900	0.0500	1.2900e-003	0.0513		180.6002	180.6002	8.4000e-003			180.7765
<b>Total</b>	<b>0.0651</b>	<b>0.0783</b>	<b>0.9121</b>	<b>2.3200e-003</b>	<b>0.1886</b>	<b>1.4000e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2900e-003</b>	<b>0.0513</b>		<b>180.6002</b>	<b>180.6002</b>	<b>8.4000e-003</b>			<b>180.7765</b>

#### 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	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628	0.0000	1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.4060</b>	<b>14.3192</b>	<b>12.2631</b>	<b>0.0187</b>		<b>0.8272</b>	<b>0.8272</b>		<b>0.7628</b>	<b>0.7628</b>	<b>0.0000</b>	<b>1,845.0348</b>	<b>1,845.0348</b>	<b>0.5587</b>			<b>1,856.7667</b>

### 3.7 Paving - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0651	0.0783	0.9121	2.3200e-003	0.1886	1.4000e-003	0.1900	0.0500	1.2900e-003	0.0513		180.6002	180.6002	8.4000e-003		180.7765
<b>Total</b>	<b>0.0651</b>	<b>0.0783</b>	<b>0.9121</b>	<b>2.3200e-003</b>	<b>0.1886</b>	<b>1.4000e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2900e-003</b>	<b>0.0513</b>		<b>180.6002</b>	<b>180.6002</b>	<b>8.4000e-003</b>		<b>180.7765</b>

### 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	20.2384	41.9700	189.3043	0.3071	21.0068	0.6409	21.6477	5.6191	0.5879	6.2070		28,365.9907	28,365.9907	1.3633		28,394.6199
Unmitigated	20.2384	41.9700	189.3043	0.3071	21.0068	0.6409	21.6477	5.6191	0.5879	6.2070		28,365.9907	28,365.9907	1.3633		28,394.6199

**Webster & 12th Construction - 15.6 Months**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	58.38	1000sqft	1.34	58,385.00	0
Enclosed Parking with Elevator	317.00	Space	0.00	126,800.00	0
Apartments Mid Rise	416.00	Dwelling Unit	1.72	300,330.00	1190
Strip Mall	25.05	1000sqft	0.00	25,050.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2014
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Project Characteristics -

## Land Use - Project Specifications

Construction Phase - Demolition, Grading, and Architectual Coating Phases increased to 60 calendar days.

## Demolition -

## Grading - Project Specifications

Architectural Coating - Corrects known error where parking lot is treated as Non-Residential space coated at twice the floor area. Parking lot coating reduced to 6% of area per Appendix E, or 9,999 sq. ft.

Construction Off-road Equipment Mitigation - From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for "Local streets" implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	43.00
tblConstructionPhase	PhaseEndDate	2/12/2019	3/27/2018
tblConstructionPhase	PhaseEndDate	4/20/2018	4/22/2018
tblConstructionPhase	PhaseStartDate	3/28/2018	5/10/2017
tblGrading	MaterialExported	0.00	22,222.00
tblGrading	MaterialImported	0.00	8,333.00
tblLandUse	LandUseSquareFeet	58,380.00	58,385.00
tblLandUse	LandUseSquareFeet	416,000.00	300,330.00
tblLandUse	LotAcreage	2.85	0.00
tblLandUse	LotAcreage	10.95	1.72
tblLandUse	LotAcreage	0.58	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,778.00

## 2.0 Emissions Summary

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

### 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	1/1/2017	3/2/2017	5	44	
2	Site Preparation	Site Preparation	3/3/2017	3/9/2017	5	5	
3	Grading	Grading	3/10/2017	5/9/2017	5	43	
4	Building Construction	Building Construction	5/10/2017	3/27/2018	5	230	
5	Architectural Coating	Architectural Coating	5/10/2017	3/27/2018	5	230	
6	Paving	Paving	3/28/2018	4/22/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 608,168; Residential Outdoor: 202,723; Non-Residential Indoor: 315,353; Non-Residential Outdoor: 105,118 (Architectural Coating – sqft)

#### 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	2	8.00	255	0.40
Demolition	Excavators	3	8.00	162	0.38
Grading	Excavators	1	8.00	162	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	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	6	15.00	0.00	409.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	2,778.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	379.00	79.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	12.40	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					2.0135	0.0000	2.0135	0.3049	0.0000	0.3049			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>2.0135</b>	<b>2.1252</b>	<b>4.1387</b>	<b>0.3049</b>	<b>1.9797</b>	<b>2.2846</b>		<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>



### 3.2 Demolition - 2017

#### 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	0.2215	2.5344	2.7105	6.9700e-003	0.1620	0.0320	0.1940	0.0444	0.0294	0.0738		690.0284	690.0284	5.0600e-003		690.1347
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>0.2756</b>	<b>2.6151</b>	<b>3.4478</b>	<b>8.5800e-003</b>	<b>0.3034</b>	<b>0.0331</b>	<b>0.3365</b>	<b>0.0819</b>	<b>0.0304</b>	<b>0.1123</b>		<b>819.7931</b>	<b>819.7931</b>	<b>0.0119</b>		<b>820.0432</b>

#### 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					0.9061	0.0000	0.9061	0.1372	0.0000	0.1372			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>0.9061</b>	<b>2.1252</b>	<b>3.0313</b>	<b>0.1372</b>	<b>1.9797</b>	<b>2.1169</b>	<b>0.0000</b>	<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>

### 3.2 Demolition - 2017

#### 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	0.2215	2.5344	2.7105	6.9700e-003	0.1620	0.0320	0.1940	0.0444	0.0294	0.0738		690.0284	690.0284	5.0600e-003		690.1347
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>0.2756</b>	<b>2.6151</b>	<b>3.4478</b>	<b>8.5800e-003</b>	<b>0.3034</b>	<b>0.0331</b>	<b>0.3365</b>	<b>0.0819</b>	<b>0.0304</b>	<b>0.1123</b>		<b>819.7931</b>	<b>819.7931</b>	<b>0.0119</b>		<b>820.0432</b>

### 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>18.0663</b>	<b>2.7542</b>	<b>20.8205</b>	<b>9.9307</b>	<b>2.5339</b>	<b>12.4646</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

**3.3 Site Preparation - 2017****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	0.0650	0.0969	0.8848	1.9300e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		155.7176	155.7176	8.2200e-003		155.8902
<b>Total</b>	<b>0.0650</b>	<b>0.0969</b>	<b>0.8848</b>	<b>1.9300e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>155.7176</b>	<b>155.7176</b>	<b>8.2200e-003</b>		<b>155.8902</b>

**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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>8.1298</b>	<b>2.7542</b>	<b>10.8840</b>	<b>4.4688</b>	<b>2.5339</b>	<b>7.0027</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0650	0.0969	0.8848	1.9300e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		155.7176	155.7176	8.2200e-003		155.8902
<b>Total</b>	<b>0.0650</b>	<b>0.0969</b>	<b>0.8848</b>	<b>1.9300e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>155.7176</b>	<b>155.7176</b>	<b>8.2200e-003</b>		<b>155.8902</b>

### 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					1.2994	0.0000	1.2994	0.6387	0.0000	0.6387			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>1.2994</b>	<b>2.0388</b>	<b>3.3382</b>	<b>0.6387</b>	<b>1.8757</b>	<b>2.5144</b>		<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	1.5393	17.6142	18.8381	0.0484	1.1257	0.2223	1.3480	0.3082	0.2045	0.5127		4,795.7896	4,795.7896	0.0352		4,796.5286
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>1.5935</b>	<b>17.6949</b>	<b>19.5755</b>	<b>0.0500</b>	<b>1.2671</b>	<b>0.2234</b>	<b>1.4906</b>	<b>0.3458</b>	<b>0.2055</b>	<b>0.5512</b>		<b>4,925.5542</b>	<b>4,925.5542</b>	<b>0.0420</b>		<b>4,926.4371</b>

#### 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					0.5847	0.0000	0.5847	0.2874	0.0000	0.2874			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>0.5847</b>	<b>2.0388</b>	<b>2.6235</b>	<b>0.2874</b>	<b>1.8757</b>	<b>2.1631</b>	<b>0.0000</b>	<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	1.5393	17.6142	18.8381	0.0484	1.1257	0.2223	1.3480	0.3082	0.2045	0.5127		4,795.7896	4,795.7896	0.0352		4,796.5286
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>1.5935</b>	<b>17.6949</b>	<b>19.5755</b>	<b>0.0500</b>	<b>1.2671</b>	<b>0.2234</b>	<b>1.4906</b>	<b>0.3458</b>	<b>0.2055</b>	<b>0.5512</b>		<b>4,925.5542</b>	<b>4,925.5542</b>	<b>0.0420</b>		<b>4,926.4371</b>

### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

### 3.5 Building Construction - 2017

#### 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	1.0228	7.1826	13.4250	0.0188	0.5252	0.1028	0.6280	0.1500	0.0945	0.2444		1,843.194 2	1,843.194 2	0.0146			1,843.500 1
Worker	1.3681	2.0396	18.6295	0.0406	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,278.720 4	3,278.720 4	0.1730			3,282.354 3
<b>Total</b>	<b>2.3909</b>	<b>9.2222</b>	<b>32.0545</b>	<b>0.0593</b>	<b>4.0993</b>	<b>0.1301</b>	<b>4.2294</b>	<b>1.0979</b>	<b>0.1197</b>	<b>1.2176</b>		<b>5,121.914 6</b>	<b>5,121.914 6</b>	<b>0.1876</b>			<b>5,125.854 4</b>

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.805 3</b>	<b>2,639.805 3</b>	<b>0.6497</b>			<b>2,653.449 0</b>

### 3.5 Building Construction - 2017

#### 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	1.0228	7.1826	13.4250	0.0188	0.5252	0.1028	0.6280	0.1500	0.0945	0.2444		1,843.194 2	1,843.194 2	0.0146			1,843.500 1
Worker	1.3681	2.0396	18.6295	0.0406	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,278.720 4	3,278.720 4	0.1730			3,282.354 3
<b>Total</b>	<b>2.3909</b>	<b>9.2222</b>	<b>32.0545</b>	<b>0.0593</b>	<b>4.0993</b>	<b>0.1301</b>	<b>4.2294</b>	<b>1.0979</b>	<b>0.1197</b>	<b>1.2176</b>		<b>5,121.914 6</b>	<b>5,121.914 6</b>	<b>0.1876</b>			<b>5,125.854 4</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>		<b>2,609.939 0</b>	<b>2,609.939 0</b>	<b>0.6387</b>			<b>2,623.351 7</b>



### 3.5 Building Construction - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.9001	6.5048	12.6305	0.0187	0.5251	0.0951	0.6203	0.1499	0.0875	0.2374		1,810.7827	1,810.7827	0.0143			1,811.0834
Worker	1.2174	1.8369	16.5966	0.0405	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,157.0484	3,157.0484	0.1591			3,160.3901
<b>Total</b>	<b>2.1175</b>	<b>8.3417</b>	<b>29.2271</b>	<b>0.0592</b>	<b>4.0992</b>	<b>0.1216</b>	<b>4.2208</b>	<b>1.0979</b>	<b>0.1119</b>	<b>1.2098</b>		<b>4,967.8311</b>	<b>4,967.8311</b>	<b>0.1735</b>			<b>4,971.4735</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>	<b>0.0000</b>	<b>2,609.9389</b>	<b>2,609.9389</b>	<b>0.6387</b>			<b>2,623.3517</b>

### 3.5 Building Construction - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.9001	6.5048	12.6305	0.0187	0.5251	0.0951	0.6203	0.1499	0.0875	0.2374		1,810.7827	1,810.7827	0.0143			1,811.0834
Worker	1.2174	1.8369	16.5966	0.0405	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,157.0484	3,157.0484	0.1591			3,160.3901
<b>Total</b>	<b>2.1175</b>	<b>8.3417</b>	<b>29.2271</b>	<b>0.0592</b>	<b>4.0992</b>	<b>0.1216</b>	<b>4.2208</b>	<b>1.0979</b>	<b>0.1119</b>	<b>1.2098</b>		<b>4,967.8311</b>	<b>4,967.8311</b>	<b>0.1735</b>			<b>4,971.4735</b>

### 3.6 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	27.9165					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			282.0721
<b>Total</b>	<b>28.2488</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2744	0.4090	3.7357	8.1300e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		657.4743	657.4743	0.0347			658.2030
<b>Total</b>	<b>0.2744</b>	<b>0.4090</b>	<b>3.7357</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>657.4743</b>	<b>657.4743</b>	<b>0.0347</b>			<b>658.2030</b>

#### 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	27.9165					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			282.0721
<b>Total</b>	<b>28.2488</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2744	0.4090	3.7357	8.1300e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		657.4743	657.4743	0.0347			658.2030
<b>Total</b>	<b>0.2744</b>	<b>0.4090</b>	<b>3.7357</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>657.4743</b>	<b>657.4743</b>	<b>0.0347</b>			<b>658.2030</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	27.9165					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>28.2151</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2441	0.3684	3.3281	8.1300e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		633.0757	633.0757	0.0319			633.7458
<b>Total</b>	<b>0.2441</b>	<b>0.3684</b>	<b>3.3281</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>633.0757</b>	<b>633.0757</b>	<b>0.0319</b>			<b>633.7458</b>

#### 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	27.9165					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>28.2151</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2441	0.3684	3.3281	8.1300e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		633.0757	633.0757	0.0319			633.7458
<b>Total</b>	<b>0.2441</b>	<b>0.3684</b>	<b>3.3281</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>633.0757</b>	<b>633.0757</b>	<b>0.0319</b>			<b>633.7458</b>

### 3.7 Paving - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628		1,845.0348	1,845.0348	0.5587			1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.4060</b>	<b>14.3192</b>	<b>12.2631</b>	<b>0.0187</b>		<b>0.8272</b>	<b>0.8272</b>		<b>0.7628</b>	<b>0.7628</b>		<b>1,845.0348</b>	<b>1,845.0348</b>	<b>0.5587</b>			<b>1,856.7667</b>

### 3.7 Paving - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0642	0.0969	0.8758	2.1400e-003	0.1886	1.4000e-003	0.1900	0.0500	1.2900e-003	0.0513		166.5989	166.5989	8.4000e-003		166.7752
<b>Total</b>	<b>0.0642</b>	<b>0.0969</b>	<b>0.8758</b>	<b>2.1400e-003</b>	<b>0.1886</b>	<b>1.4000e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2900e-003</b>	<b>0.0513</b>		<b>166.5989</b>	<b>166.5989</b>	<b>8.4000e-003</b>		<b>166.7752</b>

#### 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	1.4060	14.3192	12.2631	0.0187		0.8272	0.8272		0.7628	0.7628	0.0000	1,845.0348	1,845.0348	0.5587		1,856.7667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4060</b>	<b>14.3192</b>	<b>12.2631</b>	<b>0.0187</b>		<b>0.8272</b>	<b>0.8272</b>		<b>0.7628</b>	<b>0.7628</b>	<b>0.0000</b>	<b>1,845.0348</b>	<b>1,845.0348</b>	<b>0.5587</b>		<b>1,856.7667</b>

### 3.7 Paving - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0642	0.0969	0.8758	2.1400e-003	0.1886	1.4000e-003	0.1900	0.0500	1.2900e-003	0.0513		166.5989	166.5989	8.4000e-003		166.7752
<b>Total</b>	<b>0.0642</b>	<b>0.0969</b>	<b>0.8758</b>	<b>2.1400e-003</b>	<b>0.1886</b>	<b>1.4000e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2900e-003</b>	<b>0.0513</b>		<b>166.5989</b>	<b>166.5989</b>	<b>8.4000e-003</b>		<b>166.7752</b>

### 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	21.6261	46.6487	215.9693	0.2886	21.0068	0.6470	21.6538	5.6191	0.5935	6.2126		26,643.3740	26,643.3740	1.3644		26,672.0254
Unmitigated	21.6261	46.6487	215.9693	0.2886	21.0068	0.6470	21.6538	5.6191	0.5935	6.2126		26,643.3740	26,643.3740	1.3644		26,672.0254



**Webster & 12th Construction - 15.6 Months**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	58.38	1000sqft	1.34	58,385.00	0
Enclosed Parking with Elevator	317.00	Space	0.00	126,800.00	0
Apartments Mid Rise	416.00	Dwelling Unit	1.72	300,330.00	1190
Strip Mall	25.05	1000sqft	0.00	25,050.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2014
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Project Characteristics -

## Land Use - Project Specifications

Construction Phase - Demolition, Grading, and Architectural Coating Phases increased to 60 calendar days.

## Demolition -

## Grading - Project Specifications

Architectural Coating - Corrects known error where parking lot is treated as Non-Residential space coated at twice the floor area. Parking lot coating reduced to 6% of area per Appendix E, or 9,999 sq. ft.

Construction Off-road Equipment Mitigation - From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for "Local streets" implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	43.00
tblConstructionPhase	PhaseEndDate	2/12/2019	3/27/2018
tblConstructionPhase	PhaseEndDate	4/20/2018	4/22/2018
tblConstructionPhase	PhaseStartDate	3/28/2018	5/10/2017
tblGrading	MaterialExported	0.00	22,222.00
tblGrading	MaterialImported	0.00	8,333.00
tblLandUse	LandUseSquareFeet	58,380.00	58,385.00
tblLandUse	LandUseSquareFeet	416,000.00	300,330.00
tblLandUse	LotAcreage	2.85	0.00
tblLandUse	LotAcreage	10.95	1.72
tblLandUse	LotAcreage	0.58	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,778.00

## 2.0 Emissions Summary

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## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.7815	0.0490	3.9950	1.7500e-003		0.1436	0.1436		0.1436	0.1436	14.7866	16.0524	30.8390	0.0553	5.7000e-004	32.1771
Energy	0.0269	0.2337	0.1260	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	1,272.6834	1,272.6834	0.0506	0.0143	1,278.1780
Mobile	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.6211	3,962.6211	0.2014	0.0000	3,966.8501
Waste						0.0000	0.0000		0.0000	0.0000	55.2034	0.0000	55.2034	3.2624	0.0000	123.7144
Water						0.0000	0.0000		0.0000	0.0000	12.4794	86.9505	99.4299	1.2855	0.0310	136.0437
<b>Total</b>	<b>6.0500</b>	<b>7.5785</b>	<b>36.1906</b>	<b>0.0505</b>	<b>3.2935</b>	<b>0.2669</b>	<b>3.5603</b>	<b>0.8838</b>	<b>0.2582</b>	<b>1.1420</b>	<b>82.4694</b>	<b>5,338.3074</b>	<b>5,420.7768</b>	<b>4.8552</b>	<b>0.0459</b>	<b>5,536.9632</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	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	1/1/2017	3/2/2017	5	44	
2	Site Preparation	Site Preparation	3/3/2017	3/9/2017	5	5	
3	Grading	Grading	3/10/2017	5/9/2017	5	43	
4	Building Construction	Building Construction	5/10/2017	3/27/2018	5	230	
5	Architectural Coating	Architectural Coating	5/10/2017	3/27/2018	5	230	
6	Paving	Paving	3/28/2018	4/22/2018	5	18	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4**

**Acres of Paving: 0**

**Residential Indoor: 608,168; Residential Outdoor: 202,723; Non-Residential Indoor: 315,353; Non-Residential Outdoor: 105,118 (Architectural Coating – sqft)**

**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	2	8.00	255	0.40
Demolition	Excavators	3	8.00	162	0.38
Grading	Excavators	1	8.00	162	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	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	6	15.00	0.00	409.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	2,778.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	379.00	79.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	12.40	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					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0891	0.9393	0.7457	8.8000e-004		0.0468	0.0468		0.0436	0.0436	0.0000	80.5601	80.5601	0.0221	0.0000	81.0242
<b>Total</b>	<b>0.0891</b>	<b>0.9393</b>	<b>0.7457</b>	<b>8.8000e-004</b>	<b>0.0443</b>	<b>0.0468</b>	<b>0.0911</b>	<b>6.7100e-003</b>	<b>0.0436</b>	<b>0.0503</b>	<b>0.0000</b>	<b>80.5601</b>	<b>80.5601</b>	<b>0.0221</b>	<b>0.0000</b>	<b>81.0242</b>

### 3.2 Demolition - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4700e-003	0.0549	0.0502	1.5000e-004	3.4400e-003	7.0000e-004	4.1500e-003	9.5000e-004	6.5000e-004	1.5900e-003	0.0000	13.7904	13.7904	1.0000e-004	0.0000	13.7925
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	1.1100e-003	1.6200e-003	0.0156	4.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.6131	2.6131	1.4000e-004	0.0000	2.6160
<b>Total</b>	<b>5.5800e-003</b>	<b>0.0565</b>	<b>0.0658</b>	<b>1.9000e-004</b>	<b>6.4300e-003</b>	<b>7.2000e-004</b>	<b>7.1700e-003</b>	<b>1.7500e-003</b>	<b>6.7000e-004</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>16.4034</b>	<b>16.4034</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>16.4084</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0199	0.0000	0.0199	3.0200e-003	0.0000	3.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0891	0.9393	0.7457	8.8000e-004		0.0468	0.0468		0.0436	0.0436	0.0000	80.5600	80.5600	0.0221	0.0000	81.0241
<b>Total</b>	<b>0.0891</b>	<b>0.9393</b>	<b>0.7457</b>	<b>8.8000e-004</b>	<b>0.0199</b>	<b>0.0468</b>	<b>0.0667</b>	<b>3.0200e-003</b>	<b>0.0436</b>	<b>0.0466</b>	<b>0.0000</b>	<b>80.5600</b>	<b>80.5600</b>	<b>0.0221</b>	<b>0.0000</b>	<b>81.0241</b>



**3.2 Demolition - 2017****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4700e-003	0.0549	0.0502	1.5000e-004	3.4400e-003	7.0000e-004	4.1500e-003	9.5000e-004	6.5000e-004	1.5900e-003	0.0000	13.7904	13.7904	1.0000e-004	0.0000	13.7925
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	1.1100e-003	1.6200e-003	0.0156	4.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.6131	2.6131	1.4000e-004	0.0000	2.6160
<b>Total</b>	<b>5.5800e-003</b>	<b>0.0565</b>	<b>0.0658</b>	<b>1.9000e-004</b>	<b>6.4300e-003</b>	<b>7.2000e-004</b>	<b>7.1700e-003</b>	<b>1.7500e-003</b>	<b>6.7000e-004</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>16.4034</b>	<b>16.4034</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>16.4084</b>

**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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0789	9.0789	2.7800e-003	0.0000	9.1373
<b>Total</b>	<b>0.0121</b>	<b>0.1294</b>	<b>0.0985</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>6.8900e-003</b>	<b>0.0521</b>	<b>0.0248</b>	<b>6.3300e-003</b>	<b>0.0312</b>	<b>0.0000</b>	<b>9.0789</b>	<b>9.0789</b>	<b>2.7800e-003</b>	<b>0.0000</b>	<b>9.1373</b>

### 3.3 Site Preparation - 2017

#### 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	1.5000e-004	2.2000e-004	2.1300e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3563	0.3563	2.0000e-005	0.0000	0.3567
<b>Total</b>	<b>1.5000e-004</b>	<b>2.2000e-004</b>	<b>2.1300e-003</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.3563</b>	<b>0.3563</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3567</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0788	9.0788	2.7800e-003	0.0000	9.1373
<b>Total</b>	<b>0.0121</b>	<b>0.1294</b>	<b>0.0985</b>	<b>1.0000e-004</b>	<b>0.0203</b>	<b>6.8900e-003</b>	<b>0.0272</b>	<b>0.0112</b>	<b>6.3300e-003</b>	<b>0.0175</b>	<b>0.0000</b>	<b>9.0788</b>	<b>9.0788</b>	<b>2.7800e-003</b>	<b>0.0000</b>	<b>9.1373</b>

### 3.3 Site Preparation - 2017

#### 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	1.5000e-004	2.2000e-004	2.1300e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3563	0.3563	2.0000e-005	0.0000	0.3567
<b>Total</b>	<b>1.5000e-004</b>	<b>2.2000e-004</b>	<b>2.1300e-003</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.3563</b>	<b>0.3563</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3567</b>

### 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					0.0279	0.0000	0.0279	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0743	0.7736	0.5457	6.4000e-004		0.0438	0.0438		0.0403	0.0403	0.0000	59.3651	59.3651	0.0182	0.0000	59.7471
<b>Total</b>	<b>0.0743</b>	<b>0.7736</b>	<b>0.5457</b>	<b>6.4000e-004</b>	<b>0.0279</b>	<b>0.0438</b>	<b>0.0718</b>	<b>0.0137</b>	<b>0.0403</b>	<b>0.0541</b>	<b>0.0000</b>	<b>59.3651</b>	<b>59.3651</b>	<b>0.0182</b>	<b>0.0000</b>	<b>59.7471</b>

### 3.4 Grading - 2017

#### 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	0.0303	0.3729	0.3411	1.0400e-003	0.0234	4.7700e-003	0.0282	6.4300e-003	4.3900e-003	0.0108	0.0000	93.6665	93.6665	6.8000e-004	0.0000	93.6808
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	1.0800e-003	1.5900e-003	0.0153	3.0000e-005	2.9300e-003	2.0000e-005	2.9500e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5537	2.5537	1.3000e-004	0.0000	2.5565
<b>Total</b>	<b>0.0314</b>	<b>0.3744</b>	<b>0.3564</b>	<b>1.0700e-003</b>	<b>0.0263</b>	<b>4.7900e-003</b>	<b>0.0311</b>	<b>7.2100e-003</b>	<b>4.4100e-003</b>	<b>0.0116</b>	<b>0.0000</b>	<b>96.2202</b>	<b>96.2202</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>96.2373</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0126	0.0000	0.0126	6.1800e-003	0.0000	6.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0743	0.7736	0.5457	6.4000e-004		0.0438	0.0438		0.0403	0.0403	0.0000	59.3650	59.3650	0.0182	0.0000	59.7470
<b>Total</b>	<b>0.0743</b>	<b>0.7736</b>	<b>0.5457</b>	<b>6.4000e-004</b>	<b>0.0126</b>	<b>0.0438</b>	<b>0.0564</b>	<b>6.1800e-003</b>	<b>0.0403</b>	<b>0.0465</b>	<b>0.0000</b>	<b>59.3650</b>	<b>59.3650</b>	<b>0.0182</b>	<b>0.0000</b>	<b>59.7470</b>

### 3.4 Grading - 2017

#### 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	0.0303	0.3729	0.3411	1.0400e-003	0.0234	4.7700e-003	0.0282	6.4300e-003	4.3900e-003	0.0108	0.0000	93.6665	93.6665	6.8000e-004	0.0000	93.6808
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	1.0800e-003	1.5900e-003	0.0153	3.0000e-005	2.9300e-003	2.0000e-005	2.9500e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5537	2.5537	1.3000e-004	0.0000	2.5565
<b>Total</b>	<b>0.0314</b>	<b>0.3744</b>	<b>0.3564</b>	<b>1.0700e-003</b>	<b>0.0263</b>	<b>4.7900e-003</b>	<b>0.0311</b>	<b>7.2100e-003</b>	<b>4.4100e-003</b>	<b>0.0116</b>	<b>0.0000</b>	<b>96.2202</b>	<b>96.2202</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>96.2373</b>

### 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	0.2606	2.2181	1.5229	2.2500e-003		0.1496	0.1496		0.1405	0.1405	0.0000	201.1625	201.1625	0.0495	0.0000	202.2022
<b>Total</b>	<b>0.2606</b>	<b>2.2181</b>	<b>1.5229</b>	<b>2.2500e-003</b>		<b>0.1496</b>	<b>0.1496</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>201.1625</b>	<b>201.1625</b>	<b>0.0495</b>	<b>0.0000</b>	<b>202.2022</b>

### 3.5 Building Construction - 2017

#### 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	0.0765	0.5960	0.9227	1.5800e-003	0.0427	8.5800e-003	0.0513	0.0123	7.8900e-003	0.0201	0.0000	141.0877	141.0877	1.0900e-003	0.0000	141.1106
Worker	0.1071	0.1566	1.5072	3.4400e-003	0.2888	2.3000e-003	0.2911	0.0768	2.1200e-003	0.0789	0.0000	252.0917	252.0917	0.0132	0.0000	252.3686
<b>Total</b>	<b>0.1837</b>	<b>0.7526</b>	<b>2.4298</b>	<b>5.0200e-003</b>	<b>0.3315</b>	<b>0.0109</b>	<b>0.3424</b>	<b>0.0891</b>	<b>0.0100</b>	<b>0.0991</b>	<b>0.0000</b>	<b>393.1793</b>	<b>393.1793</b>	<b>0.0143</b>	<b>0.0000</b>	<b>393.4792</b>

#### 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	0.2606	2.2181	1.5229	2.2500e-003		0.1496	0.1496		0.1405	0.1405	0.0000	201.1622	201.1622	0.0495	0.0000	202.2019
<b>Total</b>	<b>0.2606</b>	<b>2.2181</b>	<b>1.5229</b>	<b>2.2500e-003</b>		<b>0.1496</b>	<b>0.1496</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>201.1622</b>	<b>201.1622</b>	<b>0.0495</b>	<b>0.0000</b>	<b>202.2019</b>

### 3.5 Building Construction - 2017

#### 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	0.0765	0.5960	0.9227	1.5800e-003	0.0427	8.5800e-003	0.0513	0.0123	7.8900e-003	0.0201	0.0000	141.0877	141.0877	1.0900e-003	0.0000	141.1106
Worker	0.1071	0.1566	1.5072	3.4400e-003	0.2888	2.3000e-003	0.2911	0.0768	2.1200e-003	0.0789	0.0000	252.0917	252.0917	0.0132	0.0000	252.3686
<b>Total</b>	<b>0.1837</b>	<b>0.7526</b>	<b>2.4298</b>	<b>5.0200e-003</b>	<b>0.3315</b>	<b>0.0109</b>	<b>0.3424</b>	<b>0.0891</b>	<b>0.0100</b>	<b>0.0991</b>	<b>0.0000</b>	<b>393.1793</b>	<b>393.1793</b>	<b>0.0143</b>	<b>0.0000</b>	<b>393.4792</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3986	73.3986	0.0180	0.0000	73.7758
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3986</b>	<b>73.3986</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7758</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0251	0.1992	0.3169	5.8000e-004	0.0158	2.9300e-003	0.0187	4.5200e-003	2.7000e-003	7.2200e-003	0.0000	51.1531	51.1531	4.0000e-004	0.0000	51.1615
Worker	0.0353	0.0520	0.4974	1.2700e-003	0.1066	8.2000e-004	0.1074	0.0284	7.6000e-004	0.0291	0.0000	89.5827	89.5827	4.4800e-003	0.0000	89.6766
<b>Total</b>	<b>0.0603</b>	<b>0.2513</b>	<b>0.8143</b>	<b>1.8500e-003</b>	<b>0.1223</b>	<b>3.7500e-003</b>	<b>0.1261</b>	<b>0.0329</b>	<b>3.4600e-003</b>	<b>0.0363</b>	<b>0.0000</b>	<b>140.7358</b>	<b>140.7358</b>	<b>4.8800e-003</b>	<b>0.0000</b>	<b>140.8381</b>

#### 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	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3985	73.3985	0.0180	0.0000	73.7757
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3985</b>	<b>73.3985</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7757</b>



### 3.5 Building Construction - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0251	0.1992	0.3169	5.8000e-004	0.0158	2.9300e-003	0.0187	4.5200e-003	2.7000e-003	7.2200e-003	0.0000	51.1531	51.1531	4.0000e-004	0.0000	51.1615
Worker	0.0353	0.0520	0.4974	1.2700e-003	0.1066	8.2000e-004	0.1074	0.0284	7.6000e-004	0.0291	0.0000	89.5827	89.5827	4.4800e-003	0.0000	89.6766
<b>Total</b>	<b>0.0603</b>	<b>0.2513</b>	<b>0.8143</b>	<b>1.8500e-003</b>	<b>0.1223</b>	<b>3.7500e-003</b>	<b>0.1261</b>	<b>0.0329</b>	<b>3.4600e-003</b>	<b>0.0363</b>	<b>0.0000</b>	<b>140.7358</b>	<b>140.7358</b>	<b>4.8800e-003</b>	<b>0.0000</b>	<b>140.8381</b>

### 3.6 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	2.3450					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.1835	0.1569	2.5000e-004		0.0146	0.0146		0.0146	0.0146	0.0000	21.4473	21.4473	2.2600e-003	0.0000	21.4949
<b>Total</b>	<b>2.3729</b>	<b>0.1835</b>	<b>0.1569</b>	<b>2.5000e-004</b>		<b>0.0146</b>	<b>0.0146</b>		<b>0.0146</b>	<b>0.0146</b>	<b>0.0000</b>	<b>21.4473</b>	<b>21.4473</b>	<b>2.2600e-003</b>	<b>0.0000</b>	<b>21.4949</b>

### 3.6 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0215	0.0314	0.3022	6.9000e-004	0.0579	4.6000e-004	0.0584	0.0154	4.2000e-004	0.0158	0.0000	50.5514	50.5514	2.6400e-003	0.0000	50.6069
<b>Total</b>	<b>0.0215</b>	<b>0.0314</b>	<b>0.3022</b>	<b>6.9000e-004</b>	<b>0.0579</b>	<b>4.6000e-004</b>	<b>0.0584</b>	<b>0.0154</b>	<b>4.2000e-004</b>	<b>0.0158</b>	<b>0.0000</b>	<b>50.5514</b>	<b>50.5514</b>	<b>2.6400e-003</b>	<b>0.0000</b>	<b>50.6069</b>

#### 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	2.3450					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.1835	0.1569	2.5000e-004		0.0146	0.0146		0.0146	0.0146	0.0000	21.4473	21.4473	2.2600e-003	0.0000	21.4949
<b>Total</b>	<b>2.3729</b>	<b>0.1835</b>	<b>0.1569</b>	<b>2.5000e-004</b>		<b>0.0146</b>	<b>0.0146</b>		<b>0.0146</b>	<b>0.0146</b>	<b>0.0000</b>	<b>21.4473</b>	<b>21.4473</b>	<b>2.2600e-003</b>	<b>0.0000</b>	<b>21.4949</b>

### 3.6 Architectural Coating - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0215	0.0314	0.3022	6.9000e-004	0.0579	4.6000e-004	0.0584	0.0154	4.2000e-004	0.0158	0.0000	50.5514	50.5514	2.6400e-003	0.0000	50.6069
<b>Total</b>	<b>0.0215</b>	<b>0.0314</b>	<b>0.3022</b>	<b>6.9000e-004</b>	<b>0.0579</b>	<b>4.6000e-004</b>	<b>0.0584</b>	<b>0.0154</b>	<b>4.2000e-004</b>	<b>0.0158</b>	<b>0.0000</b>	<b>50.5514</b>	<b>50.5514</b>	<b>2.6400e-003</b>	<b>0.0000</b>	<b>50.6069</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2600e-003	0.0622	0.0575	9.0000e-005		4.6700e-003	4.6700e-003		4.6700e-003	4.6700e-003	0.0000	7.9151	7.9151	7.5000e-004	0.0000	7.9309
<b>Total</b>	<b>0.8747</b>	<b>0.0622</b>	<b>0.0575</b>	<b>9.0000e-005</b>		<b>4.6700e-003</b>	<b>4.6700e-003</b>		<b>4.6700e-003</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>7.9151</b>	<b>7.9151</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>7.9309</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	7.0700e-003	0.0104	0.0997	2.5000e-004	0.0214	1.6000e-004	0.0215	5.6800e-003	1.5000e-004	5.8400e-003	0.0000	17.9638	17.9638	9.0000e-004	0.0000	17.9827	
<b>Total</b>	<b>7.0700e-003</b>	<b>0.0104</b>	<b>0.0997</b>	<b>2.5000e-004</b>	<b>0.0214</b>	<b>1.6000e-004</b>	<b>0.0215</b>	<b>5.6800e-003</b>	<b>1.5000e-004</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>17.9638</b>	<b>17.9638</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>17.9827</b>	

#### 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	0.8654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2600e-003	0.0622	0.0575	9.0000e-005		4.6700e-003	4.6700e-003		4.6700e-003	4.6700e-003	0.0000	7.9151	7.9151	7.5000e-004	0.0000	7.9309
<b>Total</b>	<b>0.8747</b>	<b>0.0622</b>	<b>0.0575</b>	<b>9.0000e-005</b>		<b>4.6700e-003</b>	<b>4.6700e-003</b>		<b>4.6700e-003</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>7.9151</b>	<b>7.9151</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>7.9309</b>

### 3.6 Architectural Coating - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0700e-003	0.0104	0.0997	2.5000e-004	0.0214	1.6000e-004	0.0215	5.6800e-003	1.5000e-004	5.8400e-003	0.0000	17.9638	17.9638	9.0000e-004	0.0000	17.9827
<b>Total</b>	<b>7.0700e-003</b>	<b>0.0104</b>	<b>0.0997</b>	<b>2.5000e-004</b>	<b>0.0214</b>	<b>1.6000e-004</b>	<b>0.0215</b>	<b>5.6800e-003</b>	<b>1.5000e-004</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>17.9638</b>	<b>17.9638</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>17.9827</b>

### 3.7 Paving - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0127</b>	<b>0.1289</b>	<b>0.1104</b>	<b>1.7000e-004</b>		<b>7.4500e-003</b>	<b>7.4500e-003</b>		<b>6.8700e-003</b>	<b>6.8700e-003</b>	<b>0.0000</b>	<b>15.0641</b>	<b>15.0641</b>	<b>4.5600e-003</b>	<b>0.0000</b>	<b>15.1599</b>

### 3.7 Paving - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	8.0000e-004	7.6200e-003	2.0000e-005	1.6300e-003	1.0000e-005	1.6500e-003	4.3000e-004	1.0000e-005	4.5000e-004	0.0000	1.3725	1.3725	7.0000e-005	0.0000	1.3739
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>7.6200e-003</b>	<b>2.0000e-005</b>	<b>1.6300e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.3000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3725</b>	<b>1.3725</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.3739</b>

#### 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	0.0127	0.1289	0.1104	1.7000e-004		7.4500e-003	7.4500e-003		6.8700e-003	6.8700e-003	0.0000	15.0641	15.0641	4.5600e-003	0.0000	15.1599
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0127</b>	<b>0.1289</b>	<b>0.1104</b>	<b>1.7000e-004</b>		<b>7.4500e-003</b>	<b>7.4500e-003</b>		<b>6.8700e-003</b>	<b>6.8700e-003</b>	<b>0.0000</b>	<b>15.0641</b>	<b>15.0641</b>	<b>4.5600e-003</b>	<b>0.0000</b>	<b>15.1599</b>

### 3.7 Paving - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	8.0000e-004	7.6200e-003	2.0000e-005	1.6300e-003	1.0000e-005	1.6500e-003	4.3000e-004	1.0000e-005	4.5000e-004	0.0000	1.3725	1.3725	7.0000e-005	0.0000	1.3739
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>7.6200e-003</b>	<b>2.0000e-005</b>	<b>1.6300e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.3000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3725</b>	<b>1.3725</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.3739</b>

### 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	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.621 1	3,962.621 1	0.2014	0.0000	3,966.850 1
Unmitigated	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.621 1	3,962.621 1	0.2014	0.0000	3,966.850 1

## **Extended 30-Month Construction Phasing Schedule**



**Webster & 12th Construction - 30 Months**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	58.38	1000sqft	1.34	58,385.00	0
Enclosed Parking with Elevator	317.00	Space	0.00	126,800.00	0
Apartments Mid Rise	416.00	Dwelling Unit	1.72	300,330.00	1190
Strip Mall	25.05	1000sqft	0.00	25,050.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2014
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Project Characteristics -

## Land Use - Project Specifications

## Construction Phase - Custom 30.0 Month Schedule

## Demolition -

## Grading - Project Specifications

Architectural Coating - Corrects known error where parking lot is treated as Non-Residential space coated at twice the floor area. Parking lot coating reduced to 6% of area per Appendix E, or 9,999 sq. ft.

Construction Off-road Equipment Mitigation - From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for "Local streets" implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstructionPhase	NumDays	18.00	442.00
tblConstructionPhase	NumDays	230.00	442.00
tblConstructionPhase	NumDays	20.00	84.00
tblConstructionPhase	NumDays	8.00	83.00
tblConstructionPhase	NumDays	18.00	35.00
tblConstructionPhase	NumDays	5.00	9.00
tblConstructionPhase	PhaseEndDate	1/22/2021	5/15/2019
tblConstructionPhase	PhaseStartDate	5/16/2019	9/5/2017
tblGrading	MaterialExported	0.00	22,222.00
tblGrading	MaterialImported	0.00	8,333.00
tblLandUse	LandUseSquareFeet	58,380.00	58,385.00
tblLandUse	LandUseSquareFeet	416,000.00	300,330.00
tblLandUse	LotAcreage	2.85	0.00
tblLandUse	LotAcreage	10.95	1.72
tblLandUse	LotAcreage	0.58	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,778.00

## 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	20.4220	51.8317	51.5438	0.1014	10.2066	2.7555	12.9621	5.5621	2.5351	8.0971	0.0000	9,045.2549	9,045.2549	1.2348	0.0000	9,071.1848
2018	19.7009	33.2658	47.8390	0.1013	4.8159	1.7708	6.5867	1.2880	1.6713	2.9593	0.0000	8,824.8628	8,824.8628	0.8704	0.0000	8,843.1416
2019	19.1732	30.1018	45.1308	0.1013	4.8159	1.5324	6.3483	1.2879	1.4464	2.7343	0.0000	8,616.9108	8,616.9108	0.8430	0.0000	8,634.6131
<b>Total</b>	<b>59.2961</b>	<b>115.1993</b>	<b>144.5136</b>	<b>0.3040</b>	<b>19.8384</b>	<b>6.0587</b>	<b>25.8971</b>	<b>8.1380</b>	<b>5.6527</b>	<b>13.7907</b>	<b>0.0000</b>	<b>26,487.0285</b>	<b>26,487.0285</b>	<b>2.9482</b>	<b>0.0000</b>	<b>26,548.9395</b>

#### 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	20.4220	51.8317	51.5438	0.1014	4.8160	2.7555	7.4418	2.5277	2.5351	5.0628	0.0000	9,045.2549	9,045.2549	1.2348	0.0000	9,071.1848
2018	19.7009	33.2658	47.8390	0.1013	4.8159	1.7708	6.5867	1.2880	1.6713	2.9593	0.0000	8,824.8628	8,824.8628	0.8704	0.0000	8,843.1416
2019	19.1732	30.1018	45.1308	0.1013	4.8159	1.5324	6.3483	1.2879	1.4464	2.7343	0.0000	8,616.9108	8,616.9108	0.8430	0.0000	8,634.6131
<b>Total</b>	<b>59.2961</b>	<b>115.1993</b>	<b>144.5136</b>	<b>0.3040</b>	<b>14.4478</b>	<b>6.0587</b>	<b>20.3768</b>	<b>5.1036</b>	<b>5.6527</b>	<b>10.7563</b>	<b>0.0000</b>	<b>26,487.0285</b>	<b>26,487.0285</b>	<b>2.9482</b>	<b>0.0000</b>	<b>26,548.9395</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	27.17	0.00	21.32	37.29	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	4/27/2017	5	84	
2	Site Preparation	Site Preparation	4/28/2017	5/10/2017	5	9	
3	Grading	Grading	5/11/2017	9/4/2017	5	83	
4	Building Construction	Building Construction	9/5/2017	5/15/2019	5	442	
5	Architectural Coating	Architectural Coating	9/5/2017	5/15/2019	5	442	
6	Paving	Paving	5/16/2019	7/3/2019	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 608,168; Residential Outdoor: 202,723; Non-Residential Indoor: 315,353; Non-Residential Outdoor: 105,118 (Architectural Coating – sqft)

#### 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	2	8.00	255	0.40
Demolition	Excavators	3	8.00	162	0.38
Grading	Excavators	1	8.00	162	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	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	6	15.00	0.00	409.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	2,778.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	379.00	79.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	12.40	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					1.0547	0.0000	1.0547	0.1597	0.0000	0.1597			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>1.0547</b>	<b>2.1252</b>	<b>3.1799</b>	<b>0.1597</b>	<b>1.9797</b>	<b>2.1394</b>		<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>

### 3.2 Demolition - 2017

#### 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	0.0975	1.2596	0.9661	3.6500e-003	0.0848	0.0167	0.1016	0.0232	0.0154	0.0386		362.2906	362.2906	2.6200e-003		362.3456
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>0.1519</b>	<b>1.3248</b>	<b>1.7271</b>	<b>5.3900e-003</b>	<b>0.2263</b>	<b>0.0178</b>	<b>0.2441</b>	<b>0.0608</b>	<b>0.0164</b>	<b>0.0771</b>		<b>502.9464</b>	<b>502.9464</b>	<b>9.4700e-003</b>		<b>503.1452</b>

#### 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					0.4746	0.0000	0.4746	0.0719	0.0000	0.0719			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>0.4746</b>	<b>2.1252</b>	<b>2.5998</b>	<b>0.0719</b>	<b>1.9797</b>	<b>2.0516</b>	<b>0.0000</b>	<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>



### 3.2 Demolition - 2017

#### 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	0.0975	1.2596	0.9661	3.6500e-003	0.0848	0.0167	0.1016	0.0232	0.0154	0.0386		362.2906	362.2906	2.6200e-003		362.3456
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>0.1519</b>	<b>1.3248</b>	<b>1.7271</b>	<b>5.3900e-003</b>	<b>0.2263</b>	<b>0.0178</b>	<b>0.2441</b>	<b>0.0608</b>	<b>0.0164</b>	<b>0.0771</b>		<b>502.9464</b>	<b>502.9464</b>	<b>9.4700e-003</b>		<b>503.1452</b>

### 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					10.0368	0.0000	10.0368	5.5171	0.0000	5.5171			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>10.0368</b>	<b>2.7542</b>	<b>12.7910</b>	<b>5.5171</b>	<b>2.5339</b>	<b>8.0509</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0652	0.0783	0.9133	2.0900e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		168.7869	168.7869	8.2200e-003		168.9595
<b>Total</b>	<b>0.0652</b>	<b>0.0783</b>	<b>0.9133</b>	<b>2.0900e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>168.7869</b>	<b>168.7869</b>	<b>8.2200e-003</b>		<b>168.9595</b>

#### 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					4.5166	0.0000	4.5166	2.4827	0.0000	2.4827			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>4.5166</b>	<b>2.7542</b>	<b>7.2708</b>	<b>2.4827</b>	<b>2.5339</b>	<b>5.0166</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0652	0.0783	0.9133	2.0900e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		168.7869	168.7869	8.2200e-003			168.9595
<b>Total</b>	<b>0.0652</b>	<b>0.0783</b>	<b>0.9133</b>	<b>2.0900e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>168.7869</b>	<b>168.7869</b>	<b>8.2200e-003</b>			<b>168.9595</b>

### 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					0.6732	0.0000	0.6732	0.3309	0.0000	0.3309			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>0.6732</b>	<b>2.0388</b>	<b>2.7120</b>	<b>0.3309</b>	<b>1.8757</b>	<b>2.2066</b>		<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	0.6703	8.6582	6.6407	0.0251	0.5832	0.1149	0.6981	0.1597	0.1056	0.2653		2,490.3890	2,490.3890	0.0180		2,490.7669
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>0.7247</b>	<b>8.7234</b>	<b>7.4018</b>	<b>0.0268</b>	<b>0.7246</b>	<b>0.1160</b>	<b>0.8406</b>	<b>0.1972</b>	<b>0.1066</b>	<b>0.3038</b>		<b>2,631.0448</b>	<b>2,631.0448</b>	<b>0.0248</b>		<b>2,631.5665</b>

#### 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					0.3029	0.0000	0.3029	0.1489	0.0000	0.1489			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>0.3029</b>	<b>2.0388</b>	<b>2.3417</b>	<b>0.1489</b>	<b>1.8757</b>	<b>2.0246</b>	<b>0.0000</b>	<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	0.6703	8.6582	6.6407	0.0251	0.5832	0.1149	0.6981	0.1597	0.1056	0.2653		2,490.3890	2,490.3890	0.0180		2,490.7669
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	0.0543	0.0652	0.7611	1.7400e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		140.6558	140.6558	6.8500e-003		140.7996
<b>Total</b>	<b>0.7247</b>	<b>8.7234</b>	<b>7.4018</b>	<b>0.0268</b>	<b>0.7246</b>	<b>0.1160</b>	<b>0.8406</b>	<b>0.1972</b>	<b>0.1066</b>	<b>0.3038</b>		<b>2,631.0448</b>	<b>2,631.0448</b>	<b>0.0248</b>		<b>2,631.5665</b>

### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

### 3.5 Building Construction - 2017

#### 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	0.8122	6.8628	8.4609	0.0188	0.5252	0.1017	0.6269	0.1500	0.0935	0.2435		1,857.4430	1,857.4430	0.0142			1,857.7411
Worker	1.3731	1.6480	19.2296	0.0440	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,553.9026	3,553.9026	0.1730			3,557.5366
<b>Total</b>	<b>2.1853</b>	<b>8.5108</b>	<b>27.6905</b>	<b>0.0628</b>	<b>4.0993</b>	<b>0.1291</b>	<b>4.2284</b>	<b>1.0979</b>	<b>0.1187</b>	<b>1.2166</b>		<b>5,411.3456</b>	<b>5,411.3456</b>	<b>0.1872</b>			<b>5,415.2777</b>

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>			<b>2,653.4490</b>

### 3.5 Building Construction - 2017

#### 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	0.8122	6.8628	8.4609	0.0188	0.5252	0.1017	0.6269	0.1500	0.0935	0.2435		1,857.4430	1,857.4430	0.0142			1,857.7411
Worker	1.3731	1.6480	19.2296	0.0440	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,553.9026	3,553.9026	0.1730			3,557.5366
<b>Total</b>	<b>2.1853</b>	<b>8.5108</b>	<b>27.6905</b>	<b>0.0628</b>	<b>4.0993</b>	<b>0.1291</b>	<b>4.2284</b>	<b>1.0979</b>	<b>0.1187</b>	<b>1.2166</b>		<b>5,411.3456</b>	<b>5,411.3456</b>	<b>0.1872</b>			<b>5,415.2777</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>		<b>2,609.9390</b>	<b>2,609.9390</b>	<b>0.6387</b>			<b>2,623.3517</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.7269	6.2178	7.7014	0.0188	0.5251	0.0942	0.6193	0.1499	0.0866	0.2366		1,824.8213	1,824.8213	0.0139			1,825.1140
Worker	1.2329	1.4838	17.2848	0.0440	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,422.3734	3,422.3734	0.1591			3,425.7150
<b>Total</b>	<b>1.9598</b>	<b>7.7016</b>	<b>24.9861</b>	<b>0.0627</b>	<b>4.0992</b>	<b>0.1207</b>	<b>4.2199</b>	<b>1.0979</b>	<b>0.1111</b>	<b>1.2089</b>		<b>5,247.1946</b>	<b>5,247.1946</b>	<b>0.1731</b>			<b>5,250.8290</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>	<b>0.0000</b>	<b>2,609.9389</b>	<b>2,609.9389</b>	<b>0.6387</b>			<b>2,623.3517</b>



### 3.5 Building Construction - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.7269	6.2178	7.7014	0.0188	0.5251	0.0942	0.6193	0.1499	0.0866	0.2366		1,824.8213	1,824.8213	0.0139			1,825.1140
Worker	1.2329	1.4838	17.2848	0.0440	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,422.3734	3,422.3734	0.1591			3,425.7150
<b>Total</b>	<b>1.9598</b>	<b>7.7016</b>	<b>24.9861</b>	<b>0.0627</b>	<b>4.0992</b>	<b>0.1207</b>	<b>4.2199</b>	<b>1.0979</b>	<b>0.1111</b>	<b>1.2089</b>		<b>5,247.1946</b>	<b>5,247.1946</b>	<b>0.1731</b>			<b>5,250.8290</b>

### 3.5 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279			2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>			<b>2,593.9479</b>

### 3.5 Building Construction - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.6746	5.6787	7.2517	0.0187	0.5251	0.0875	0.6126	0.1499	0.0805	0.2304		1,793.4417	1,793.4417	0.0136			1,793.7274
Worker	1.1277	1.3517	15.7576	0.0440	3.5741	0.0259	3.6000	0.9479	0.0240	0.9719		3,299.5984	3,299.5984	0.1480			3,302.7064
<b>Total</b>	<b>1.8023</b>	<b>7.0303</b>	<b>23.0092</b>	<b>0.0627</b>	<b>4.0992</b>	<b>0.1134</b>	<b>4.2126</b>	<b>1.0978</b>	<b>0.1045</b>	<b>1.2023</b>		<b>5,093.0400</b>	<b>5,093.0400</b>	<b>0.1616</b>			<b>5,096.4338</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279			2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>			<b>2,593.9479</b>

### 3.5 Building Construction - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.6746	5.6787	7.2517	0.0187	0.5251	0.0875	0.6126	0.1499	0.0805	0.2304		1,793.4417	1,793.4417	0.0136		1,793.7274
Worker	1.1277	1.3517	15.7576	0.0440	3.5741	0.0259	3.6000	0.9479	0.0240	0.9719		3,299.5984	3,299.5984	0.1480		3,302.7064
<b>Total</b>	<b>1.8023</b>	<b>7.0303</b>	<b>23.0092</b>	<b>0.0627</b>	<b>4.0992</b>	<b>0.1134</b>	<b>4.2126</b>	<b>1.0978</b>	<b>0.1045</b>	<b>1.2023</b>		<b>5,093.0400</b>	<b>5,093.0400</b>	<b>0.1616</b>		<b>5,096.4338</b>

### 3.6 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	14.5267					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		282.0721
<b>Total</b>	<b>14.8590</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2754	0.3305	3.8561	8.8200e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		712.6559	712.6559	0.0347			713.3846
<b>Total</b>	<b>0.2754</b>	<b>0.3305</b>	<b>3.8561</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>712.6559</b>	<b>712.6559</b>	<b>0.0347</b>			<b>713.3846</b>

#### 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	14.5267					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			282.0721
<b>Total</b>	<b>14.8590</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2754	0.3305	3.8561	8.8200e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		712.6559	712.6559	0.0347		713.3846
<b>Total</b>	<b>0.2754</b>	<b>0.3305</b>	<b>3.8561</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>712.6559</b>	<b>712.6559</b>	<b>0.0347</b>		<b>713.3846</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>14.8253</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2472	0.2975	3.4661	8.8200e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		686.2807	686.2807	0.0319			686.9508
<b>Total</b>	<b>0.2472</b>	<b>0.2975</b>	<b>3.4661</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>686.2807</b>	<b>686.2807</b>	<b>0.0319</b>			<b>686.9508</b>

#### 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	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>14.8253</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2472	0.2975	3.4661	8.8200e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		686.2807	686.2807	0.0319			686.9508
<b>Total</b>	<b>0.2472</b>	<b>0.2975</b>	<b>3.4661</b>	<b>8.8200e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>686.2807</b>	<b>686.2807</b>	<b>0.0319</b>			<b>686.9508</b>

### 3.6 Architectural Coating - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473
<b>Total</b>	<b>14.7931</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>			<b>281.9473</b>

### 3.6 Architectural Coating - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.2261	0.2711	3.1598	8.8100e-003	0.7167	5.1900e-003	0.7219	0.1901	4.8100e-003	0.1949		661.6609	661.6609	0.0297		662.2841
<b>Total</b>	<b>0.2261</b>	<b>0.2711</b>	<b>3.1598</b>	<b>8.8100e-003</b>	<b>0.7167</b>	<b>5.1900e-003</b>	<b>0.7219</b>	<b>0.1901</b>	<b>4.8100e-003</b>	<b>0.1949</b>		<b>661.6609</b>	<b>661.6609</b>	<b>0.0297</b>		<b>662.2841</b>

#### 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	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>14.7931</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>281.9473</b>



### 3.6 Architectural Coating - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2261	0.2711	3.1598	8.8100e-003	0.7167	5.1900e-003	0.7219	0.1901	4.8100e-003	0.1949		661.6609	661.6609	0.0297			662.2841
<b>Total</b>	<b>0.2261</b>	<b>0.2711</b>	<b>3.1598</b>	<b>8.8100e-003</b>	<b>0.7167</b>	<b>5.1900e-003</b>	<b>0.7219</b>	<b>0.1901</b>	<b>4.8100e-003</b>	<b>0.1949</b>		<b>661.6609</b>	<b>661.6609</b>	<b>0.0297</b>			<b>662.2841</b>

### 3.7 Paving - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585			1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2520</b>	<b>12.5889</b>	<b>12.1441</b>	<b>0.0187</b>		<b>0.7111</b>	<b>0.7111</b>		<b>0.6560</b>	<b>0.6560</b>		<b>1,816.2490</b>	<b>1,816.2490</b>	<b>0.5585</b>			<b>1,827.9782</b>

### 3.7 Paving - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
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	0.0595	0.0713	0.8315	2.3200e-003	0.1886	1.3700e-003	0.1900	0.0500	1.2700e-003	0.0513		174.1213	174.1213	7.8100e-003			174.2853
<b>Total</b>	<b>0.0595</b>	<b>0.0713</b>	<b>0.8315</b>	<b>2.3200e-003</b>	<b>0.1886</b>	<b>1.3700e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2700e-003</b>	<b>0.0513</b>		<b>174.1213</b>	<b>174.1213</b>	<b>7.8100e-003</b>			<b>174.2853</b>

#### 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	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585			1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2520</b>	<b>12.5889</b>	<b>12.1441</b>	<b>0.0187</b>		<b>0.7111</b>	<b>0.7111</b>		<b>0.6560</b>	<b>0.6560</b>	<b>0.0000</b>	<b>1,816.2490</b>	<b>1,816.2490</b>	<b>0.5585</b>			<b>1,827.9782</b>

### 3.7 Paving - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0595	0.0713	0.8315	2.3200e-003	0.1886	1.3700e-003	0.1900	0.0500	1.2700e-003	0.0513		174.1213	174.1213	7.8100e-003		174.2853
<b>Total</b>	<b>0.0595</b>	<b>0.0713</b>	<b>0.8315</b>	<b>2.3200e-003</b>	<b>0.1886</b>	<b>1.3700e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2700e-003</b>	<b>0.0513</b>		<b>174.1213</b>	<b>174.1213</b>	<b>7.8100e-003</b>		<b>174.2853</b>

### 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	20.2384	41.9700	189.3043	0.3071	21.0068	0.6409	21.6477	5.6191	0.5879	6.2070		28,365.9907	28,365.9907	1.3633		28,394.6199
Unmitigated	20.2384	41.9700	189.3043	0.3071	21.0068	0.6409	21.6477	5.6191	0.5879	6.2070		28,365.9907	28,365.9907	1.3633		28,394.6199

**Webster & 12th Construction - 30 Months**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	58.38	1000sqft	1.34	58,385.00	0
Enclosed Parking with Elevator	317.00	Space	0.00	126,800.00	0
Apartments Mid Rise	416.00	Dwelling Unit	1.72	300,330.00	1190
Strip Mall	25.05	1000sqft	0.00	25,050.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2014
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Project Characteristics -

## Land Use - Project Specifications

## Construction Phase - Custom 30.0 Month Schedule

## Demolition -

## Grading - Project Specifications

Architectural Coating - Corrects known error where parking lot is treated as Non-Residential space coated at twice the floor area. Parking lot coating reduced to 6% of area per Appendix E, or 9,999 sq. ft.

Construction Off-road Equipment Mitigation - From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for "Local streets" implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstructionPhase	NumDays	18.00	442.00
tblConstructionPhase	NumDays	230.00	442.00
tblConstructionPhase	NumDays	20.00	84.00
tblConstructionPhase	NumDays	8.00	83.00
tblConstructionPhase	NumDays	18.00	35.00
tblConstructionPhase	NumDays	5.00	9.00
tblConstructionPhase	PhaseEndDate	1/22/2021	5/15/2019
tblConstructionPhase	PhaseStartDate	5/16/2019	9/5/2017
tblGrading	MaterialExported	0.00	22,222.00
tblGrading	MaterialImported	0.00	8,333.00
tblLandUse	LandUseSquareFeet	58,380.00	58,385.00
tblLandUse	LandUseSquareFeet	416,000.00	300,330.00
tblLandUse	LotAcreage	2.85	0.00
tblLandUse	LotAcreage	10.95	1.72
tblLandUse	LotAcreage	0.58	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,778.00

## 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	20.6266	51.8503	55.7874	0.0972	10.2066	2.7555	12.9621	5.5621	2.5351	8.0971	0.0000	8,700.642 2	8,700.642 2	1.2348	0.0000	8,726.572 1
2018	19.8556	33.9767	51.9420	0.0971	4.8159	1.7717	6.5877	1.2880	1.6722	2.9601	0.0000	8,492.294 3	8,492.294 3	0.8708	0.0000	8,510.581 1
2019	19.3009	30.7478	49.1015	0.0971	4.8159	1.5333	6.3491	1.2879	1.4471	2.7351	0.0000	8,295.637 8	8,295.637 8	0.8434	0.0000	8,313.348 3
<b>Total</b>	<b>59.7831</b>	<b>116.5748</b>	<b>156.8310</b>	<b>0.2915</b>	<b>19.8384</b>	<b>6.0605</b>	<b>25.8989</b>	<b>8.1380</b>	<b>5.6544</b>	<b>13.7923</b>	<b>0.0000</b>	<b>25,488.57 43</b>	<b>25,488.57 43</b>	<b>2.9489</b>	<b>0.0000</b>	<b>25,550.50 16</b>

#### 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	20.6266	51.8503	55.7874	0.0972	4.8160	2.7555	7.4418	2.5277	2.5351	5.0628	0.0000	8,700.642 2	8,700.642 2	1.2348	0.0000	8,726.572 1
2018	19.8556	33.9767	51.9420	0.0971	4.8159	1.7717	6.5877	1.2880	1.6722	2.9601	0.0000	8,492.294 3	8,492.294 3	0.8708	0.0000	8,510.581 1
2019	19.3009	30.7478	49.1015	0.0971	4.8159	1.5333	6.3491	1.2879	1.4471	2.7351	0.0000	8,295.637 8	8,295.637 8	0.8434	0.0000	8,313.348 3
<b>Total</b>	<b>59.7831</b>	<b>116.5748</b>	<b>156.8310</b>	<b>0.2915</b>	<b>14.4478</b>	<b>6.0605</b>	<b>20.3786</b>	<b>5.1036</b>	<b>5.6544</b>	<b>10.7580</b>	<b>0.0000</b>	<b>25,488.57 43</b>	<b>25,488.57 43</b>	<b>2.9489</b>	<b>0.0000</b>	<b>25,550.50 16</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	27.17	0.00	21.31	37.29	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	4/27/2017	5	84	
2	Site Preparation	Site Preparation	4/28/2017	5/10/2017	5	9	
3	Grading	Grading	5/11/2017	9/4/2017	5	83	
4	Building Construction	Building Construction	9/5/2017	5/15/2019	5	442	
5	Architectural Coating	Architectural Coating	9/5/2017	5/15/2019	5	442	
6	Paving	Paving	5/16/2019	7/3/2019	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 608,168; Residential Outdoor: 202,723; Non-Residential Indoor: 315,353; Non-Residential Outdoor: 105,118 (Architectural Coating – sqft)

#### 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	2	8.00	255	0.40
Demolition	Excavators	3	8.00	162	0.38
Grading	Excavators	1	8.00	162	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	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	6	15.00	0.00	409.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	2,778.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	379.00	79.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	12.40	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					1.0547	0.0000	1.0547	0.1597	0.0000	0.1597			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>1.0547</b>	<b>2.1252</b>	<b>3.1799</b>	<b>0.1597</b>	<b>1.9797</b>	<b>2.1394</b>		<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>

### 3.2 Demolition - 2017

#### 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	0.1160	1.3275	1.4198	3.6500e-003	0.0848	0.0168	0.1016	0.0232	0.0154	0.0386		361.4435	361.4435	2.6500e-003		361.4991
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>0.1702</b>	<b>1.4083</b>	<b>2.1571</b>	<b>5.2600e-003</b>	<b>0.2263</b>	<b>0.0178</b>	<b>0.2441</b>	<b>0.0608</b>	<b>0.0164</b>	<b>0.0772</b>		<b>491.2081</b>	<b>491.2081</b>	<b>9.5000e-003</b>		<b>491.4076</b>

#### 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					0.4746	0.0000	0.4746	0.0719	0.0000	0.0719			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
<b>Total</b>	<b>4.0482</b>	<b>42.6971</b>	<b>33.8934</b>	<b>0.0399</b>	<b>0.4746</b>	<b>2.1252</b>	<b>2.5998</b>	<b>0.0719</b>	<b>1.9797</b>	<b>2.0516</b>	<b>0.0000</b>	<b>4,036.4674</b>	<b>4,036.4674</b>	<b>1.1073</b>		<b>4,059.7211</b>

### 3.2 Demolition - 2017

#### 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	0.1160	1.3275	1.4198	3.6500e-003	0.0848	0.0168	0.1016	0.0232	0.0154	0.0386		361.4435	361.4435	2.6500e-003		361.4991
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>0.1702</b>	<b>1.4083</b>	<b>2.1571</b>	<b>5.2600e-003</b>	<b>0.2263</b>	<b>0.0178</b>	<b>0.2441</b>	<b>0.0608</b>	<b>0.0164</b>	<b>0.0772</b>		<b>491.2081</b>	<b>491.2081</b>	<b>9.5000e-003</b>		<b>491.4076</b>

### 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					10.0368	0.0000	10.0368	5.5171	0.0000	5.5171			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>10.0368</b>	<b>2.7542</b>	<b>12.7910</b>	<b>5.5171</b>	<b>2.5339</b>	<b>8.0509</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0650	0.0969	0.8848	1.9300e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		155.7176	155.7176	8.2200e-003		155.8902
<b>Total</b>	<b>0.0650</b>	<b>0.0969</b>	<b>0.8848</b>	<b>1.9300e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>155.7176</b>	<b>155.7176</b>	<b>8.2200e-003</b>		<b>155.8902</b>

#### 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					4.5166	0.0000	4.5166	2.4827	0.0000	2.4827			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>4.5166</b>	<b>2.7542</b>	<b>7.2708</b>	<b>2.4827</b>	<b>2.5339</b>	<b>5.0166</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</b>

### 3.3 Site Preparation - 2017

#### 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	0.0650	0.0969	0.8848	1.9300e-003	0.1698	1.3000e-003	0.1711	0.0450	1.2000e-003	0.0462		155.7176	155.7176	8.2200e-003		155.8902
<b>Total</b>	<b>0.0650</b>	<b>0.0969</b>	<b>0.8848</b>	<b>1.9300e-003</b>	<b>0.1698</b>	<b>1.3000e-003</b>	<b>0.1711</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>		<b>155.7176</b>	<b>155.7176</b>	<b>8.2200e-003</b>		<b>155.8902</b>

### 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					0.6732	0.0000	0.6732	0.3309	0.0000	0.3309			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>0.6732</b>	<b>2.0388</b>	<b>2.7120</b>	<b>0.3309</b>	<b>1.8757</b>	<b>2.2066</b>		<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	0.7975	9.1254	9.7595	0.0251	0.5832	0.1152	0.6984	0.1597	0.1059	0.2656		2,484.5657	2,484.5657	0.0182		2,484.9486
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>0.8516</b>	<b>9.2062</b>	<b>10.4968</b>	<b>0.0267</b>	<b>0.7246</b>	<b>0.1163</b>	<b>0.8409</b>	<b>0.1972</b>	<b>0.1069</b>	<b>0.3041</b>		<b>2,614.3303</b>	<b>2,614.3303</b>	<b>0.0251</b>		<b>2,614.8570</b>

#### 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					0.3029	0.0000	0.3029	0.1489	0.0000	0.1489			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
<b>Total</b>	<b>3.4555</b>	<b>35.9825</b>	<b>25.3812</b>	<b>0.0297</b>	<b>0.3029</b>	<b>2.0388</b>	<b>2.3417</b>	<b>0.1489</b>	<b>1.8757</b>	<b>2.0246</b>	<b>0.0000</b>	<b>3,043.6667</b>	<b>3,043.6667</b>	<b>0.9326</b>		<b>3,063.2507</b>

### 3.4 Grading - 2017

#### 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	0.7975	9.1254	9.7595	0.0251	0.5832	0.1152	0.6984	0.1597	0.1059	0.2656		2,484.5657	2,484.5657	0.0182		2,484.9486
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	0.0542	0.0807	0.7373	1.6100e-003	0.1415	1.0800e-003	0.1425	0.0375	1.0000e-003	0.0385		129.7647	129.7647	6.8500e-003		129.9085
<b>Total</b>	<b>0.8516</b>	<b>9.2062</b>	<b>10.4968</b>	<b>0.0267</b>	<b>0.7246</b>	<b>0.1163</b>	<b>0.8409</b>	<b>0.1972</b>	<b>0.1069</b>	<b>0.3041</b>		<b>2,614.3303</b>	<b>2,614.3303</b>	<b>0.0251</b>		<b>2,614.8570</b>

### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>



### 3.5 Building Construction - 2017

#### 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	1.0228	7.1826	13.4250	0.0188	0.5252	0.1028	0.6280	0.1500	0.0945	0.2444		1,843.194 2	1,843.194 2	0.0146			1,843.500 1
Worker	1.3681	2.0396	18.6295	0.0406	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,278.720 4	3,278.720 4	0.1730			3,282.354 3
<b>Total</b>	<b>2.3909</b>	<b>9.2222</b>	<b>32.0545</b>	<b>0.0593</b>	<b>4.0993</b>	<b>0.1301</b>	<b>4.2294</b>	<b>1.0979</b>	<b>0.1197</b>	<b>1.2176</b>		<b>5,121.914 6</b>	<b>5,121.914 6</b>	<b>0.1876</b>			<b>5,125.854 4</b>

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.805 3</b>	<b>2,639.805 3</b>	<b>0.6497</b>			<b>2,653.449 0</b>

### 3.5 Building Construction - 2017

#### 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	1.0228	7.1826	13.4250	0.0188	0.5252	0.1028	0.6280	0.1500	0.0945	0.2444		1,843.194 2	1,843.194 2	0.0146			1,843.500 1
Worker	1.3681	2.0396	18.6295	0.0406	3.5741	0.0274	3.6015	0.9479	0.0252	0.9732		3,278.720 4	3,278.720 4	0.1730			3,282.354 3
<b>Total</b>	<b>2.3909</b>	<b>9.2222</b>	<b>32.0545</b>	<b>0.0593</b>	<b>4.0993</b>	<b>0.1301</b>	<b>4.2294</b>	<b>1.0979</b>	<b>0.1197</b>	<b>1.2176</b>		<b>5,121.914 6</b>	<b>5,121.914 6</b>	<b>0.1876</b>			<b>5,125.854 4</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.939 0	2,609.939 0	0.6387			2,623.351 7
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>		<b>2,609.939 0</b>	<b>2,609.939 0</b>	<b>0.6387</b>			<b>2,623.351 7</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.9001	6.5048	12.6305	0.0187	0.5251	0.0951	0.6203	0.1499	0.0875	0.2374		1,810.7827	1,810.7827	0.0143			1,811.0834
Worker	1.2174	1.8369	16.5966	0.0405	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,157.0484	3,157.0484	0.1591			3,160.3901
<b>Total</b>	<b>2.1175</b>	<b>8.3417</b>	<b>29.2271</b>	<b>0.0592</b>	<b>4.0992</b>	<b>0.1216</b>	<b>4.2208</b>	<b>1.0979</b>	<b>0.1119</b>	<b>1.2098</b>		<b>4,967.8311</b>	<b>4,967.8311</b>	<b>0.1735</b>			<b>4,971.4735</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>	<b>0.0000</b>	<b>2,609.9389</b>	<b>2,609.9389</b>	<b>0.6387</b>			<b>2,623.3517</b>

### 3.5 Building Construction - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.9001	6.5048	12.6305	0.0187	0.5251	0.0951	0.6203	0.1499	0.0875	0.2374		1,810.7827	1,810.7827	0.0143			1,811.0834
Worker	1.2174	1.8369	16.5966	0.0405	3.5741	0.0265	3.6005	0.9479	0.0245	0.9724		3,157.0484	3,157.0484	0.1591			3,160.3901
<b>Total</b>	<b>2.1175</b>	<b>8.3417</b>	<b>29.2271</b>	<b>0.0592</b>	<b>4.0992</b>	<b>0.1216</b>	<b>4.2208</b>	<b>1.0979</b>	<b>0.1119</b>	<b>1.2098</b>		<b>4,967.8311</b>	<b>4,967.8311</b>	<b>0.1735</b>			<b>4,971.4735</b>

### 3.5 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279			2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>			<b>2,593.9479</b>

### 3.5 Building Construction - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.8272	5.9381	12.1075	0.0187	0.5251	0.0884	0.6135	0.1499	0.0813	0.2312		1,779.614 1	1,779.614 1	0.0140			1,779.908 0
Worker	1.1070	1.6737	15.0204	0.0405	3.5741	0.0259	3.6000	0.9479	0.0240	0.9719		3,043.506 5	3,043.506 5	0.1480			3,046.614 6
<b>Total</b>	<b>1.9342</b>	<b>7.6118</b>	<b>27.1279</b>	<b>0.0592</b>	<b>4.0992</b>	<b>0.1143</b>	<b>4.2135</b>	<b>1.0978</b>	<b>0.1053</b>	<b>1.2031</b>		<b>4,823.120 6</b>	<b>4,823.120 6</b>	<b>0.1620</b>			<b>4,826.522 6</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.761 8	2,580.761 8	0.6279			2,593.947 9
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>	<b>0.0000</b>	<b>2,580.761 8</b>	<b>2,580.761 8</b>	<b>0.6279</b>			<b>2,593.947 9</b>

### 3.5 Building Construction - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.8272	5.9381	12.1075	0.0187	0.5251	0.0884	0.6135	0.1499	0.0813	0.2312		1,779.6141	1,779.6141	0.0140		1,779.9080
Worker	1.1070	1.6737	15.0204	0.0405	3.5741	0.0259	3.6000	0.9479	0.0240	0.9719		3,043.5065	3,043.5065	0.1480		3,046.6146
<b>Total</b>	<b>1.9342</b>	<b>7.6118</b>	<b>27.1279</b>	<b>0.0592</b>	<b>4.0992</b>	<b>0.1143</b>	<b>4.2135</b>	<b>1.0978</b>	<b>0.1053</b>	<b>1.2031</b>		<b>4,823.1206</b>	<b>4,823.1206</b>	<b>0.1620</b>		<b>4,826.5226</b>

### 3.6 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	14.5267					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		282.0721
<b>Total</b>	<b>14.8590</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2744	0.4090	3.7357	8.1300e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		657.4743	657.4743	0.0347			658.2030
<b>Total</b>	<b>0.2744</b>	<b>0.4090</b>	<b>3.7357</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>657.4743</b>	<b>657.4743</b>	<b>0.0347</b>			<b>658.2030</b>

#### 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	14.5267					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			282.0721
<b>Total</b>	<b>14.8590</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.6 Architectural Coating - 2017

#### 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	0.2744	0.4090	3.7357	8.1300e-003	0.7167	5.4900e-003	0.7222	0.1901	5.0600e-003	0.1952		657.4743	657.4743	0.0347			658.2030
<b>Total</b>	<b>0.2744</b>	<b>0.4090</b>	<b>3.7357</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.4900e-003</b>	<b>0.7222</b>	<b>0.1901</b>	<b>5.0600e-003</b>	<b>0.1952</b>		<b>657.4743</b>	<b>657.4743</b>	<b>0.0347</b>			<b>658.2030</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>14.8253</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>



### 3.6 Architectural Coating - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2441	0.3684	3.3281	8.1300e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		633.0757	633.0757	0.0319			633.7458
<b>Total</b>	<b>0.2441</b>	<b>0.3684</b>	<b>3.3281</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>633.0757</b>	<b>633.0757</b>	<b>0.0319</b>			<b>633.7458</b>

#### 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	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267			282.0102
<b>Total</b>	<b>14.8253</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>			<b>282.0102</b>

### 3.6 Architectural Coating - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2441	0.3684	3.3281	8.1300e-003	0.7167	5.3000e-003	0.7220	0.1901	4.9000e-003	0.1950		633.0757	633.0757	0.0319			633.7458
<b>Total</b>	<b>0.2441</b>	<b>0.3684</b>	<b>3.3281</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.3000e-003</b>	<b>0.7220</b>	<b>0.1901</b>	<b>4.9000e-003</b>	<b>0.1950</b>		<b>633.0757</b>	<b>633.0757</b>	<b>0.0319</b>			<b>633.7458</b>

### 3.6 Architectural Coating - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473
<b>Total</b>	<b>14.7931</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>			<b>281.9473</b>

### 3.6 Architectural Coating - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
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	0.2220	0.3356	3.0120	8.1300e-003	0.7167	5.1900e-003	0.7219	0.1901	4.8100e-003	0.1949		610.3074	610.3074	0.0297			610.9306
<b>Total</b>	<b>0.2220</b>	<b>0.3356</b>	<b>3.0120</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.1900e-003</b>	<b>0.7219</b>	<b>0.1901</b>	<b>4.8100e-003</b>	<b>0.1949</b>		<b>610.3074</b>	<b>610.3074</b>	<b>0.0297</b>			<b>610.9306</b>

#### 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	14.5267					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473
<b>Total</b>	<b>14.7931</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>			<b>281.9473</b>

### 3.6 Architectural Coating - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2220	0.3356	3.0120	8.1300e-003	0.7167	5.1900e-003	0.7219	0.1901	4.8100e-003	0.1949		610.3074	610.3074	0.0297			610.9306
<b>Total</b>	<b>0.2220</b>	<b>0.3356</b>	<b>3.0120</b>	<b>8.1300e-003</b>	<b>0.7167</b>	<b>5.1900e-003</b>	<b>0.7219</b>	<b>0.1901</b>	<b>4.8100e-003</b>	<b>0.1949</b>		<b>610.3074</b>	<b>610.3074</b>	<b>0.0297</b>			<b>610.9306</b>

### 3.7 Paving - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585			1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2520</b>	<b>12.5889</b>	<b>12.1441</b>	<b>0.0187</b>		<b>0.7111</b>	<b>0.7111</b>		<b>0.6560</b>	<b>0.6560</b>		<b>1,816.2490</b>	<b>1,816.2490</b>	<b>0.5585</b>			<b>1,827.9782</b>

### 3.7 Paving - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
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	0.0584	0.0883	0.7926	2.1400e-003	0.1886	1.3700e-003	0.1900	0.0500	1.2700e-003	0.0513		160.6072	160.6072	7.8100e-003			160.7712
<b>Total</b>	<b>0.0584</b>	<b>0.0883</b>	<b>0.7926</b>	<b>2.1400e-003</b>	<b>0.1886</b>	<b>1.3700e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2700e-003</b>	<b>0.0513</b>		<b>160.6072</b>	<b>160.6072</b>	<b>7.8100e-003</b>			<b>160.7712</b>

#### 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	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585			1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2520</b>	<b>12.5889</b>	<b>12.1441</b>	<b>0.0187</b>		<b>0.7111</b>	<b>0.7111</b>		<b>0.6560</b>	<b>0.6560</b>	<b>0.0000</b>	<b>1,816.2490</b>	<b>1,816.2490</b>	<b>0.5585</b>			<b>1,827.9782</b>

### 3.7 Paving - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0584	0.0883	0.7926	2.1400e-003	0.1886	1.3700e-003	0.1900	0.0500	1.2700e-003	0.0513		160.6072	160.6072	7.8100e-003		160.7712
<b>Total</b>	<b>0.0584</b>	<b>0.0883</b>	<b>0.7926</b>	<b>2.1400e-003</b>	<b>0.1886</b>	<b>1.3700e-003</b>	<b>0.1900</b>	<b>0.0500</b>	<b>1.2700e-003</b>	<b>0.0513</b>		<b>160.6072</b>	<b>160.6072</b>	<b>7.8100e-003</b>		<b>160.7712</b>

### 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	21.6261	46.6487	215.9693	0.2886	21.0068	0.6470	21.6538	5.6191	0.5935	6.2126		26,643.3740	26,643.3740	1.3644		26,672.0254
Unmitigated	21.6261	46.6487	215.9693	0.2886	21.0068	0.6470	21.6538	5.6191	0.5935	6.2126		26,643.3740	26,643.3740	1.3644		26,672.0254

**Webster & 12th Construction - 30 Months**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	58.38	1000sqft	1.34	58,385.00	0
Enclosed Parking with Elevator	317.00	Space	0.00	126,800.00	0
Apartments Mid Rise	416.00	Dwelling Unit	1.72	300,330.00	1190
Strip Mall	25.05	1000sqft	0.00	25,050.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2014
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Project Characteristics -

## Land Use - Project Specifications

## Construction Phase - Custom 30.0 Month Schedule

## Demolition -

## Grading - Project Specifications

Architectural Coating - Corrects known error where parking lot is treated as Non-Residential space coated at twice the floor area. Parking lot coating reduced to 6% of area per Appendix E, or 9,999 sq. ft.

Construction Off-road Equipment Mitigation - From SCAQMD Mitigation Measures and Control Efficiencies, Fugitive Dust Table XI-C, value for "Local streets" implementing a street sweeping program with Rule 1186 compliant PM10 efficient vacuum units (14-day frequency).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstructionPhase	NumDays	18.00	442.00
tblConstructionPhase	NumDays	230.00	442.00
tblConstructionPhase	NumDays	20.00	84.00
tblConstructionPhase	NumDays	8.00	83.00
tblConstructionPhase	NumDays	18.00	35.00
tblConstructionPhase	NumDays	5.00	9.00
tblConstructionPhase	PhaseEndDate	1/22/2021	5/15/2019
tblConstructionPhase	PhaseStartDate	5/16/2019	9/5/2017
tblGrading	MaterialExported	0.00	22,222.00
tblGrading	MaterialImported	0.00	8,333.00
tblLandUse	LandUseSquareFeet	58,380.00	58,385.00
tblLandUse	LandUseSquareFeet	416,000.00	300,330.00
tblLandUse	LotAcreage	2.85	0.00
tblLandUse	LotAcreage	10.95	1.72
tblLandUse	LotAcreage	0.58	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,778.00



## 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	1.2314	5.5466	5.3145	8.5300e-003	0.3510	0.2796	0.6306	0.1081	0.2603	0.3684	0.0000	735.9132	735.9132	0.1180	0.0000	738.3910
2018	2.5667	4.3990	6.3778	0.0127	0.6050	0.2311	0.8361	0.1623	0.2182	0.3805	0.0000	1,010.3785	1,010.3785	0.1031	0.0000	1,012.5429
2019	0.9509	1.7012	2.4662	5.1000e-003	0.2280	0.0868	0.3148	0.0612	0.0817	0.1428	0.0000	398.2019	398.2019	0.0461	0.0000	399.1697
<b>Total</b>	<b>4.7491</b>	<b>11.6467</b>	<b>14.1585</b>	<b>0.0264</b>	<b>1.1840</b>	<b>0.5976</b>	<b>1.7816</b>	<b>0.3316</b>	<b>0.5601</b>	<b>0.8917</b>	<b>0.0000</b>	<b>2,144.4936</b>	<b>2,144.4936</b>	<b>0.2672</b>	<b>0.0000</b>	<b>2,150.1037</b>

#### 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	1.2314	5.5466	5.3145	8.5300e-003	0.2865	0.2796	0.5661	0.0832	0.2603	0.3435	0.0000	735.9128	735.9128	0.1180	0.0000	738.3906
2018	2.5667	4.3990	6.3778	0.0127	0.6050	0.2311	0.8361	0.1623	0.2182	0.3805	0.0000	1,010.3781	1,010.3781	0.1031	0.0000	1,012.5425
2019	0.9509	1.7011	2.4662	5.1000e-003	0.2280	0.0868	0.3148	0.0612	0.0817	0.1428	0.0000	398.2017	398.2017	0.0461	0.0000	399.1695
<b>Total</b>	<b>4.7491</b>	<b>11.6467</b>	<b>14.1585</b>	<b>0.0264</b>	<b>1.1194</b>	<b>0.5976</b>	<b>1.7170</b>	<b>0.3067</b>	<b>0.5601</b>	<b>0.8668</b>	<b>0.0000</b>	<b>2,144.4926</b>	<b>2,144.4926</b>	<b>0.2672</b>	<b>0.0000</b>	<b>2,150.1026</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	5.45	0.00	3.62	7.51	0.00	2.79	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	tons/yr										MT/yr					
Area	2.7815	0.0490	3.9950	1.7500e-003		0.1436	0.1436		0.1436	0.1436	14.7866	16.0524	30.8390	0.0553	5.7000e-004	32.1771
Energy	0.0269	0.2337	0.1260	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	1,272.6834	1,272.6834	0.0506	0.0143	1,278.1780
Mobile	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.6211	3,962.6211	0.2014	0.0000	3,966.8501
Waste						0.0000	0.0000		0.0000	0.0000	55.2034	0.0000	55.2034	3.2624	0.0000	123.7144
Water						0.0000	0.0000		0.0000	0.0000	12.4794	86.9505	99.4299	1.2857	0.0311	136.0636
<b>Total</b>	<b>6.0500</b>	<b>7.5785</b>	<b>36.1906</b>	<b>0.0505</b>	<b>3.2935</b>	<b>0.2669</b>	<b>3.5603</b>	<b>0.8838</b>	<b>0.2582</b>	<b>1.1420</b>	<b>82.4694</b>	<b>5,338.3074</b>	<b>5,420.7768</b>	<b>4.8555</b>	<b>0.0460</b>	<b>5,536.9831</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.7815	0.0490	3.9950	1.7500e-003		0.1436	0.1436		0.1436	0.1436	14.7866	16.0524	30.8390	0.0553	5.7000e-004	32.1771
Energy	0.0269	0.2337	0.1260	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	1,272.6834	1,272.6834	0.0506	0.0143	1,278.1780
Mobile	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.6211	3,962.6211	0.2014	0.0000	3,966.8501
Waste						0.0000	0.0000		0.0000	0.0000	55.2034	0.0000	55.2034	3.2624	0.0000	123.7144
Water						0.0000	0.0000		0.0000	0.0000	12.4794	86.9505	99.4299	1.2855	0.0310	136.0437
<b>Total</b>	<b>6.0500</b>	<b>7.5785</b>	<b>36.1906</b>	<b>0.0505</b>	<b>3.2935</b>	<b>0.2669</b>	<b>3.5603</b>	<b>0.8838</b>	<b>0.2582</b>	<b>1.1420</b>	<b>82.4694</b>	<b>5,338.3074</b>	<b>5,420.7768</b>	<b>4.8552</b>	<b>0.0459</b>	<b>5,536.9632</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	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	1/1/2017	4/27/2017	5	84	
2	Site Preparation	Site Preparation	4/28/2017	5/10/2017	5	9	
3	Grading	Grading	5/11/2017	9/4/2017	5	83	
4	Building Construction	Building Construction	9/5/2017	5/15/2019	5	442	
5	Architectural Coating	Architectural Coating	9/5/2017	5/15/2019	5	442	
6	Paving	Paving	5/16/2019	7/3/2019	5	35	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4**

**Acres of Paving: 0**

**Residential Indoor: 608,168; Residential Outdoor: 202,723; Non-Residential Indoor: 315,353; Non-Residential Outdoor: 105,118 (Architectural Coating – sqft)**

**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	2	8.00	255	0.40
Demolition	Excavators	3	8.00	162	0.38
Grading	Excavators	1	8.00	162	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	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	6	15.00	0.00	409.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	2,778.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	379.00	79.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	12.40	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					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1700	1.7933	1.4235	1.6800e-003		0.0893	0.0893		0.0832	0.0832	0.0000	153.7965	153.7965	0.0422	0.0000	154.6825
<b>Total</b>	<b>0.1700</b>	<b>1.7933</b>	<b>1.4235</b>	<b>1.6800e-003</b>	<b>0.0443</b>	<b>0.0893</b>	<b>0.1336</b>	<b>6.7100e-003</b>	<b>0.0832</b>	<b>0.0899</b>	<b>0.0000</b>	<b>153.7965</b>	<b>153.7965</b>	<b>0.0422</b>	<b>0.0000</b>	<b>154.6825</b>

### 3.2 Demolition - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4700e-003	0.0549	0.0502	1.5000e-004	3.4400e-003	7.0000e-004	4.1500e-003	9.5000e-004	6.5000e-004	1.5900e-003	0.0000	13.7904	13.7904	1.0000e-004	0.0000	13.7925
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	2.1200e-003	3.1000e-003	0.0298	7.0000e-005	5.7100e-003	5.0000e-005	5.7600e-003	1.5200e-003	4.0000e-005	1.5600e-003	0.0000	4.9886	4.9886	2.6000e-004	0.0000	4.9941
<b>Total</b>	<b>6.5900e-003</b>	<b>0.0580</b>	<b>0.0801</b>	<b>2.2000e-004</b>	<b>9.1500e-003</b>	<b>7.5000e-004</b>	<b>9.9100e-003</b>	<b>2.4700e-003</b>	<b>6.9000e-004</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>18.7790</b>	<b>18.7790</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>18.7866</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0199	0.0000	0.0199	3.0200e-003	0.0000	3.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1700	1.7933	1.4235	1.6800e-003		0.0893	0.0893		0.0832	0.0832	0.0000	153.7963	153.7963	0.0422	0.0000	154.6823
<b>Total</b>	<b>0.1700</b>	<b>1.7933</b>	<b>1.4235</b>	<b>1.6800e-003</b>	<b>0.0199</b>	<b>0.0893</b>	<b>0.1092</b>	<b>3.0200e-003</b>	<b>0.0832</b>	<b>0.0862</b>	<b>0.0000</b>	<b>153.7963</b>	<b>153.7963</b>	<b>0.0422</b>	<b>0.0000</b>	<b>154.6823</b>

### 3.2 Demolition - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4700e-003	0.0549	0.0502	1.5000e-004	3.4400e-003	7.0000e-004	4.1500e-003	9.5000e-004	6.5000e-004	1.5900e-003	0.0000	13.7904	13.7904	1.0000e-004	0.0000	13.7925
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	2.1200e-003	3.1000e-003	0.0298	7.0000e-005	5.7100e-003	5.0000e-005	5.7600e-003	1.5200e-003	4.0000e-005	1.5600e-003	0.0000	4.9886	4.9886	2.6000e-004	0.0000	4.9941
<b>Total</b>	<b>6.5900e-003</b>	<b>0.0580</b>	<b>0.0801</b>	<b>2.2000e-004</b>	<b>9.1500e-003</b>	<b>7.5000e-004</b>	<b>9.9100e-003</b>	<b>2.4700e-003</b>	<b>6.9000e-004</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>18.7790</b>	<b>18.7790</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>18.7866</b>

### 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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0218	0.2329	0.1773	1.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	16.3419	16.3419	5.0100e-003	0.0000	16.4471
<b>Total</b>	<b>0.0218</b>	<b>0.2329</b>	<b>0.1773</b>	<b>1.8000e-004</b>	<b>0.0452</b>	<b>0.0124</b>	<b>0.0576</b>	<b>0.0248</b>	<b>0.0114</b>	<b>0.0362</b>	<b>0.0000</b>	<b>16.3419</b>	<b>16.3419</b>	<b>5.0100e-003</b>	<b>0.0000</b>	<b>16.4471</b>



### 3.3 Site Preparation - 2017

#### 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	2.7000e-004	4.0000e-004	3.8300e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6414	0.6414	3.0000e-005	0.0000	0.6421
<b>Total</b>	<b>2.7000e-004</b>	<b>4.0000e-004</b>	<b>3.8300e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>2.0000e-004</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6414</b>	<b>0.6414</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.6421</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0218	0.2329	0.1773	1.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	16.3419	16.3419	5.0100e-003	0.0000	16.4471
<b>Total</b>	<b>0.0218</b>	<b>0.2329</b>	<b>0.1773</b>	<b>1.8000e-004</b>	<b>0.0203</b>	<b>0.0124</b>	<b>0.0327</b>	<b>0.0112</b>	<b>0.0114</b>	<b>0.0226</b>	<b>0.0000</b>	<b>16.3419</b>	<b>16.3419</b>	<b>5.0100e-003</b>	<b>0.0000</b>	<b>16.4471</b>

### 3.3 Site Preparation - 2017

#### 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	2.7000e-004	4.0000e-004	3.8300e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6414	0.6414	3.0000e-005	0.0000	0.6421
<b>Total</b>	<b>2.7000e-004</b>	<b>4.0000e-004</b>	<b>3.8300e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>2.0000e-004</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6414</b>	<b>0.6414</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.6421</b>

### 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					0.0279	0.0000	0.0279	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1434	1.4933	1.0533	1.2300e-003		0.0846	0.0846		0.0778	0.0778	0.0000	114.5885	114.5885	0.0351	0.0000	115.3258
<b>Total</b>	<b>0.1434</b>	<b>1.4933</b>	<b>1.0533</b>	<b>1.2300e-003</b>	<b>0.0279</b>	<b>0.0846</b>	<b>0.1126</b>	<b>0.0137</b>	<b>0.0778</b>	<b>0.0916</b>	<b>0.0000</b>	<b>114.5885</b>	<b>114.5885</b>	<b>0.0351</b>	<b>0.0000</b>	<b>115.3258</b>

### 3.4 Grading - 2017

#### 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	0.0303	0.3729	0.3411	1.0400e-003	0.0234	4.7700e-003	0.0282	6.4300e-003	4.3900e-003	0.0108	0.0000	93.6665	93.6665	6.8000e-004	0.0000	93.6808
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	2.0900e-003	3.0600e-003	0.0295	7.0000e-005	5.6500e-003	4.0000e-005	5.6900e-003	1.5000e-003	4.0000e-005	1.5400e-003	0.0000	4.9292	4.9292	2.6000e-004	0.0000	4.9347
<b>Total</b>	<b>0.0324</b>	<b>0.3759</b>	<b>0.3706</b>	<b>1.1100e-003</b>	<b>0.0291</b>	<b>4.8100e-003</b>	<b>0.0339</b>	<b>7.9300e-003</b>	<b>4.4300e-003</b>	<b>0.0124</b>	<b>0.0000</b>	<b>98.5957</b>	<b>98.5957</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>98.6155</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0126	0.0000	0.0126	6.1800e-003	0.0000	6.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1434	1.4933	1.0533	1.2300e-003		0.0846	0.0846		0.0778	0.0778	0.0000	114.5883	114.5883	0.0351	0.0000	115.3256
<b>Total</b>	<b>0.1434</b>	<b>1.4933</b>	<b>1.0533</b>	<b>1.2300e-003</b>	<b>0.0126</b>	<b>0.0846</b>	<b>0.0972</b>	<b>6.1800e-003</b>	<b>0.0778</b>	<b>0.0840</b>	<b>0.0000</b>	<b>114.5883</b>	<b>114.5883</b>	<b>0.0351</b>	<b>0.0000</b>	<b>115.3256</b>

### 3.4 Grading - 2017

#### 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	0.0303	0.3729	0.3411	1.0400e-003	0.0234	4.7700e-003	0.0282	6.4300e-003	4.3900e-003	0.0108	0.0000	93.6665	93.6665	6.8000e-004	0.0000	93.6808
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	2.0900e-003	3.0600e-003	0.0295	7.0000e-005	5.6500e-003	4.0000e-005	5.6900e-003	1.5000e-003	4.0000e-005	1.5400e-003	0.0000	4.9292	4.9292	2.6000e-004	0.0000	4.9347
<b>Total</b>	<b>0.0324</b>	<b>0.3759</b>	<b>0.3706</b>	<b>1.1100e-003</b>	<b>0.0291</b>	<b>4.8100e-003</b>	<b>0.0339</b>	<b>7.9300e-003</b>	<b>4.4300e-003</b>	<b>0.0124</b>	<b>0.0000</b>	<b>98.5957</b>	<b>98.5957</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>98.6155</b>

### 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	0.1303	1.1090	0.7614	1.1300e-003		0.0748	0.0748		0.0703	0.0703	0.0000	100.5812	100.5812	0.0248	0.0000	101.1011
<b>Total</b>	<b>0.1303</b>	<b>1.1090</b>	<b>0.7614</b>	<b>1.1300e-003</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0703</b>	<b>0.0703</b>	<b>0.0000</b>	<b>100.5812</b>	<b>100.5812</b>	<b>0.0248</b>	<b>0.0000</b>	<b>101.1011</b>

### 3.5 Building Construction - 2017

#### 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	0.0383	0.2980	0.4613	7.9000e-004	0.0214	4.2900e-003	0.0257	6.1300e-003	3.9400e-003	0.0101	0.0000	70.5438	70.5438	5.5000e-004	0.0000	70.5553
Worker	0.0536	0.0783	0.7536	1.7200e-003	0.1444	1.1500e-003	0.1455	0.0384	1.0600e-003	0.0395	0.0000	126.0458	126.0458	6.5900e-003	0.0000	126.1843
<b>Total</b>	<b>0.0918</b>	<b>0.3763</b>	<b>1.2149</b>	<b>2.5100e-003</b>	<b>0.1658</b>	<b>5.4400e-003</b>	<b>0.1712</b>	<b>0.0445</b>	<b>5.0000e-003</b>	<b>0.0495</b>	<b>0.0000</b>	<b>196.5897</b>	<b>196.5897</b>	<b>7.1400e-003</b>	<b>0.0000</b>	<b>196.7396</b>

#### 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	0.1303	1.1090	0.7614	1.1300e-003		0.0748	0.0748		0.0703	0.0703	0.0000	100.5811	100.5811	0.0248	0.0000	101.1010
<b>Total</b>	<b>0.1303</b>	<b>1.1090</b>	<b>0.7614</b>	<b>1.1300e-003</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0703</b>	<b>0.0703</b>	<b>0.0000</b>	<b>100.5811</b>	<b>100.5811</b>	<b>0.0248</b>	<b>0.0000</b>	<b>101.1010</b>

**3.5 Building Construction - 2017****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	0.0383	0.2980	0.4613	7.9000e-004	0.0214	4.2900e-003	0.0257	6.1300e-003	3.9400e-003	0.0101	0.0000	70.5438	70.5438	5.5000e-004	0.0000	70.5553
Worker	0.0536	0.0783	0.7536	1.7200e-003	0.1444	1.1500e-003	0.1455	0.0384	1.0600e-003	0.0395	0.0000	126.0458	126.0458	6.5900e-003	0.0000	126.1843
<b>Total</b>	<b>0.0918</b>	<b>0.3763</b>	<b>1.2149</b>	<b>2.5100e-003</b>	<b>0.1658</b>	<b>5.4400e-003</b>	<b>0.1712</b>	<b>0.0445</b>	<b>5.0000e-003</b>	<b>0.0495</b>	<b>0.0000</b>	<b>196.5897</b>	<b>196.5897</b>	<b>7.1400e-003</b>	<b>0.0000</b>	<b>196.7396</b>

**3.5 Building Construction - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9844	308.9844	0.0756	0.0000	310.5723
<b>Total</b>	<b>0.3483</b>	<b>3.0355</b>	<b>2.2880</b>	<b>3.5000e-003</b>		<b>0.1950</b>	<b>0.1950</b>		<b>0.1833</b>	<b>0.1833</b>	<b>0.0000</b>	<b>308.9844</b>	<b>308.9844</b>	<b>0.0756</b>	<b>0.0000</b>	<b>310.5723</b>

### 3.5 Building Construction - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1056	0.8387	1.3341	2.4500e-003	0.0664	0.0123	0.0787	0.0190	0.0114	0.0304	0.0000	215.3382	215.3382	1.6700e-003	0.0000	215.3732
Worker	0.1484	0.2190	2.0939	5.3400e-003	0.4487	3.4500e-003	0.4521	0.1193	3.1900e-003	0.1225	0.0000	377.1141	377.1141	0.0188	0.0000	377.5097
<b>Total</b>	<b>0.2540</b>	<b>1.0578</b>	<b>3.4280</b>	<b>7.7900e-003</b>	<b>0.5150</b>	<b>0.0158</b>	<b>0.5308</b>	<b>0.1384</b>	<b>0.0145</b>	<b>0.1529</b>	<b>0.0000</b>	<b>592.4523</b>	<b>592.4523</b>	<b>0.0205</b>	<b>0.0000</b>	<b>592.8829</b>

#### 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	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9841	308.9841	0.0756	0.0000	310.5720
<b>Total</b>	<b>0.3483</b>	<b>3.0355</b>	<b>2.2880</b>	<b>3.5000e-003</b>		<b>0.1950</b>	<b>0.1950</b>		<b>0.1833</b>	<b>0.1833</b>	<b>0.0000</b>	<b>308.9841</b>	<b>308.9841</b>	<b>0.0756</b>	<b>0.0000</b>	<b>310.5720</b>

### 3.5 Building Construction - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1056	0.8387	1.3341	2.4500e-003	0.0664	0.0123	0.0787	0.0190	0.0114	0.0304	0.0000	215.3382	215.3382	1.6700e-003	0.0000	215.3732
Worker	0.1484	0.2190	2.0939	5.3400e-003	0.4487	3.4500e-003	0.4521	0.1193	3.1900e-003	0.1225	0.0000	377.1141	377.1141	0.0188	0.0000	377.5097
<b>Total</b>	<b>0.2540</b>	<b>1.0578</b>	<b>3.4280</b>	<b>7.7900e-003</b>	<b>0.5150</b>	<b>0.0158</b>	<b>0.5308</b>	<b>0.1384</b>	<b>0.0145</b>	<b>0.1529</b>	<b>0.0000</b>	<b>592.4523</b>	<b>592.4523</b>	<b>0.0205</b>	<b>0.0000</b>	<b>592.8829</b>

### 3.5 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1141	1.0168	0.8303	1.3000e-003		0.0623	0.0623		0.0586	0.0586	0.0000	113.5495	113.5495	0.0276	0.0000	114.1297
<b>Total</b>	<b>0.1141</b>	<b>1.0168</b>	<b>0.8303</b>	<b>1.3000e-003</b>		<b>0.0623</b>	<b>0.0623</b>		<b>0.0586</b>	<b>0.0586</b>	<b>0.0000</b>	<b>113.5495</b>	<b>113.5495</b>	<b>0.0276</b>	<b>0.0000</b>	<b>114.1297</b>



### 3.5 Building Construction - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	0.2846	0.4726	9.1000e-004	0.0247	4.2600e-003	0.0289	7.0700e-003	3.9200e-003	0.0110	0.0000	78.6532	78.6532	6.1000e-004	0.0000	78.6659
Worker	0.0502	0.0741	0.7064	1.9800e-003	0.1667	1.2600e-003	0.1680	0.0444	1.1600e-003	0.0455	0.0000	135.1147	135.1147	6.5100e-003	0.0000	135.2514
<b>Total</b>	<b>0.0865</b>	<b>0.3587</b>	<b>1.1789</b>	<b>2.8900e-003</b>	<b>0.1914</b>	<b>5.5200e-003</b>	<b>0.1969</b>	<b>0.0514</b>	<b>5.0800e-003</b>	<b>0.0565</b>	<b>0.0000</b>	<b>213.7678</b>	<b>213.7678</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>213.9173</b>

#### 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	0.1141	1.0168	0.8303	1.3000e-003		0.0623	0.0623		0.0586	0.0586	0.0000	113.5494	113.5494	0.0276	0.0000	114.1296
<b>Total</b>	<b>0.1141</b>	<b>1.0168</b>	<b>0.8303</b>	<b>1.3000e-003</b>		<b>0.0623</b>	<b>0.0623</b>		<b>0.0586</b>	<b>0.0586</b>	<b>0.0000</b>	<b>113.5494</b>	<b>113.5494</b>	<b>0.0276</b>	<b>0.0000</b>	<b>114.1296</b>

### 3.5 Building Construction - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	0.2846	0.4726	9.1000e-004	0.0247	4.2600e-003	0.0289	7.0700e-003	3.9200e-003	0.0110	0.0000	78.6532	78.6532	6.1000e-004	0.0000	78.6659
Worker	0.0502	0.0741	0.7064	1.9800e-003	0.1667	1.2600e-003	0.1680	0.0444	1.1600e-003	0.0455	0.0000	135.1147	135.1147	6.5100e-003	0.0000	135.2514
<b>Total</b>	<b>0.0865</b>	<b>0.3587</b>	<b>1.1789</b>	<b>2.8900e-003</b>	<b>0.1914</b>	<b>5.5200e-003</b>	<b>0.1969</b>	<b>0.0514</b>	<b>5.0800e-003</b>	<b>0.0565</b>	<b>0.0000</b>	<b>213.7678</b>	<b>213.7678</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>213.9173</b>

### 3.6 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	0.6101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0918	0.0785	1.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	10.7237	10.7237	1.1300e-003	0.0000	10.7474
<b>Total</b>	<b>0.6241</b>	<b>0.0918</b>	<b>0.0785</b>	<b>1.2000e-004</b>		<b>7.2800e-003</b>	<b>7.2800e-003</b>		<b>7.2800e-003</b>	<b>7.2800e-003</b>	<b>0.0000</b>	<b>10.7237</b>	<b>10.7237</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>10.7474</b>

### 3.6 Architectural Coating - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0107	0.0157	0.1511	3.4000e-004	0.0290	2.3000e-004	0.0292	7.7000e-003	2.1000e-004	7.9100e-003	0.0000	25.2757	25.2757	1.3200e-003	0.0000	25.3035
<b>Total</b>	<b>0.0107</b>	<b>0.0157</b>	<b>0.1511</b>	<b>3.4000e-004</b>	<b>0.0290</b>	<b>2.3000e-004</b>	<b>0.0292</b>	<b>7.7000e-003</b>	<b>2.1000e-004</b>	<b>7.9100e-003</b>	<b>0.0000</b>	<b>25.2757</b>	<b>25.2757</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>25.3035</b>

#### 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	0.6101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0918	0.0785	1.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	10.7237	10.7237	1.1300e-003	0.0000	10.7474
<b>Total</b>	<b>0.6241</b>	<b>0.0918</b>	<b>0.0785</b>	<b>1.2000e-004</b>		<b>7.2800e-003</b>	<b>7.2800e-003</b>		<b>7.2800e-003</b>	<b>7.2800e-003</b>	<b>0.0000</b>	<b>10.7237</b>	<b>10.7237</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>10.7474</b>

### 3.6 Architectural Coating - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0107	0.0157	0.1511	3.4000e-004	0.0290	2.3000e-004	0.0292	7.7000e-003	2.1000e-004	7.9100e-003	0.0000	25.2757	25.2757	1.3200e-003	0.0000	25.3035
<b>Total</b>	<b>0.0107</b>	<b>0.0157</b>	<b>0.1511</b>	<b>3.4000e-004</b>	<b>0.0290</b>	<b>2.3000e-004</b>	<b>0.0292</b>	<b>7.7000e-003</b>	<b>2.1000e-004</b>	<b>7.9100e-003</b>	<b>0.0000</b>	<b>25.2757</b>	<b>25.2757</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>25.3035</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8957					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.2618	0.2420	3.9000e-004		0.0197	0.0197		0.0197	0.0197	0.0000	33.3200	33.3200	3.1700e-003	0.0000	33.3865
<b>Total</b>	<b>1.9347</b>	<b>0.2618</b>	<b>0.2420</b>	<b>3.9000e-004</b>		<b>0.0197</b>	<b>0.0197</b>		<b>0.0197</b>	<b>0.0197</b>	<b>0.0000</b>	<b>33.3200</b>	<b>33.3200</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>33.3865</b>

### 3.6 Architectural Coating - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	0.0298	0.0439	0.4199	1.0700e-003	0.0900	6.9000e-004	0.0907	0.0239	6.4000e-004	0.0246	0.0000	75.6218	75.6218	3.7800e-003	0.0000	75.7012	
<b>Total</b>	<b>0.0298</b>	<b>0.0439</b>	<b>0.4199</b>	<b>1.0700e-003</b>	<b>0.0900</b>	<b>6.9000e-004</b>	<b>0.0907</b>	<b>0.0239</b>	<b>6.4000e-004</b>	<b>0.0246</b>	<b>0.0000</b>	<b>75.6218</b>	<b>75.6218</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>75.7012</b>	

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8957					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.2618	0.2420	3.9000e-004		0.0197	0.0197		0.0197	0.0197	0.0000	33.3200	33.3200	3.1700e-003	0.0000	33.3865
<b>Total</b>	<b>1.9347</b>	<b>0.2618</b>	<b>0.2420</b>	<b>3.9000e-004</b>		<b>0.0197</b>	<b>0.0197</b>		<b>0.0197</b>	<b>0.0197</b>	<b>0.0000</b>	<b>33.3200</b>	<b>33.3200</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>33.3865</b>

### 3.6 Architectural Coating - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	0.0439	0.4199	1.0700e-003	0.0900	6.9000e-004	0.0907	0.0239	6.4000e-004	0.0246	0.0000	75.6218	75.6218	3.7800e-003	0.0000	75.7012
<b>Total</b>	<b>0.0298</b>	<b>0.0439</b>	<b>0.4199</b>	<b>1.0700e-003</b>	<b>0.0900</b>	<b>6.9000e-004</b>	<b>0.0907</b>	<b>0.0239</b>	<b>6.4000e-004</b>	<b>0.0246</b>	<b>0.0000</b>	<b>75.6218</b>	<b>75.6218</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>75.7012</b>

### 3.6 Architectural Coating - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7045					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.0890	0.0893	1.4000e-004		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	12.3833	12.3833	1.0500e-003	0.0000	12.4053
<b>Total</b>	<b>0.7175</b>	<b>0.0890</b>	<b>0.0893</b>	<b>1.4000e-004</b>		<b>6.2500e-003</b>	<b>6.2500e-003</b>		<b>6.2500e-003</b>	<b>6.2500e-003</b>	<b>0.0000</b>	<b>12.3833</b>	<b>12.3833</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>12.4053</b>

### 3.6 Architectural Coating - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	0.0101	0.0149	0.1417	4.0000e-004	0.0334	2.5000e-004	0.0337	8.8900e-003	2.3000e-004	9.1300e-003	0.0000	27.0942	27.0942	1.3100e-003	0.0000	27.1217	
<b>Total</b>	<b>0.0101</b>	<b>0.0149</b>	<b>0.1417</b>	<b>4.0000e-004</b>	<b>0.0334</b>	<b>2.5000e-004</b>	<b>0.0337</b>	<b>8.8900e-003</b>	<b>2.3000e-004</b>	<b>9.1300e-003</b>	<b>0.0000</b>	<b>27.0942</b>	<b>27.0942</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>27.1217</b>	

#### 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	0.7045					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.0890	0.0893	1.4000e-004		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	12.3833	12.3833	1.0500e-003	0.0000	12.4052
<b>Total</b>	<b>0.7175</b>	<b>0.0890</b>	<b>0.0893</b>	<b>1.4000e-004</b>		<b>6.2500e-003</b>	<b>6.2500e-003</b>		<b>6.2500e-003</b>	<b>6.2500e-003</b>	<b>0.0000</b>	<b>12.3833</b>	<b>12.3833</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>12.4052</b>

### 3.6 Architectural Coating - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	0.0149	0.1417	4.0000e-004	0.0334	2.5000e-004	0.0337	8.8900e-003	2.3000e-004	9.1300e-003	0.0000	27.0942	27.0942	1.3100e-003	0.0000	27.1217
<b>Total</b>	<b>0.0101</b>	<b>0.0149</b>	<b>0.1417</b>	<b>4.0000e-004</b>	<b>0.0334</b>	<b>2.5000e-004</b>	<b>0.0337</b>	<b>8.8900e-003</b>	<b>2.3000e-004</b>	<b>9.1300e-003</b>	<b>0.0000</b>	<b>27.0942</b>	<b>27.0942</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>27.1217</b>

### 3.7 Paving - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.2203	0.2125	3.3000e-004		0.0124	0.0124		0.0115	0.0115	0.0000	28.8343	28.8343	8.8700e-003	0.0000	29.0205
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0219</b>	<b>0.2203</b>	<b>0.2125</b>	<b>3.3000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>28.8343</b>	<b>28.8343</b>	<b>8.8700e-003</b>	<b>0.0000</b>	<b>29.0205</b>



### 3.7 Paving - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	1.4100e-003	0.0135	4.0000e-005	3.1700e-003	2.0000e-005	3.2000e-003	8.4000e-004	2.0000e-005	8.7000e-004	0.0000	2.5727	2.5727	1.2000e-004	0.0000	2.5753
<b>Total</b>	<b>9.6000e-004</b>	<b>1.4100e-003</b>	<b>0.0135</b>	<b>4.0000e-005</b>	<b>3.1700e-003</b>	<b>2.0000e-005</b>	<b>3.2000e-003</b>	<b>8.4000e-004</b>	<b>2.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>2.5727</b>	<b>2.5727</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.5753</b>

#### 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	0.0219	0.2203	0.2125	3.3000e-004		0.0124	0.0124		0.0115	0.0115	0.0000	28.8343	28.8343	8.8700e-003	0.0000	29.0205
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0219</b>	<b>0.2203</b>	<b>0.2125</b>	<b>3.3000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>28.8343</b>	<b>28.8343</b>	<b>8.8700e-003</b>	<b>0.0000</b>	<b>29.0205</b>

### 3.7 Paving - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	1.4100e-003	0.0135	4.0000e-005	3.1700e-003	2.0000e-005	3.2000e-003	8.4000e-004	2.0000e-005	8.7000e-004	0.0000	2.5727	2.5727	1.2000e-004	0.0000	2.5753
<b>Total</b>	<b>9.6000e-004</b>	<b>1.4100e-003</b>	<b>0.0135</b>	<b>4.0000e-005</b>	<b>3.1700e-003</b>	<b>2.0000e-005</b>	<b>3.2000e-003</b>	<b>8.4000e-004</b>	<b>2.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>2.5727</b>	<b>2.5727</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.5753</b>

### 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	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.621 1	3,962.621 1	0.2014	0.0000	3,966.850 1
Unmitigated	3.2417	7.2958	32.0696	0.0473	3.2935	0.1047	3.3982	0.8838	0.0961	0.9799	0.0000	3,962.621 1	3,962.621 1	0.2014	0.0000	3,966.850 1