

10 August 2023

TECHNICAL MEMORANDUM

TO: Pam Askew, Allyson Carpenter, Darryl Vandever
McCormack Baron Salazar Development, Inc.

FROM: Donald Conan, P.E., P.G.
Sunhee Park, P.E., BCEE

SUBJECT: General Conformity Applicability Analysis

1. INTRODUCTION

EA Engineering, P.C. and its affiliate EA Science and Technology (EA) has completed the U.S. Department of Housing and Urban Development (HUD) Part 50/58 Partner Forms for the subject site located in Syracuse, New York. The subject site is comprised of the following phases of the East Adams Street Redevelopment: Phase One Area, Phase Two Area, Phase Three Area, and Almus Olver Towers (Figure 1). Based on the findings, it is recommended that a general conformity applicability analysis be completed for air quality compliance. The General Conformity Rule applies only to federal actions in non-attainment or maintenance areas.

The proposed project would be constructed within Syracuse, Onondaga County, New York, which is classified as maintenance for carbon monoxide. A General Conformity applicability analysis was conducted to determine if increases in air pollution from the project would cause or contribute to new violations of the National Ambient Air Quality Standards (NAAQS).

1.1 AMBIENT AIR QUALITY STANDARDS

Under the Clean Air Act (CAA), the U.S. Environmental Protection Agency (EPA) develops and maintains the NAAQS for “criteria” pollutants that have been determined to affect human health and the environment. The NAAQS represent ambient concentrations that are protective of public health, including sensitive populations such as asthmatics, children, and the elderly (primary standards) and are protective of the environment and other aspects of human welfare (secondary standards). The criteria pollutants include ozone (arising from emissions of volatile organic compounds and nitrogen oxides [NO_x]), carbon monoxide (CO), nitrogen dioxide, sulfur dioxide (SO₂), respirable particulate matter (including particulate matter equal to or less than 10 microns in diameter [PM₁₀] and particulate matter equal to or less than 2.5 microns in diameter [PM_{2.5}]), and lead (40 Code of Federal Regulations [CFR] Part 50). New York has adopted the federal NAAQS as its state ambient air quality standards, which are presented in Table 1.

Table 1. National Ambient Air Quality Standards

Pollutant	Primary/ Secondary	Averaging Time	Level	Form
CO	Primary	8 hours	9 ppm	Not to be exceeded more than once per year
		1 hour	35 ppm	Not to be exceeded
Lead	Primary and Secondary	Rolling 3-month average	0.15 µg/m ³	Not to be exceeded
Nitrogen dioxide	Primary	1 hour	100 ppb	98 th percentile of 1-hour daily maximum concentrations, averaged over 3 years
	Primary and secondary	1 year	53 ppb	Annual Mean
Ozone	Primary and Secondary	8 hours	0.070 ppm	Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years
PM _{2.5}	Primary	1 year	12.0 µg/m ³	Annual mean, averaged over 3 years
	Secondary	1 year	15.0 µg/m ³	Annual mean, averaged over 3 years
	Primary and Secondary	24 hours	35 µg/m ³	98 th percentile, averaged over 3 years
PM ₁₀	Primary and Secondary	24 hours	150µg/m ³	Not to be exceeded more than once per year on average over 3 years
SO ₂	Primary	1 hour	75 ppb	99 th percentile of 1-hour daily maximum concentrations, averaged over 3 years
	Secondary	3 hours	0.5 ppm	Not to be exceeded more than once per year

Notes:

µg/m³ = Microgram(s) per cubic meter

ppb = Part(s) per billion

ppm = Part(s) per million

Source: EPA. 2016.

1.2 ATTAINMENT VERSUS NON-ATTAINMENT AND GENERAL CONFORMITY

EPA classifies the air quality in an air quality control region (AQCR) or in subareas of an AQCR, according to whether the concentrations of criteria pollutants in ambient air exceed the NAAQS. Areas may be designated as either attainment, non-attainment, maintenance, or unclassified for one or more of the NAAQS. Attainment means that the air quality within an AQCR is better (measured ambient concentrations are lower) than the NAAQS; non-attainment indicates that measured ambient concentrations for one or more criteria pollutant levels exceed the NAAQS; maintenance indicates that an area was previously designated non-attainment but is now meeting the NAAQS and operates under a maintenance plan to prevent regression of air quality; and an unclassified air quality designation by EPA means that there is not enough information to appropriately classify an AQCR.

In New York, EPA has delegated the authority for ensuring compliance with the NAAQS to the New York State Department of Environmental Conservation. In accordance with the CAA, each state must develop a State Implementation Plan (SIP), which is a compilation of program elements including emission inventories, regulations, policies, and infrastructure such as monitoring networks designed to enable the state to achieve compliance with the NAAQS within established timeframes.

The General Conformity Rule requires that any federal action conforms with the requirements of an approved SIP or Federal Implementation Plan. More specifically, CAA Conformity is ensured

when a federal action does not cause a new violation of the NAAQS; contribute to an increase in the frequency or severity of violations of NAAQS; or delay the timely attainment of any NAAQS, interim progress milestones, or other milestones toward achieving compliance with the NAAQS. The General Conformity Rule applies only to federal actions in non-attainment or maintenance areas. The action area relating to the proposed project lies within Syracuse, New York, which is classified as maintenance for CO. As a result, the proposed project is potentially subject to the General Conformity Rule and its air quality impacts need to be compared with the applicable *de minimis* thresholds.

1.3 Greenhouse Gas Emissions

Greenhouse gas emissions (GHGs) are gaseous emissions that trap heat in the atmosphere. These emissions arise from natural processes and human activities. The most common GHGs emitted from natural processes and human activities include carbon dioxide, methane, and nitrous oxide. GHGs are primarily produced by the burning of fossil fuels and through industrial and biological processes. The Council on Environmental Quality (CEQ) issued National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change (CEQ 2023) on 9 January 2023. CEQ issued this guidance as interim guidance so that agencies may make use of it immediately while CEQ seeks public comment on the guidance. CEQ intends to either revise the guidance in repose to public comments or finalize the interim guidance.

2. AFFECTED ENVIRONMENT

The project area lies within Syracuse, Onondaga County, New York, which is classified maintenance for CO and attainment for all other NAAQS. As a result, the project is potentially subject to the General Conformity Rule. The project area for the proposed project is the area around the Phase One, Phase Two, Phase Three, and Almus Olver Towers at the East Adams Street Redevelopment site potentially affected by increased criteria pollutant (including fugitive dust) and GHGs expected during the construction phase of the proposed project.

In accordance with the CAA (42 U.S. Code 7409) requirements, the air quality in a given region or area is measured by the ambient concentration of criteria pollutants in comparison with established standards. The air quality in a region is a result of not only the types and quantities of atmospheric pollutants and pollutant sources in an area, but also surface topography, the size of the topological “air basin,” and the prevailing meteorological conditions.

3. ENVIRONMENTAL CONSEQUENCES

3.1 METHODS FOR EVALUATING IMPACTS

De minimis emissions thresholds under General Conformity were used as reference benchmarks for evaluating potential air quality impacts. The criteria pollutant emissions were quantified using the construction and operational characteristics of the proposed project, and the emission rates compared to the General Conformity *de minimis* thresholds as specified in 40 CFR 93.153. The analysis uses *de minimis* thresholds as the metric for identifying adverse environmental impacts. In a maintenance area for CO within the Ozone Transportation Region, *de minimis* thresholds for all pollutants, except volatile organic compounds (VOCs) and lead, are 100 tons

per year (tpy); the *de minimis* thresholds for VOCs and lead are 50 tpy and 25 tpy, respectively. Fugitive dust and combustion emissions from construction equipment used at construction sites, and vehicle traffic to/from construction sites were calculated and compared with EPA General Conformity *de minimis* thresholds. GHGs were quantified as well and compared with the reference value of 25,000 metric tpy, which is the threshold for reporting in EPA Mandatory Reporting Rule of Greenhouse Gases for stationary sources.

3.1.1 Assumptions

The following assumptions were applied in assessing impacts to air quality:

- The air quality impacts of the proposed project were determined by estimating anticipated emissions of criteria pollutant and greenhouse gas emissions from construction equipment usage, fugitive dust emissions from the truck traffic, and personal vehicle usage from workers' commutes.
- The California Emissions Estimate Model (CalEEMod), which is a land use computer emissions model designed to provide a uniform method for quantifying potential criteria pollutants and GHGs associated with land use projects, was used to estimate anticipated emissions from the proposed project.
- For conservatism, the maximum emissions for each pollutant during individual construction years and the total emissions for the proposed project were compared with General Conformity *de minimis* thresholds to determine general conformity applicability.

3.1.2 Impact Indicators and Significance Criteria

The proposed project would be considered to impact air quality and climate if construction activities add significant new emissions of criteria pollutants and greenhouse gases to existing conditions where the construction sites are located. Significance of air quality impacts were determined by exceedance of EPA General Conformity *de minimis* thresholds or the EPA Mandatory Reporting Rule of Greenhouse Gases reporting threshold as described in Section 3.1. Impacts to air quality may be short term (i.e., temporary impacts occurring during construction activities, or long term (i.e., a permanent impact from emissions of installed equipment as part of the alternative). Emissions may also be considered direct (i.e., emissions from construction activities) or indirect (emissions from the operational phase of the project). Table 2 lists air quality impact indicators and significant criteria.

Table 2. Air Quality Indicators and Significance Criteria

Impact Indicator	Significance Criteria
Increased vehicle and equipment criteria pollutants emissions and generation of fugitive dust during demolition, construction, and operation	Exceedance of EPA General Conformity <i>de minimis</i> thresholds
Increased vehicle and equipment greenhouse gases emissions during demolition, construction and operation	Exceedance of EPA Mandatory Reporting Rule of Greenhouse Gases reporting threshold which is 25,000 metric tons ¹

Notes:

1. The final guidance CEQ issued on 1 August 2016, titled “Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews” (CEQ 2016), which established a significant criteria for GHGs, was withdrawn effective 5 April 2017.

3.2 General Conformity Applicability Analysis

Section 93.153 of the General Conformity Rule sets applicability requirements for projects through establishment of *de minimis* levels for annual criteria pollutant emissions. These *de minimis* levels are set according to criteria pollutant nonattainment area designations. Projects with total emissions below the *de minimis* levels are exempt from the Rule. Projects with emissions at or above the *de minimis* levels are required to perform a Conformity Determination as established in the Rule. The *de minimis* levels apply to the largest single calendar-year total of direct and indirect project emissions, from both stationary and mobile sources, that can occur during both the construction and operational phases of the action.

The HUD has completed a General Conformity Rule applicability analysis in order to determine if air quality impacts from the proposed project are significant. This General Conformity applicability analysis was performed for the East Adams Street Redevelopment project, in accordance with the criteria specified in 40 CFR Part 51, and 93, Determining Conformity of General Federal Actions to State or Federal Implementation Plans: Final Rule (5 April 2010). The proposed project will include demolition of existing buildings and construction of new buildings at the East Adams Street Redevelopment project. The effects during and after construction are described below.

3.2.1 Construction Phase

The estimated emissions throughout the construction phase were calculated for the construction activities associated with East Adams Street Redevelopment project and are provided and compared with reference thresholds in Table 3. The analysis conducted was a conservative estimate of emissions, intended to capture the greatest potential for impacts. The model input data and all relevant emissions calculation information is provided in Attachment A.

Table 3. Estimated Emissions for East Adams Street Redevelopment

Year	NO _x	VOC	CO	PM ₁₀	PM _{2.5}	SO ₂	CO _{2e} ¹
	tpy	tpy	tpy	tpy	tpy	tpy	tpy
2024	9.92	1.07	9.09	4.56	2.28	0.02	1,716
2025	9.04	1.85	10.03	4.61	2.26	0.02	1,871
2026	3.22	2.91	5.28	0.52	0.23	0.01	990
2027	3.21	2.90	5.22	0.52	0.23	0.01	979
Maximum	9.92	2.91	10.03	4.61	2.28	0.02	1,871
Total	25.39	8.73	29.62	10.20	5.00	0.06	5,556
Reference Threshold ²	100	50	100	100	100	100	27,500 ³

Notes:

1. CO_{2e} = carbon dioxide equivalent
2. 40 CFR 93.153 and 40 CFR 98
3. 27,500 short tpy is equivalent to 25,000 metric tpy

These temporary, direct, and indirect, impacts are not expected to cause a violation of any of the federal and state standards, as their estimated emissions were all below the reference thresholds. There would be no expected long-term effects on air quality due to the proposed project. In addition, projected GHGs emissions are considered insignificant.

3.2.2 Operational Phase

The operational phase of the redeveloped site would be similar to the existing site and would not generate new, additional emissions or dust. Thus, operations would not result in significant long-term, direct, and indirect, air quality impacts.

3.2.3 Summary and Significance

Short-term, direct, and indirect, adverse impacts would occur to the air quality during the construction. Emissions from construction activities would be minor, and with best management practices in place, no exceedance of General Conformity *de minimis* thresholds is anticipated. Hence, construction would not result in significant air quality impacts, a full Conformity Determination is not required, and the proposed project is not subject to the General Conformity Rule.

5. REFERENCES

U.S. Council on Environmental Quality (CEQ). 2016. Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews," which was withdrawn effective April 5, 2017, for further consideration pursuant to Executive Order 13783 of 28 March 2017, "Promoting Energy Independence and Economic Growth."

———. 2023. National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change.

California Air Pollution Control Officers Association (CAPCOA) 2021. California Emissions Estimator Model (CalEEMod) User's Guide. May.

U.S. Environmental Protection Agency (EPA). 2023. Greenbook (www.epa.gov/green-book).

———. 2016. 40 CFR 93.153 General Conformity.

———. 2009. 40 CFR 98 Greenhouse Gases Mandatory Reporting Rule.

Figure

1 East Adams Street Redevelopment Location

Tables

1 National Ambient Air Quality Standards

2 Air Quality Indicators and Significance Criteria

3 Estimated Emissions for East Adams Street Redevelopment

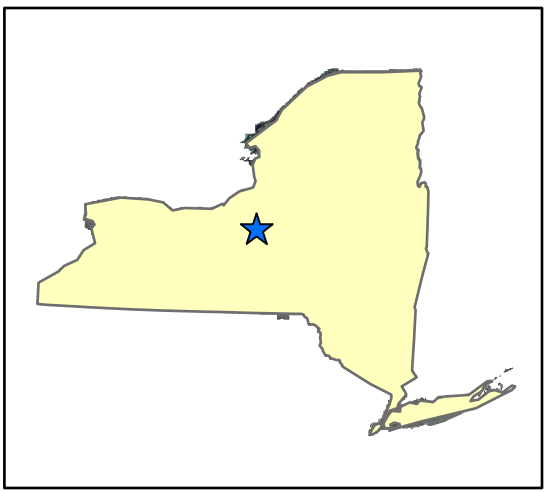
Attachment

A CalEEMod Output

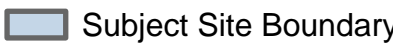

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Figure

Path: \\syracuse\p\Syracuse\Projects\Private\1617505_MBS\Phase II (Phase One Area)\06_GIS\MBS_GIS\MBS_AOT.aprx



Legend

-  Subject Site Boundary
-  Site Location

Map Date: 6/21/2023 4:42 PM
Source: NYS GIS Clearinghouse 2022

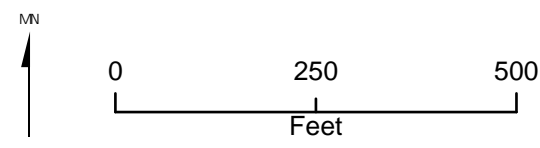


Figure 1
East Adams Redevelopment
Location Map
Syracuse, New York

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Attachment A

CalEEMod Output

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

East Adams Street Redevelopment

Statewide , Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Condo/Townhouse High Rise	125.00	Dwelling Unit	3.02	125,000.00	300
Condo/Townhouse High Rise	125.00	Dwelling Unit	2.51	128,000.00	130
Condo/Townhouse High Rise	125.00	Dwelling Unit	3.02	115,000.00	300

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.7	Precipitation Freq (Days)	174
Climate Zone	14			Operational Year	2028
Utility Company	User Defined				
CO2 Intensity (lb/MWhr)	233.1	CH4 Intensity (lb/MWhr)	0.015	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Windspeed and Precipitation Frequency for Syracuse NY
 Utility Information based on EPA eGRID2021, February 2023 (Table 1. SUBregion Output Emission Rates)
 Land Use - Specific information as provided
 Construction Phase - Phased construction projects including Phase I, Phase II, Phase III and AOT areas
 Grading -
 Demolition -
 Fleet Mix -
 Area Coating -
 Landscape Equipment - Specific for Syracuse NY

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	610.00
tblConstructionPhase	NumDays	230.00	958.00
tblConstructionPhase	NumDays	20.00	325.00
tblConstructionPhase	NumDays	20.00	522.00
tblConstructionPhase	NumDays	20.00	782.00
tblConstructionPhase	NumDays	10.00	522.00
tblLandscapeEquipment	NumberSnowDays	0	34
tblLandscapeEquipment	NumberSummerDays	180	90
tblLandUse	LandUseSquareFeet	125,000.00	128,000.00
tblLandUse	LandUseSquareFeet	125,000.00	115,000.00
tblLandUse	LotAcreage	1.95	3.02
tblLandUse	LotAcreage	1.95	2.51
tblLandUse	LotAcreage	1.95	3.02
tblLandUse	Population	358.00	300.00
tblLandUse	Population	358.00	130.00
tblLandUse	Population	358.00	300.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.015
tblProjectCharacteristics	CO2IntensityFactor	0	233.1
tblProjectCharacteristics	N2OIntensityFactor	0	0.002
tblProjectCharacteristics	PrecipitationFrequency	54	174
tblProjectCharacteristics	WindSpeed	2.2	3.7

2.0 Emissions Summary

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	1.0736	9.9160	9.0949	0.0192	4.1229	0.4365	4.5594	1.8769	0.4039	2.2808	0.0000	1,700.4170	1,700.4170	0.4304	0.0177	1,716.4654
2025	1.8489	9.0360	10.0266	0.0209	4.2261	0.3796	4.6057	1.9073	0.3511	2.2584	0.0000	1,852.3078	1,852.3078	0.4472	0.0242	1,870.7102
2026	2.9061	3.2207	5.2752	0.0110	0.3850	0.1336	0.5186	0.1039	0.1250	0.2289	0.0000	978.5792	978.5792	0.1664	0.0233	989.6691
2027	2.8996	3.2125	5.2211	0.0109	0.3850	0.1335	0.5185	0.1039	0.1248	0.2288	0.0000	968.5009	968.5009	0.1658	0.0226	979.3676
Maximum	2.9061	9.9160	10.0266	0.0209	4.2261	0.4365	4.6057	1.9073	0.4039	2.2808	0.0000	1,852.3078	1,852.3078	0.4472	0.0242	1,870.7102

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

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					
2024	1.0736	9.9160	9.0949	0.0192	4.1229	0.4365	4.5594	1.8769	0.4039	2.2808	0.0000	1,700.4153	1,700.4153	0.4304	0.0177	1,716.4637
2025	1.8489	9.0360	10.0266	0.0209	4.2261	0.3796	4.6057	1.9073	0.3511	2.2584	0.0000	1,852.3060	1,852.3060	0.4472	0.0242	1,870.7085
2026	2.9061	3.2207	5.2752	0.0110	0.3850	0.1336	0.5186	0.1039	0.1250	0.2289	0.0000	978.5785	978.5785	0.1664	0.0233	989.6684
2027	2.8996	3.2125	5.2211	0.0109	0.3850	0.1335	0.5185	0.1039	0.1248	0.2288	0.0000	968.5001	968.5001	0.1658	0.0226	979.3669
Maximum	2.9061	9.9160	10.0266	0.0209	4.2261	0.4365	4.6057	1.9073	0.4039	2.2808	0.0000	1,852.3060	1,852.3060	0.4472	0.0242	1,870.7085

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	2.3143	2.3143
2	4-1-2024	6-30-2024	2.7347	2.7347
3	7-1-2024	9-30-2024	2.9613	2.9613
4	10-1-2024	12-31-2024	2.9680	2.9680
5	1-1-2025	3-31-2025	2.9813	2.9813
6	4-1-2025	6-30-2025	2.3137	2.3137
7	7-1-2025	9-30-2025	2.5586	2.5586
8	10-1-2025	12-31-2025	3.0186	3.0186

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9	1-1-2026	3-31-2026	1.5125	1.5125
10	4-1-2026	6-30-2026	1.5232	1.5232
11	7-1-2026	9-30-2026	1.5399	1.5399
12	10-1-2026	12-31-2026	1.5461	1.5461
13	1-1-2027	3-31-2027	1.5087	1.5087
14	4-1-2027	6-30-2027	1.5195	1.5195
15	7-1-2027	9-30-2027	1.5362	1.5362
		Highest	3.0186	3.0186

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	72.6642	1.4006	89.0514	0.1580		12.2278	12.2278		12.2278	12.2278	1,162.0774	490.4916	1,652.5690	1.0754	0.0914	1,706.6932
Energy	7.6500e-003	0.0653	0.0278	4.2000e-004		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	243.4733	243.4733	0.0123	2.8300e-003	244.6219
Mobile	0.8300	1.0249	7.9539	0.0176	1.9050	0.0132	1.9182	0.5124	0.0124	0.5247	0.0000	1,631.8136	1,631.8136	0.1035	0.0786	1,657.8331
Waste						0.0000	0.0000		0.0000	0.0000	35.0159	0.0000	35.0159	2.0694	0.0000	86.7505
Water						0.0000	0.0000		0.0000	0.0000	7.7514	35.7051	43.4565	0.7984	0.0191	69.1108
Total	73.5018	2.4908	97.0331	0.1760	1.9050	12.2463	14.1513	0.5124	12.2454	12.7578	1,204.8448	2,401.4835	3,606.3283	4.0590	0.1920	3,765.0095

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	72.6642	1.4006	89.0514	0.1580		12.2278	12.2278		12.2278	12.2278	1,162.0774	490.4916	1,652.5690	1.0754	0.0914	1,706.6932
Energy	7.6500e-003	0.0653	0.0278	4.2000e-004		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	243.4733	243.4733	0.0123	2.8300e-003	244.6219
Mobile	0.8300	1.0249	7.9539	0.0176	1.9050	0.0132	1.9182	0.5124	0.0124	0.5247	0.0000	1,631.8136	1,631.8136	0.1035	0.0786	1,657.8331
Waste						0.0000	0.0000		0.0000	0.0000	35.0159	0.0000	35.0159	2.0694	0.0000	86.7505
Water						0.0000	0.0000		0.0000	0.0000	7.7514	35.7051	43.4565	0.7984	0.0191	69.1108
Total	73.5018	2.4908	97.0331	0.1760	1.9050	12.2463	14.1513	0.5124	12.2454	12.7578	1,204.8448	2,401.4835	3,606.3283	4.0590	0.1920	3,765.0095

	ROG	NOx	CO	SO2	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	Architectural Coating	Architectural Coating	9/1/2025	12/31/2027	5	610	
2	Building Construction	Building Construction	5/1/2024	12/31/2027	5	958	
3	Demolition	Demolition	1/2/2024	3/31/2025	5	325	

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Grading	Grading	1/2/2024	12/31/2025	5	522
5	Paving	Paving	1/2/2025	12/31/2027	5	782
6	Site Preparation	Site Preparation	1/2/2024	12/31/2025	5	522

Acres of Grading (Site Preparation Phase): 783

Acres of Grading (Grading Phase): 522

Acres of Paving: 1

Residential Indoor: 745,200; Residential Outdoor: 248,400; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

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

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Welders	1	8.00	46	0.45
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	58.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	288.00	47.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	309.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2025

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	0.8327					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	0.8402	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2025

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	6.2900e-003	4.0500e-003	0.0549	1.6000e-004	0.0188	1.0000e-004	0.0189	5.0300e-003	1.0000e-004	5.1200e-003	0.0000	15.1001	15.1001	4.1000e-004	4.0000e-004	15.2305
Total	6.2900e-003	4.0500e-003	0.0549	1.6000e-004	0.0188	1.0000e-004	0.0189	5.0300e-003	1.0000e-004	5.1200e-003	0.0000	15.1001	15.1001	4.1000e-004	4.0000e-004	15.2305

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	0.8327					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	0.8402	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2025

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	6.2900e-003	4.0500e-003	0.0549	1.6000e-004	0.0188	1.0000e-004	0.0189	5.0300e-003	1.0000e-004	5.1200e-003	0.0000	15.1001	15.1001	4.1000e-004	4.0000e-004	15.2305
Total	6.2900e-003	4.0500e-003	0.0549	1.6000e-004	0.0188	1.0000e-004	0.0189	5.0300e-003	1.0000e-004	5.1200e-003	0.0000	15.1001	15.1001	4.1000e-004	4.0000e-004	15.2305

3.2 Architectural Coating - 2026

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	2.4696					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	2.4919	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2026

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	0.0176	0.0109	0.1530	4.7000e-004	0.0557	2.9000e-004	0.0560	0.0149	2.7000e-004	0.0152	0.0000	43.4029	43.4029	1.1100e-003	1.1300e-003	43.7663
Total	0.0176	0.0109	0.1530	4.7000e-004	0.0557	2.9000e-004	0.0560	0.0149	2.7000e-004	0.0152	0.0000	43.4029	43.4029	1.1100e-003	1.1300e-003	43.7663

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	2.4696					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	2.4919	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2026

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	0.0176	0.0109	0.1530	4.7000e-004	0.0557	2.9000e-004	0.0560	0.0149	2.7000e-004	0.0152	0.0000	43.4029	43.4029	1.1100e-003	1.1300e-003	43.7663
Total	0.0176	0.0109	0.1530	4.7000e-004	0.0557	2.9000e-004	0.0560	0.0149	2.7000e-004	0.0152	0.0000	43.4029	43.4029	1.1100e-003	1.1300e-003	43.7663

3.2 Architectural Coating - 2027

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	2.4696					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	2.4919	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2027

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	0.0165	9.9300e-003	0.1445	4.6000e-004	0.0557	2.7000e-004	0.0560	0.0149	2.5000e-004	0.0152	0.0000	42.1560	42.1560	1.0200e-003	1.0700e-003	42.4997
Total	0.0165	9.9300e-003	0.1445	4.6000e-004	0.0557	2.7000e-004	0.0560	0.0149	2.5000e-004	0.0152	0.0000	42.1560	42.1560	1.0200e-003	1.0700e-003	42.4997

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	2.4696					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	2.4919	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2027

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	0.0165	9.9300e-003	0.1445	4.6000e-004	0.0557	2.7000e-004	0.0560	0.0149	2.5000e-004	0.0152	0.0000	42.1560	42.1560	1.0200e-003	1.0700e-003	42.4997
Total	0.0165	9.9300e-003	0.1445	4.6000e-004	0.0557	2.7000e-004	0.0560	0.0149	2.5000e-004	0.0152	0.0000	42.1560	42.1560	1.0200e-003	1.0700e-003	42.4997

3.3 Building Construction - 2024

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	0.1288	1.1763	1.4146	2.3600e-003		0.0537	0.0537		0.0505	0.0505	0.0000	202.8680	202.8680	0.0480	0.0000	204.0673
Total	0.1288	1.1763	1.4146	2.3600e-003		0.0537	0.0537		0.0505	0.0505	0.0000	202.8680	202.8680	0.0480	0.0000	204.0673

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7300e-003	0.1747	0.0594	8.0000e-004	0.0255	1.1000e-003	0.0266	7.4400e-003	1.0500e-003	8.4900e-003	0.0000	77.5025	77.5025	1.3400e-003	0.0113	80.9106
Worker	0.0665	0.0445	0.5817	1.6800e-003	0.1856	1.0800e-003	0.1867	0.0497	9.9000e-004	0.0506	0.0000	154.3252	154.3252	4.4700e-003	4.2600e-003	155.7065
Total	0.0712	0.2192	0.6411	2.4800e-003	0.2111	2.1800e-003	0.2133	0.0571	2.0400e-003	0.0591	0.0000	231.8277	231.8277	5.8100e-003	0.0156	236.6172

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	0.1288	1.1763	1.4146	2.3600e-003		0.0537	0.0537		0.0505	0.0505	0.0000	202.8677	202.8677	0.0480	0.0000	204.0670
Total	0.1288	1.1763	1.4146	2.3600e-003		0.0537	0.0537		0.0505	0.0505	0.0000	202.8677	202.8677	0.0480	0.0000	204.0670

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7300e-003	0.1747	0.0594	8.0000e-004	0.0255	1.1000e-003	0.0266	7.4400e-003	1.0500e-003	8.4900e-003	0.0000	77.5025	77.5025	1.3400e-003	0.0113	80.9106
Worker	0.0665	0.0445	0.5817	1.6800e-003	0.1856	1.0800e-003	0.1867	0.0497	9.9000e-004	0.0506	0.0000	154.3252	154.3252	4.4700e-003	4.2600e-003	155.7065
Total	0.0712	0.2192	0.6411	2.4800e-003	0.2111	2.1800e-003	0.2133	0.0571	2.0400e-003	0.0591	0.0000	231.8277	231.8277	5.8100e-003	0.0156	236.6172

3.3 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8800e-003	0.2586	0.0869	1.1700e-003	0.0380	1.6300e-003	0.0397	0.0111	1.5600e-003	0.0127	0.0000	113.4043	113.4043	2.0000e-003	0.0166	118.3921
Worker	0.0927	0.0596	0.8087	2.4300e-003	0.2768	1.5300e-003	0.2783	0.0740	1.4100e-003	0.0755	0.0000	222.3836	222.3836	6.0500e-003	5.9400e-003	224.3039
Total	0.0996	0.3182	0.8956	3.6000e-003	0.3148	3.1600e-003	0.3180	0.0851	2.9700e-003	0.0881	0.0000	335.7878	335.7878	8.0500e-003	0.0225	342.6960

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8800e-003	0.2586	0.0869	1.1700e-003	0.0380	1.6300e-003	0.0397	0.0111	1.5600e-003	0.0127	0.0000	113.4043	113.4043	2.0000e-003	0.0166	118.3921
Worker	0.0927	0.0596	0.8087	2.4300e-003	0.2768	1.5300e-003	0.2783	0.0740	1.4100e-003	0.0755	0.0000	222.3836	222.3836	6.0500e-003	5.9400e-003	224.3039
Total	0.0996	0.3182	0.8956	3.6000e-003	0.3148	3.1600e-003	0.3180	0.0851	2.9700e-003	0.0881	0.0000	335.7878	335.7878	8.0500e-003	0.0225	342.6960

3.3 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7200e-003	0.2563	0.0855	1.1500e-003	0.0380	1.6200e-003	0.0397	0.0111	1.5500e-003	0.0127	0.0000	111.2077	111.2077	2.0000e-003	0.0163	116.0993
Worker	0.0871	0.0540	0.7596	2.3500e-003	0.2768	1.4500e-003	0.2782	0.0740	1.3300e-003	0.0754	0.0000	215.5176	215.5176	5.5100e-003	5.5900e-003	217.3222
Total	0.0939	0.3103	0.8451	3.5000e-003	0.3148	3.0700e-003	0.3179	0.0851	2.8800e-003	0.0880	0.0000	326.7254	326.7254	7.5100e-003	0.0218	333.4215

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7200e-003	0.2563	0.0855	1.1500e-003	0.0380	1.6200e-003	0.0397	0.0111	1.5500e-003	0.0127	0.0000	111.2077	111.2077	2.0000e-003	0.0163	116.0993
Worker	0.0871	0.0540	0.7596	2.3500e-003	0.2768	1.4500e-003	0.2782	0.0740	1.3300e-003	0.0754	0.0000	215.5176	215.5176	5.5100e-003	5.5900e-003	217.3222
Total	0.0939	0.3103	0.8451	3.5000e-003	0.3148	3.0700e-003	0.3179	0.0851	2.8800e-003	0.0880	0.0000	326.7254	326.7254	7.5100e-003	0.0218	333.4215

3.3 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5800e-003	0.2540	0.0844	1.1200e-003	0.0380	1.6100e-003	0.0396	0.0111	1.5400e-003	0.0126	0.0000	108.8903	108.8903	2.0000e-003	0.0159	113.6812
Worker	0.0820	0.0493	0.7173	2.2800e-003	0.2768	1.3600e-003	0.2781	0.0740	1.2500e-003	0.0753	0.0000	209.3261	209.3261	5.0500e-003	5.3000e-003	211.0329
Total	0.0886	0.3033	0.8017	3.4000e-003	0.3148	2.9700e-003	0.3178	0.0851	2.7900e-003	0.0879	0.0000	318.2164	318.2164	7.0500e-003	0.0212	324.7140

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5800e-003	0.2540	0.0844	1.1200e-003	0.0380	1.6100e-003	0.0396	0.0111	1.5400e-003	0.0126	0.0000	108.8903	108.8903	2.0000e-003	0.0159	113.6812
Worker	0.0820	0.0493	0.7173	2.2800e-003	0.2768	1.3600e-003	0.2781	0.0740	1.2500e-003	0.0753	0.0000	209.3261	209.3261	5.0500e-003	5.3000e-003	211.0329
Total	0.0886	0.3033	0.8017	3.4000e-003	0.3148	2.9700e-003	0.3178	0.0851	2.7900e-003	0.0879	0.0000	318.2164	318.2164	7.0500e-003	0.0212	324.7140

3.4 Demolition - 2024

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					0.0282	0.0000	0.0282	4.2700e-003	0.0000	4.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2928	2.7246	2.5718	5.0700e-003		0.1253	0.1253		0.1164	0.1164	0.0000	443.6484	443.6484	0.1241	0.0000	446.7516
Total	0.2928	2.7246	2.5718	5.0700e-003	0.0282	0.1253	0.1535	4.2700e-003	0.1164	0.1207	0.0000	443.6484	443.6484	0.1241	0.0000	446.7516

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.7000e-004	0.0159	3.8500e-003	7.0000e-005	1.9800e-003	1.4000e-004	2.1200e-003	5.5000e-004	1.3000e-004	6.8000e-004	0.0000	6.9634	6.9634	1.9000e-004	1.1000e-003	7.2961
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	5.1600e-003	3.4600e-003	0.0452	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	8.0000e-005	3.9300e-003	0.0000	11.9878	11.9878	3.5000e-004	3.3000e-004	12.0951
Total	5.4300e-003	0.0193	0.0490	2.0000e-004	0.0164	2.2000e-004	0.0166	4.4100e-003	2.1000e-004	4.6100e-003	0.0000	18.9511	18.9511	5.4000e-004	1.4300e-003	19.3912

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					0.0282	0.0000	0.0282	4.2700e-003	0.0000	4.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2928	2.7246	2.5718	5.0700e-003		0.1253	0.1253		0.1164	0.1164	0.0000	443.6479	443.6479	0.1241	0.0000	446.7510
Total	0.2928	2.7246	2.5718	5.0700e-003	0.0282	0.1253	0.1535	4.2700e-003	0.1164	0.1207	0.0000	443.6479	443.6479	0.1241	0.0000	446.7510

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.7000e-004	0.0159	3.8500e-003	7.0000e-005	1.9800e-003	1.4000e-004	2.1200e-003	5.5000e-004	1.3000e-004	6.8000e-004	0.0000	6.9634	6.9634	1.9000e-004	1.1000e-003	7.2961
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	5.1600e-003	3.4600e-003	0.0452	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	8.0000e-005	3.9300e-003	0.0000	11.9878	11.9878	3.5000e-004	3.3000e-004	12.0951
Total	5.4300e-003	0.0193	0.0490	2.0000e-004	0.0164	2.2000e-004	0.0166	4.4100e-003	2.1000e-004	4.6100e-003	0.0000	18.9511	18.9511	5.4000e-004	1.4300e-003	19.3912

3.4 Demolition - 2025

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					6.9200e-003	0.0000	6.9200e-003	1.0500e-003	0.0000	1.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0670	0.6143	0.6214	1.2400e-003		0.0273	0.0273		0.0253	0.0253	0.0000	108.7925	108.7925	0.0304	0.0000	109.5519
Total	0.0670	0.6143	0.6214	1.2400e-003	6.9200e-003	0.0273	0.0342	1.0500e-003	0.0253	0.0264	0.0000	108.7925	108.7925	0.0304	0.0000	109.5519

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Demolition - 2025

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	7.0000e-005	3.8500e-003	9.5000e-004	2.0000e-005	4.8000e-004	3.0000e-005	5.2000e-004	1.3000e-004	3.0000e-005	1.7000e-004	0.0000	1.6729	1.6729	5.0000e-005	2.6000e-004	1.7528
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	1.1800e-003	7.6000e-004	0.0103	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.5000e-004	2.0000e-005	9.6000e-004	0.0000	2.8402	2.8402	8.0000e-005	8.0000e-005	2.8647
Total	1.2500e-003	4.6100e-003	0.0113	5.0000e-005	4.0100e-003	5.0000e-005	4.0700e-003	1.0800e-003	5.0000e-005	1.1300e-003	0.0000	4.5130	4.5130	1.3000e-004	3.4000e-004	4.6175

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					6.9200e-003	0.0000	6.9200e-003	1.0500e-003	0.0000	1.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0670	0.6143	0.6214	1.2400e-003		0.0273	0.0273		0.0253	0.0253	0.0000	108.7924	108.7924	0.0304	0.0000	109.5518
Total	0.0670	0.6143	0.6214	1.2400e-003	6.9200e-003	0.0273	0.0342	1.0500e-003	0.0253	0.0264	0.0000	108.7924	108.7924	0.0304	0.0000	109.5518

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Demolition - 2025

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	7.0000e-005	3.8500e-003	9.5000e-004	2.0000e-005	4.8000e-004	3.0000e-005	5.2000e-004	1.3000e-004	3.0000e-005	1.7000e-004	0.0000	1.6729	1.6729	5.0000e-005	2.6000e-004	1.7528
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	1.1800e-003	7.6000e-004	0.0103	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.5000e-004	2.0000e-005	9.6000e-004	0.0000	2.8402	2.8402	8.0000e-005	8.0000e-005	2.8647
Total	1.2500e-003	4.6100e-003	0.0113	5.0000e-005	4.0100e-003	5.0000e-005	4.0700e-003	1.0800e-003	5.0000e-005	1.1300e-003	0.0000	4.5130	4.5130	1.3000e-004	3.4000e-004	4.6175

3.5 Grading - 2024

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					1.0627	0.0000	1.0627	0.4619	0.0000	0.4619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2169	2.2225	1.9261	3.8700e-003		0.0945	0.0945		0.0870	0.0870	0.0000	340.1340	340.1340	0.1100	0.0000	342.8842
Total	0.2169	2.2225	1.9261	3.8700e-003	1.0627	0.0945	1.1572	0.4619	0.0870	0.5488	0.0000	340.1340	340.1340	0.1100	0.0000	342.8842

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

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	5.1600e-003	3.4600e-003	0.0452	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	8.0000e-005	3.9300e-003	0.0000	11.9878	11.9878	3.5000e-004	3.3000e-004	12.0951
Total	5.1600e-003	3.4600e-003	0.0452	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	8.0000e-005	3.9300e-003	0.0000	11.9878	11.9878	3.5000e-004	3.3000e-004	12.0951

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0627	0.0000	1.0627	0.4619	0.0000	0.4619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2169	2.2225	1.9261	3.8700e-003		0.0945	0.0945		0.0870	0.0870	0.0000	340.1336	340.1336	0.1100	0.0000	342.8838
Total	0.2169	2.2225	1.9261	3.8700e-003	1.0627	0.0945	1.1572	0.4619	0.0870	0.5488	0.0000	340.1336	340.1336	0.1100	0.0000	342.8838

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

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	5.1600e-003	3.4600e-003	0.0452	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	8.0000e-005	3.9300e-003	0.0000	11.9878	11.9878	3.5000e-004	3.3000e-004	12.0951
Total	5.1600e-003	3.4600e-003	0.0452	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	8.0000e-005	3.9300e-003	0.0000	11.9878	11.9878	3.5000e-004	3.3000e-004	12.0951

3.5 Grading - 2025

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					1.0627	0.0000	1.0627	0.4619	0.0000	0.4619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1987	1.9986	1.8975	3.8700e-003		0.0814	0.0814		0.0749	0.0749	0.0000	340.2111	340.2111	0.1100	0.0000	342.9619
Total	0.1987	1.9986	1.8975	3.8700e-003	1.0627	0.0814	1.1441	0.4619	0.0749	0.5367	0.0000	340.2111	340.2111	0.1100	0.0000	342.9619

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8300e-003	3.1000e-003	0.0421	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.5825	11.5825	3.1000e-004	3.1000e-004	11.6825
Total	4.8300e-003	3.1000e-003	0.0421	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.5825	11.5825	3.1000e-004	3.1000e-004	11.6825

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0627	0.0000	1.0627	0.4619	0.0000	0.4619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1987	1.9986	1.8975	3.8700e-003		0.0814	0.0814		0.0749	0.0749	0.0000	340.2107	340.2107	0.1100	0.0000	342.9615
Total	0.1987	1.9986	1.8975	3.8700e-003	1.0627	0.0814	1.1441	0.4619	0.0749	0.5367	0.0000	340.2107	340.2107	0.1100	0.0000	342.9615

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8300e-003	3.1000e-003	0.0421	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.5825	11.5825	3.1000e-004	3.1000e-004	11.6825
Total	4.8300e-003	3.1000e-003	0.0421	1.3000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.5825	11.5825	3.1000e-004	3.1000e-004	11.6825

3.6 Paving - 2025

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	0.1190	1.1156	1.8951	2.9600e-003		0.0544	0.0544		0.0501	0.0501	0.0000	260.2503	260.2503	0.0842	0.0000	262.3546
Paving	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1194	1.1156	1.8951	2.9600e-003		0.0544	0.0544		0.0501	0.0501	0.0000	260.2503	260.2503	0.0842	0.0000	262.3546

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8100e-003	3.0900e-003	0.0420	1.3000e-004	0.0144	8.0000e-005	0.0144	3.8400e-003	7.0000e-005	3.9100e-003	0.0000	11.5381	11.5381	3.1000e-004	3.1000e-004	11.6377
Total	4.8100e-003	3.0900e-003	0.0420	1.3000e-004	0.0144	8.0000e-005	0.0144	3.8400e-003	7.0000e-005	3.9100e-003	0.0000	11.5381	11.5381	3.1000e-004	3.1000e-004	11.6377

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	0.1190	1.1156	1.8951	2.9600e-003		0.0544	0.0544		0.0501	0.0501	0.0000	260.2500	260.2500	0.0842	0.0000	262.3543
Paving	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1194	1.1156	1.8951	2.9600e-003		0.0544	0.0544		0.0501	0.0501	0.0000	260.2500	260.2500	0.0842	0.0000	262.3543

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8100e-003	3.0900e-003	0.0420	1.3000e-004	0.0144	8.0000e-005	0.0144	3.8400e-003	7.0000e-005	3.9100e-003	0.0000	11.5381	11.5381	3.1000e-004	3.1000e-004	11.6377
Total	4.8100e-003	3.0900e-003	0.0420	1.3000e-004	0.0144	8.0000e-005	0.0144	3.8400e-003	7.0000e-005	3.9100e-003	0.0000	11.5381	11.5381	3.1000e-004	3.1000e-004	11.6377

3.6 Paving - 2026

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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1199	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5400e-003	2.8100e-003	0.0396	1.2000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.2249	11.2249	2.9000e-004	2.9000e-004	11.3189
Total	4.5400e-003	2.8100e-003	0.0396	1.2000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.2249	11.2249	2.9000e-004	2.9000e-004	11.3189

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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1199	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5400e-003	2.8100e-003	0.0396	1.2000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.2249	11.2249	2.9000e-004	2.9000e-004	11.3189
Total	4.5400e-003	2.8100e-003	0.0396	1.2000e-004	0.0144	8.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9300e-003	0.0000	11.2249	11.2249	2.9000e-004	2.9000e-004	11.3189

3.6 Paving - 2027

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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1199	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2700e-003	2.5700e-003	0.0374	1.2000e-004	0.0144	7.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9200e-003	0.0000	10.9024	10.9024	2.6000e-004	2.8000e-004	10.9913
Total	4.2700e-003	2.5700e-003	0.0374	1.2000e-004	0.0144	7.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9200e-003	0.0000	10.9024	10.9024	2.6000e-004	2.8000e-004	10.9913

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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1199	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2700e-003	2.5700e-003	0.0374	1.2000e-004	0.0144	7.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9200e-003	0.0000	10.9024	10.9024	2.6000e-004	2.8000e-004	10.9913
Total	4.2700e-003	2.5700e-003	0.0374	1.2000e-004	0.0144	7.0000e-005	0.0145	3.8600e-003	7.0000e-005	3.9200e-003	0.0000	10.9024	10.9024	2.6000e-004	2.8000e-004	10.9913

3.7 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7728	0.0000	2.7728	1.3408	0.0000	1.3408	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3473	3.5465	2.3928	4.9700e-003		0.1604	0.1604		0.1476	0.1476	0.0000	436.6147	436.6147	0.1412	0.0000	440.1449
Total	0.3473	3.5465	2.3928	4.9700e-003	2.7728	0.1604	2.9333	1.3408	0.1476	1.4884	0.0000	436.6147	436.6147	0.1412	0.0000	440.1449

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation - 2024

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	6.1900e-003	4.1500e-003	0.0542	1.6000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	14.3853	14.3853	4.2000e-004	4.0000e-004	14.5141
Total	6.1900e-003	4.1500e-003	0.0542	1.6000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	14.3853	14.3853	4.2000e-004	4.0000e-004	14.5141

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7728	0.0000	2.7728	1.3408	0.0000	1.3408	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3473	3.5465	2.3928	4.9700e-003		0.1604	0.1604		0.1476	0.1476	0.0000	436.6142	436.6142	0.1412	0.0000	440.1444
Total	0.3473	3.5465	2.3928	4.9700e-003	2.7728	0.1604	2.9333	1.3408	0.1476	1.4884	0.0000	436.6142	436.6142	0.1412	0.0000	440.1444

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation - 2024

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	6.1900e-003	4.1500e-003	0.0542	1.6000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	14.3853	14.3853	4.2000e-004	4.0000e-004	14.5141
Total	6.1900e-003	4.1500e-003	0.0542	1.6000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	14.3853	14.3853	4.2000e-004	4.0000e-004	14.5141

3.7 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7728	0.0000	2.7728	1.3408	0.0000	1.3408	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3227	3.2930	2.3375	4.9700e-003		0.1418	0.1418		0.1305	0.1305	0.0000	436.7442	436.7442	0.1413	0.0000	440.2755
Total	0.3227	3.2930	2.3375	4.9700e-003	2.7728	0.1418	2.9147	1.3408	0.1305	1.4713	0.0000	436.7442	436.7442	0.1413	0.0000	440.2755

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation - 2025

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	5.7900e-003	3.7200e-003	0.0505	1.5000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	13.8990	13.8990	3.8000e-004	3.7000e-004	14.0190
Total	5.7900e-003	3.7200e-003	0.0505	1.5000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	13.8990	13.8990	3.8000e-004	3.7000e-004	14.0190

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7728	0.0000	2.7728	1.3408	0.0000	1.3408	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3227	3.2930	2.3375	4.9700e-003		0.1418	0.1418		0.1305	0.1305	0.0000	436.7437	436.7437	0.1413	0.0000	440.2749
Total	0.3227	3.2930	2.3375	4.9700e-003	2.7728	0.1418	2.9147	1.3408	0.1305	1.4713	0.0000	436.7437	436.7437	0.1413	0.0000	440.2749

East Adams Street Redevelopment - Statewide , Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation - 2025

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	5.7900e-003	3.7200e-003	0.0505	1.5000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	13.8990	13.8990	3.8000e-004	3.7000e-004	14.0190
Total	5.7900e-003	3.7200e-003	0.0505	1.5000e-004	0.0173	1.0000e-004	0.0174	4.6300e-003	9.0000e-005	4.7200e-003	0.0000	13.8990	13.8990	3.8000e-004	3.7000e-004	14.0190

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