

O. Utilities/Service Systems

1. Analysis of the Museum Market Plaza Specific Plan Certified EIR

Solid Waste

Palm Springs Disposal Services provides solid waste disposal services to the City of Palm Springs. Solid waste is transported to the Edom Hill Transfer Station in Cathedral City, which is permitted to receive 2,600 tons of waste per day. Waste is then transported to Lamb Canyon Sanitary Landfill or Badlands Landfill, both of which have available capacity. Recycling and green waste disposal services are also available.

The Specific Plan EIR projected that residential, retail, and office development would generate approximately 2,080 tons of solid waste annually. Impacts were determined to be less than significant with mitigation, which included the implementation of onsite recycling programs.

Wastewater Services

The City contracts with Veolia Water North America to manage its wastewater collection and treatment system. The treatment plant is capable of treating 10.9 million gallons per day and accommodates approximately 60 percent of its capacity. Desert Water Agency (DWA) operates a wastewater recycling facility that provides tertiary-treated irrigation water to several local golf courses and other public facilities. The Specific Plan area includes existing 8- and 10-inch sanitary sewer facilities.

Development of the Specific Plan area would require the abandonment of existing lines through the Desert Fashion Plaza, installation of new sewer lines beneath the proposed extension of Belardo Road, and expansion of existing lines to new individual buildings. The residential component of the project is expected to generate 200,000 gallons of wastewater per day. Project-related impacts were expected to be less than significant, and no mitigation was necessary.

Water Services

The Desert Water Agency (DWA) provides domestic water to the Specific Plan area and obtains most of its water supply from groundwater. At the time the EIR was prepared, existing 6-, 10-, and 12-inch mains were in the project area, and existing water demand in the project area was estimated at 64.9 acre-feet per year.

The EIR's Water Supply Assessment (WSA)¹⁷ evaluated future water supply and demand conditions in DWA's service area under normal, single dry, and multiple dry years occurring between 2010 and 2030. The analysis included projected growth and development that was anticipated in DWA's service area, such as the 2009 Specific Plan. The WSA also estimated that Specific Plan build out would result in a total water demand of 259.3 acre-feet per year, and net water demand at build out would be approximately 194.3 acre-feet annually. The WSA concluded that there will be sufficient water supplies to meet the demands of the Specific Plan during normal, single dry, and multiple dry years through at least 2030 without adversely impacting the groundwater basin. Additionally, the project would not interfere with DWA's ability to service existing and planned future water consumers. Project impacts were determined to be a less than significant, and no mitigation measures were necessary.

2. Analysis of the Proposed Project Modifications

The following section analyzes the potential impacts to utilities/service systems associated with development of the proposed project, including the Specific Plan Amendment, refinements to the Downtown Palm Springs Park project approved as part of the 2012 Project, and development of the western half of Block B for a hotel of up to 150 rooms.

Solid Waste

In 2014, the City disposed of approximately 64,604 tons of solid waste.¹⁸ Palm Springs Disposal Services provides solid waste disposal services to the City and project area. Solid waste is transported to the Edom Hill Transfer Station in northern Cathedral City and disposed at one of three regional landfills: 1) Lamb Canyon Landfill in Beaumont, which has a remaining capacity of 18.9 million cubic yards (2009) and estimated closure date of 2021, 2) Badlands Landfill in Moreno Valley, with a remaining capacity of 14.7 million cubic yards (2010) and estimated closure date of 2024, and 3) El Sobrante Landfill in Corona, with a remaining capacity of 145.5 million cubic yards (2009) and estimated closure date of 2045.¹⁹ Each landfill has available capacity to serve additional development. Facility operators, including PSDS, Burrtec, and Riverside County Waste Management, are required to meet all local, regional, state, and federal standards for solid waste disposal.

¹⁷ "Water Supply Assessment for the Museum Market Plaza Specific Plan," Desert Water Agency and City of Palm Springs, adopted October 13, 2008.

¹⁸ www.calrecycle.ca.gov, California Department of Resources Recycling and Recovery (CalRecycle) Disposal Reporting System, Jurisdiction Disposal by Facility, Disposal during 2014 for Palm Springs.

¹⁹ Facility/Site Summary Details for Edom Hill Transfer Station (33-AA-0296), www.calrecycle.ca.gov

PSDS operates a comprehensive recycling program and collects recyclable materials from its customers. Recyclables are transferred to a Materials Recovery Facility, sorted, and shipped off-site for processing. The City continues to meet California State bill AB-939 mandates to divert 50% of its waste by the year 2000.

Hazardous waste disposal is addressed in the Hazards and Hazardous Materials section of this document.

Build out of the proposed project will increase solid waste generation and increase the demand for waste and recycling removal and disposal services. The following table estimates solid waste generated by the project at build out.

**Table 44
Projected Solid Waste Generation
at Project Build Out**

Land Use	Solid Waste Generation Factor	Projected Solid Waste Generation (tons/year)
<u>Residential:</u>		
650 dwelling units	0.0032 tons/DU/day ¹	759
<u>Commercial retail & office:</u>		
391,300 square feet	0.0024 tons/sq.ft./year ¹	939
<u>Hotel:</u>		
620 rooms	2 lbs./room/day ²	226
Total:		1,924

¹ Generation rate used in EIR.

² EIR did not estimate solid waste generated by hotels. This generation rate is from California Integrated Waste Management Board, "Service Sector: Estimated Solid Waste Generation & Disposal Rates."

The project is projected to generate 1,924 tons of solid waste annually, which is about 3% of the City's total disposal tonnage in 2014. This estimate includes waste generated by hotels, which were not included in the EIR. Even with hotel rooms added, total solid waste generated by the proposed project is 150 tons per year (7%) less than that projected in the EIR. Impacts will be less than those anticipated at build out of the previously approved Specific Plan.

Actual waste generation will depend on project-specific development criteria and diversion rates. The proposed project does not include land uses that are expected to produce unusually high quantities or unique types of solid waste or hazardous waste materials. Phased development will assure that solid waste generation occurs gradually. Residential and commercial facilities will be

required to provide onsite recycling containers, and implementation of recycling and other diversion programs will further reduce solid waste disposal quantities.

EIR Mitigation Measures

Although project impacts are expected to have a less than significant impact on solid waste facilities and services, the following mitigation measure that was provided in the EIR will assure impacts are further reduced, and is considered appropriate for the proposed project:

1. The developer shall implement recycling programs for all components of the development project.

Comparison of Solid Waste Analysis and Impacts

Compared to the project analyzed in the certified EIR, the proposed project is expected to produce about 7% less solid waste. This reduction is largely associated with a reduction of dwelling units. Like the previous project, the proposed project will have a less than significant impact on solid waste collection and disposal.

As described in Public Resources Code 21166 and CEQA Guidelines Section 15162, no new significant impacts have been identified and there will be no substantial increase in the severity of previously identified impacts.

Wastewater Services

The City provides wastewater collection and treatment services in the project area and contracts with Veolia North America to operate its wastewater treatment plan (WTP) on Mesquite Avenue. The WTP has a capacity of 10.9 million gallons per day (mgd) and treats approximately 6 mgd. A tertiary wastewater recycling facility processes sewage from the WTP, and reclaimed effluent is released for irrigation use at the City's municipal golf course and DeMuth Park.

Since the EIR was certified, existing development on Blocks A through H has been demolished. However, wastewater services are still provided to that portion of the project area identified as Block K.

Existing sewer lines are located beneath Tahquitz Canyon Way, Indian Canyon Drive, and Andreas Road in the immediate project vicinity. Existing lines and laterals have been installed to serve nearly all Blocks in the project area.

The project proposes the extension of sewer lines beneath segments of Main Street and Belardo Road in the project area. Development in the project area will generate wastewater and the need for collection and treatment services. The following table estimates wastewater generated at build out of the proposed project.

**Table 45
Projected Wastewater Generation
at Project Build Out**

Land Use	Wastewater Generation Factor	Projected Wastewater Generation (gallons/day)
<u>Residential:</u>		
1,294 residents	100 gallons/day/capita ¹	129,400
<u>Commercial retail & office:</u>		
391,300 square feet	1,500 gallons/day/acre ²	13,470
<u>Hotel:</u>		
620 rooms	100 gallons/day/capita ³	69,750
Total:		212,620

¹ Generation rate used in EIR.

² EIR did not estimate wastewater generated by commercial retail or offices. This generation rate is from “City of Palm Springs Sewer Master Plan.”

³ EIR did not estimate wastewater generated by hotels. This estimate uses the residential wastewater generation factor (100 gallons/day/capita), assumes 75% occupancy (465 rooms), and 1.5 persons/room/day.

The project is projected to generate 212,620 gallons of wastewater per day, which is about 3.5% of the total amount currently treated at the WTP, and about 2.0% of total available capacity at the WTP. This includes wastewater generated by commercial, office, and hotel development, which was not included in EIR estimates. Even with commercial, office, and hotels added, wastewater generated at build out of the proposed project represents an increase of only 12,620 gallons per day (6%) compared to the previously analyzed project. Impacts will remain less than significant and no mitigation measures are required.

Comparison of Wastewater Analysis and Impacts

The EIR analysis did not include wastewater projections for commercial, office, or hotel development. The above analysis includes them. Even so, total wastewater projections are only 6% higher than those estimated in the EIR. The WTP has capacity to treat the effluent generated by the proposed project. Impacts remain less than significant, and like the EIR, no mitigation is necessary.

As described in Public Resources Code 21166 and CEQA Guidelines Section 15162, no new significant impacts have been identified and there will be no substantial increase in the severity of previously identified impacts.

Water Services

The Desert Water Agency provides domestic water to the City and project area. Approximately 95% of DWA's water supply is from groundwater; the remaining 5% is from surface water. DWA's annual production is estimated at 43,000 acre-feet.²⁰ DWA also participates in a groundwater replenishment program in which water from the Colorado River Aqueduct fills two local recharge basins and supplements groundwater supplies. Between 1973 and 2008, more than 2.1 million acre-feet of water have been replenished.

DWA is part of the Coachella Valley Regional Water Management Group, which prepared a draft Integrated Regional Water Management Plan (IRWMP) in 2013. The Plan analyzes water supplies and demand over the long-term, including analysis of multiple dry years, which have been experienced in California recently. The Plan analyzes regional water needs and indicates that the long-term demand for domestic water will increase, but conservation measures and replenishment programs will make it possible for DWA to meet increasing demand (see Water Quality/Resources section).

Since the EIR was prepared, the Desert Fashion Plaza (Blocks A through H) has been demolished. However, water continues to be used on that portion of the project area identified as Block K. Where construction is underway, limited quantities of water are used for routine site watering and dust control measures.

Existing 6-, 10-, and 12-inch water lines extend through portions of the project area and around its perimeter, including North Palm Canyon Drive, Indian Canyon Drive, Tahquitz Canyon Drive, Museum Drive, Andreas Road, and Belardo Road at the northern project boundary.

The project proposes the extension of 12-inch water lines through the central portion of the project area, including beneath Main Street and Belardo Road, and an east-west trending 8-inch line will bisect Block K.

²⁰ <http://www.dwa.org/>, Desert Water Agency website, accessed October 9, 2015.

The proposed project will generate water demand for landscaping and potable purposes. Water demand at build out of the proposed project is estimated using the same methodologies and assumptions as those used in the EIR Water Supply Assessment.

Landscaping Water Demand

Demand for landscaping water assumes 10% landscape coverage for residential, hotel, commercial, office, restaurant, and streetscape land uses. Given that park (Block E) and open space (Blocks H-1 and H-2) design plans are preliminary and conceptual at this time, it is assumed that 100% of these Blocks will be landscaped. The analysis also assumes that moderate desert landscaping will be installed on residential, hotel, commercial, office, restaurant, and streetscape land uses, which consumes 3.108 acre-feet per acre annually; and that turf will be installed on parks and open spaces (Blocks E, H-1, and H-2), which consumes 4.352 acre-feet per acre annually. Although portions of Blocks E, H-1, and H-2 will ultimately be developed to include structures, impervious surfaces, and drought tolerant landscaping materials, the assumption provides a conservative estimate and assures that actual demand will be less than stated projected. The following table summarizes estimated landscape water consumption in the project area at project build out. These factors were used in the EIR WSA and are based on the Maximum Water Allowance for Zone 3A, and defined in the Coachella Valley Water District's Landscape Ordinance 1302.1, which is still in effect. A 35% return flows factor was applied to account for irrigation water that will be returned to groundwater through natural percolation and infiltration.

The following table summarizes projected water demand for landscaping. Approximately 3.88 acres will be landscaped and will demand approximately 9.52 acre-feet of water annually. As explained above, this is a conservative estimate that overstates projected water demand because, for analysis purposes, it assumes 100% of Blocks E, H-1, and H-2 will be turfed.

**Table 46
Projected Landscape Water Demand
At Build Out of Downtown Palm Springs Project**

Block	Total Acres	Estimated Landscaped Acres¹	Estimated Landscaping Demand (ac-ft/ac/year)²	Total Demand (ac-ft/year)	Total Demand Less 35% Return Flows (ac-ft/year)
Block A	1.59	0.16	3.108	0.50	0.32
Block B	1.5	0.15	3.108	0.47	0.31
Block C	2.41	0.24	3.108	0.75	0.49
Block D & F	3.21	0.32	3.108	0.99	0.64
Block E	1.36	1.36	4.352	5.92	3.85
Block G	1.73	0.17	3.108	0.53	0.34
Block H1	0.31	0.31	4.352	1.35	0.88
Block H2	0.41	0.41	4.352	1.78	1.16
Block K1	0.89	0.09	3.108	0.28	0.18
Block K2	5.0	0.50	3.108	1.55	1.01
Streets	1.74	0.17	3.108	0.53	0.34
Total:	20.15	3.88	----	14.65	9.52

¹ Assumes 10% landscape coverage for residential, hotel, commercial, office, restaurant, and streetscape usage. Assumes 100% landscape coverage for parks and open space (Blocks E, H-1, and H-2).

² Assumes moderate desert landscaping for residential, hotel, commercial, office, restaurant, and streetscape usage. Assumes turf coverage for parks and open space (Blocks E, H-1, and H-2).

Potable Water Demand

The same methodology used in the EIR WSA was used to project potable water demand at build out of the proposed project. For residential land uses, the number of anticipated dwelling units was multiplied by a household size of 2.10 persons. This figure was used to maintain consistency with the EIR; however, the 2010 U.S. Census reported that the average household size in Palm Springs was 1.93 persons per household, and the Department of Finance estimates that 2015 household size in the City stands at 1.99. Therefore, this analysis is conservative and overstates water demand from residential land uses to some extent. The American Water Works Association Research Foundation’s (AWWARF) per capita usage factor of 69.3 gallons per day per person was applied, and is still considered appropriate for use in this analysis.

Non-residential demand factors used in the WSA were as follows and were applied to the currently proposed project: 87.5 gallons per day per occupied hotel room, 30.5 gallons per year per square foot of commercial and office uses, and 230.5 gallons per square foot per year for restaurant uses. A hotel occupancy rate of 75% was assumed. Square footages were multiplied by the appropriate AWWARF demand factor.

The following table summarizes projected potable water demand at project build out, which is estimated at 215.18 acre-feet annually. The EIR WSA considered, but did not apply, a non-consumptive return flow factor of 35% for potable water. If the factor is applied to the proposed project, water demand for potable water would equal 139.87 acre-feet annually. This assumes that some water is not consumed, but is returned to the water supply or captured, treated, and recycled for irrigation purposes.

**Table 47
Projected Potable Water Demand
At Build Out of Downtown Palm Springs Project**

Land Use	Total Units	Population per Unit	Square Feet	Demand Factor (gallons)	Total Demand (ac-ft/year)
High Density Residential	650	2.10		69.3 gal/person/day	105.96
Hotel	620 ¹			87.5 gal/occupied room/day	45.58
Commercial ² : Retail			249,475	30.5 gal/sq.ft./year	23.35
Restaurant			44,025	230.5 gal/sq.ft./year	31.14
Office			97,800	30.5 gal/sq.ft./year	9.15
				Total:	215.18

¹ Assumes 75% occupancy year round.

² Assumes total commercial square footage (293,500 sq. ft) consists of 85% retail and 15% restaurant.

Total Projected Water Demand

Overall water demand at build out of the proposed Downtown Palm Springs project is shown in the following table.

**Table 48
Total Projected Water Demand
At Build Out of Downtown Palm Springs Project**

Use	Projected Water Demand (acre-feet/year)
Landscaping Water	9.52
Potable Water	215.18
Total:	224.70

Total projected water demand is 224.70 acre-feet annually. If 35% non-consumptive return flows are considered for potable water, total demand would equal 149.39 acre-feet annually.

The approved EIR WSA analysis accounted for water consumed by existing buildings and landscaping in the project area. Although water is no longer used on Blocks A through H, it continues to be used on that portion of the project area identified as Block K. As shown in the following table, when existing water demand is deducted from the projected water demand for the proposed Downtown Palm Springs project, the proposed project will generate a demand for 159.8 acre-feet per year.

Table 49
Net Water Demand Projections
At Build Out of Downtown Palm Springs Project

	Acre-feet/Year
Projected Water Demand	224.70
Existing Water Demand	64.9
Net Water Demand (Difference):	159.8

If the 35% non-consumptive return flow is applied to projected Downtown Palm Springs potable water demand (149.39 acre-feet/year), and existing water use (64.9 acre-feet/year) is deducted, net water demand of the project at build out equals 84.49 acre-feet annually. However, to assure a conservative analysis, net water demand at project build out is assumed to be 159.8 acre-feet per year. This represents a 17.8% decrease in water demand than that analyzed in the EIR and WSA. As water demand at project build out will be less than that estimated in the EIR, overall water demand impacts will be less than originally analyzed. All the above estimates include water used by the proposed Block E park and Block B-1 hotel.

Since EIR certification, California has experienced a multi-year drought, prompting the Governor to declare a drought state of emergency and mandate implementation of water reductions across the State to reduce water usage. The Governor’s Executive Order B-29-15 was issued on April 1, 2015 and requires a mandatory water usage reduction of 36% in DWA’s service area. DWA achieved water reductions of 30% in July and 40% in June. Its mandatory water conservation measures were revised to include the following measures:

- “Washing of hardscape, such as driveways, parking lots and walkways, shall be prohibited.
- The use of running water to wash vehicles shall be prohibited. The use of buckets and stop nozzles on hoses, for rinsing only, shall be permitted.
- Restaurants may provide water to customers only upon request.

- Outdoor irrigation of commercial, industrial and institutional facilities shall be restricted to alternate days after 7:00 p.m. and before 7:00 a.m. The schedule will depend on the building's address. If the address is even, such as 550, water on even days, such as the 2nd, 4th, 6th, etc. If the address is odd, such as 555, water on odd days, such as the 1st, 3rd, 5th, etc.
- A commercial, industrial or institutional customer may implement an alternative water use reduction plan that achieves reductions in water use equivalent to those expected from the restrictions prescribed herein, if approved in advance by the General Manager.
- Outdoor residential irrigation shall be restricted to Mondays, Wednesdays and Fridays, after 7:00 p.m. and before 7:00 a.m.
- The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures shall be prohibited.
- The use of non re-circulating fountains or other decorative water features shall be prohibited.
- The application of water to outdoor landscapes during and up to 48 hours after measurable rainfall shall be prohibited.
- Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. Each hotel or motel shall prominently display notice of this option in each bathroom, using clear and easily understood language.
- The use of potable water outside of newly constructed homes and buildings that is not delivered by drip or micro-spray systems shall be prohibited.
- The use of potable water to irrigate turf within street medians, and turf within the dedicated right of way on either side of a public street, shall be prohibited.
- Agency customers are encouraged not to empty and refill swimming pools from June 1 through October 31 unless necessary to address a health or safety emergency.”

The proposed project will be subject to these restrictions and any additional restrictions mandated by DWA or the State, and the project will be constructed to 2013 or later Building Code requirements, which are more stringent than those in effect when the WSA was adopted and EIR certified.

As is the case with all projects in DWA's service area, the proposed project will be required to comply with DWA's water conservation measures and those of Executive Order B-29-15. Additional project-specific water conservation mitigation measures are included in the Water Quality/Resources section of this document.

Comparison of Water Analysis and Impacts

Compared to the previously analyzed project, the proposed project will result in an estimated water consumption decrease of 17.8%. Impacts associated with water resources, and the ability of DWA to provide service the proposed project, will remain less than significant and will be less than those originally analyzed in the certified EIR.

As described in Public Resources Code 21166 and CEQA Guidelines Section 15162, no new significant impacts have been identified and there will be no substantial increase in the severity of previously identified impacts.

P. Economics

1. Analysis of the Museum Market Plaza Specific Plan Certified EIR

At the time the EIR was written, the City's Redevelopment Agency (RDA) was in existence. The Specific Plan area was located within a Redevelopment Area, in which property tax revenues were required to be used for economic development activities (80%) and affordable housing programs (20%). The majority of the site was developed and generated over \$220,000 annually in property tax revenues for the RDA. Sales taxes, transient occupancy tax and other revenues were also generated by project development. Costs associated primarily with residential development were also calculated, including the cost of general government as well as public safety. Restricted funds were also included in the analysis. The resulting revenues and costs were analyzed, and are reproduced below in Table 50.

Table 50
Total Potential Costs/Revenues 2009
Summary Table

	Buildout Phase			
	Phase I (Yrs 1-5)	Phase II (Yrs 6-10)	Phase III (Yrs 11-15)	Phase IV (Yrs 16-20)
ANNUAL REVENUES				
General Fund:				
Property Tax	\$0	\$0	\$0	\$0
Property Transfer Tax	\$96,385	\$128,879	\$69,454	\$73,920
Local Sales Tax	\$549,060	\$1,098,120	\$1,098,120	\$1,098,120
Transient Occupancy Tax	\$626,862	\$1,253,724	\$1,253,724	\$1,253,724
Utility Users Tax	\$158,010	\$316,019	\$316,019	\$316,019
Motor Vehicle In-Lieu Revenue	\$77,097	\$154,193	\$154,193	\$154,193
New Development Tax	\$408,886	\$408,886	\$0	\$0
Restricted Funds:				
TUMF Fees	\$2,114,970	\$2,114,970	\$0	\$0
Highway Users Gas Tax	\$17,686	\$35,371	\$35,371	\$35,371
Measure A	\$788	\$1,576	\$1,576	\$1,576
Public Safety CFD	\$172,970	\$345,939	\$345,939	\$345,939
ANNUAL COSTS				
General Fund:				
General Government Costs	\$581,135	\$1,162,270	\$1,162,270	\$1,162,270
Restricted Funds:				
Public Safety Costs	\$690,942	\$1,381,885	\$1,381,885	\$1,381,885
TUMF Allocation to CVAG	\$2,114,970	\$2,114,970	\$0	\$0
SUMMARY OF REVENUES/COSTS:				
Revenues:				
Total Annual General Fund Revenues	\$1,916,299	\$3,359,822	\$2,891,511	\$2,895,977
Total Annual Restricted Fund Revenues	\$2,306,414	\$2,497,857	\$382,887	\$382,887
Revenue Subtotal	\$4,222,713	\$5,857,679	\$3,274,398	\$3,278,864
Historic Average Interest Rate on 90-Day Treasury Bills	6.83%	6.83%	6.83%	6.83%
Anticipated Interest Earned on Revenues	\$288,411	\$400,079	\$223,641	\$223,946
Total Annual Revenues at Phase Buildout	\$4,511,124	\$6,257,758	\$3,498,039	\$3,502,810
Costs:				
Total Annual General Fund Costs	\$581,135	\$1,162,270	\$1,162,270	\$1,162,270
Total Annual Restricted Fund Costs	\$2,805,912	\$3,496,855	\$1,381,885	\$1,381,885
Total Annual Costs at Phase Buildout	\$3,387,047	\$4,659,125	\$2,544,154	\$2,544,154
Annual Cashflow at Phase Buildout	\$1,124,077	\$1,598,634	\$953,884	\$958,655
Net Property Tax Revenue to Redevelopment Agency	\$1,815,975	\$3,631,950	\$3,631,950	\$3,631,950
Current Property Tax to Redevelopment Agency (Land Only)	\$142,815	\$142,815	\$142,815	\$142,815
Total Annual Revenues to City	\$3,082,867	\$5,373,398	\$4,728,649	\$4,733,420

The EIR estimated the costs and revenues associated with build out of the Specific Plan area. It concluded that the project would result in a positive annual cash flow over multiple development phases. The analysis recognized that additional revenues would be derived from fees that are based on project-specific development criteria. The single largest source of revenue to the City was in property tax flowing to the Redevelopment Agency. Without this revenue, the project still generated a positive cash flow to the City. Given that the project would contribute positively to the City's economy, project-related fiscal impacts were determined to be less than significant. No mitigation measures were required.

2. Analysis of the Proposed Project Modifications

The following section analyzes the potential impacts to economics associated with development of the proposed project, including the Specific Plan Amendment, refinements to the Downtown Palm Springs Park project approved as part of the 2012 Project, and development of the western half of Block B for a hotel of up to 150 rooms.

In order to determine whether the changes to the Specific Plan would affect the economic impacts associated with the project, the fiscal impact model was run with the currently proposed development scenario. The primary change in the development potential at the site relates to residential units. The certified EIR analyzed 955 residential units, built in the first and second phases of development. The proposed project now includes a reduced number of residential units, totaling 650. Additionally, no residential development is currently approved or proposed for the project. The 2009 analysis assumed residential development in the first phase of development. For the current proposed project, it has been assumed that 325 units would be built in the second phase (years 5 through 10), and the remaining units would be built in the third phase (years 10 to 15). The commercial retail square footage has not changed from that originally analyzed, standing at 300,000 square feet both in 2009 and currently. The number of hotel rooms is also proposed to remain the same as was analyzed in the certified EIR. Finally, the 2009 analysis assumed a 15 year build out for the project, and that assumption has been maintained for the current analysis.

On the basis of the assumptions listed above, the cost/revenue model was run, using the same per capita/per square foot allocations in the original model. The per capita/per square foot cost and revenue allocations were not amended, in order to provide an "apples to apples" comparison. If the model had been updated to reflect current revenues (including, for example, Measure J tax revenues), a true comparison of costs and revenues could not be made. The only change made to the model was the elimination of property tax revenue to the Redevelopment Agency, since it no longer exists, and cannot be expected to collect these funds. In order to maintain a conservative analysis, no property tax revenue was allocated for the project. With the elimination of

Redevelopment, the City will actually see some property tax revenue from development of the project. However, the percentage of total property tax returning to the City is relatively small, and would not significantly affect the potential revenues the City will receive as a result of development of the proposed project. In conclusion, the estimates shown in the Table below are conservative, insofar as they do not include either property tax or Measure J revenues. The data in the Table allows for a true comparison of the costs and revenues compared to those originally analyzed in the certified EIR.

Table 51
Total Potential Costs/Revenues Associated Specific Plan Amendment
Summary Table

	Buildout Phase			
	Phase I (Yrs 1-5)	Phase II (Yrs 6-10)	Phase III (Yrs 11-15)	Phase IV (Yrs 16-20)
<i>ANNUAL REVENUES General Fund:</i>				
Property Tax	\$0	\$0	\$0	\$0
Property Transfer Tax	\$96,385	\$128,879	\$69,454	\$73,920
Local Sales Tax	\$452,864	\$971,202	\$1,036,676	\$1,036,676
Transient Occupancy Tax	\$626,862	\$1,253,724	\$1,253,724	\$1,253,724
Utility Users Tax	\$0	\$107,546	\$215,092	\$215,092
Motor Vehicle In-Lieu Revenue	\$0	\$52,474	\$104,948	\$104,948
New Development Tax	\$179,686	\$335,686	\$156,000	\$0
<i>Restricted Funds:</i>				
TUMF Fees	\$1,237,593	\$1,834,761	\$0	\$0
Highway Users Gas Tax	\$0	\$12,037	\$24,075	\$24,075
Measure A	\$32	\$579	\$1,093	\$1,093
Public Safety CFD	\$0	\$117,728	\$235,456	\$235,456
<i>ANNUAL COSTS General Fund:</i>				
General Government Costs	\$0	\$395,537	\$791,074	\$791,074
<i>Restricted Funds:</i>				
Public Safety Costs	\$0	\$470,275	\$940,550	\$940,550
TUMF Allocation to CVAG	\$1,237,593	\$1,834,761	\$0	\$0
<i>SUMMARY OF REVENUES/COSTS:</i>				
<i>Revenues:</i>				
Total Annual General Fund Revenues	\$1,355,797	\$2,849,511	\$2,835,893	\$2,684,359
Total Annual Restricted Fund Revenues	\$1,237,625	\$1,965,104	\$260,624	\$260,624
Revenue Subtotal	\$2,593,421	\$4,814,615	\$3,096,517	\$2,944,983
Historic Average Interest Rate on 90-Day Treasury Bills	6.83%	6.83%	6.83%	6.83%
Anticipated Interest Earned on Revenues	\$177,131	\$328,838	\$211,492	\$201,142
Total Annual Revenues at Phase Buildout	\$2,770,552	\$5,143,453	\$3,308,010	\$3,146,126
<i>Costs:</i>				
Total Annual General Fund Costs	\$0	\$395,537	\$791,074	\$791,074
Total Annual Restricted Fund Costs	\$1,237,593	\$2,305,035	\$940,550	\$940,550
Total Annual Costs at Phase Buildout	\$1,237,593	\$2,700,572	\$1,731,623	\$1,731,623
<i>Annual Cashflow at Phase Buildout</i>	\$1,532,959	\$2,442,881	\$1,576,386	\$1,414,502

3. Comparison of Economics Analysis and Impacts

As shown in the Tables above, the project will generate a higher General Fund and Restricted Fund positive cash flow than the project described in the certified EIR at build out. The certified EIR estimated annual cash flow, without Redevelopment Agency tax increment, at just below \$960,000. The revised model will generate \$1.4 million in positive cash flow to the City. The difference can be attributed to the reduction in residential development. Residential units consistently do not generate sufficient revenues to cover their costs, particularly those costs associated with public safety on a per capita basis. The revenue producing land uses on the project site are expected to build out at approximately the same intensity as originally analyzed, and will therefore generate about the same revenue, without substantially increasing costs to the City.

Since the certification of the EIR, the City's Redevelopment Agency has been dissolved. The City will no longer receive tax increment for improvements within the project area. As demonstrated above, however, the project will still, without the influence of redevelopment, provide the City with positive revenue generation. Impacts associated with economics will remain less than significant, as they were in the certified EIR.

As described in Public Resources Code 21166 and CEQA Guidelines Section 15162, no new significant impacts have been identified and there will be no substantial increase in the severity of previously identified impacts.

IV. CONCLUSION

The analysis in this document demonstrates that impacts associated with the proposed project are substantially consistent with those analyzed in the certified EIR and in the 2012 Addendum. Consistent with the requirements of CEQA:

- No changes are proposed that would require major revisions to the previous EIR due to the involvement of new significant environmental effects of a substantial increase in the severity of previously identified significant effects.

The changes proposed in the Specific Plan Amendment will ultimately reduce the intensity and density of the project. The impacts associated with the Specific Plan Amendment, construction of the Downtown Park, or of the proposed hotel on Block B would not result in any new environmental effects. All effects were considered in either the certified EIR or the 2012 Addendum. The proposed events at the Park do not represent a new impact, as they were addressed in the 2012 Addendum. This analysis represents a refinement of the event analysis, insofar as additional, more detailed information has been developed that allows for a more detailed analysis of the event functions at the Park.

- No substantial changes in circumstances under which the project is undertaken will occur that require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects.

As demonstrated in this document, the impacts associated with the currently proposed project, including the Specific Plan Amendment, Downtown Palm Springs Park and proposed hotel on Block B will result in the same or reduced impacts when compared to those analyzed in either the certified EIR or the 2012 Addendum. The changes proposed are not substantive, and do not include substantial changes or additions in land use, location, intensity or density. The overall project now being proposed will reduce intensity and density when compared to the project analyzed in the certified EIR, and impacts overall are expected to be consistent with those previously identified.

- No new information of significant importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete, shows any of the following:

- The project will have one or more significant effects not discussed in the previous EIR;
- Significant effects previously examined will be substantially more severe than shown in the previous EIR;
- Mitigation measures or alternatives previously found to not be feasible will, in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
- Mitigation measures or alternatives, which are considerable different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

The proposed project, including the Specific Plan Amendment, proposed Downtown Palm Springs Park, and proposed hotel on Block B are all consistent with the land uses included in the analysis contained in the certified EIR. The proposed project refines and updates the location of project Blocks, provides greater detail on the proposed Park which was identified for the original project, and includes specifics for a portion of Block B that is part of the overall intensity and density of the site.

None of the components of the currently proposed project will result in a significant effect not identified in the certified EIR or the 2012 Addendum, nor have any infeasible mitigation measures been made feasible by the proposed project. The proposed project reduces the intensity and build out potential of the project site, and thereby reduces impacts associated with air quality, land use, public services, utilities, and other issue areas, as detailed in this document.

As detailed above, the proposed project will result in equivalent or lesser impacts than those identified in the certified EIR and 2012 Addendum. Mitigation measures included in the certified EIR are still applicable to the proposed project. Mitigation measures associated with refinements to the project identified in the currently proposed project have been added to address specific issues. Impacts associated with aesthetics and cultural resources, which were found to be significant and unavoidable, continue to be significant and unavoidable with the proposed project. The Findings and Statement of Overriding Considerations adopted by the City is consistent with the proposed project's analysis in this document, and applies to the findings in this document.

Appendix A

Air Quality Modeling Report

Downtown Palm Springs Addendum

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	97.80	1000sqft	1.50	97,800.00	0
Other Asphalt Surfaces	1.74	Acre	1.74	75,794.40	0
City Park	0.72	Acre	0.72	31,363.20	0
Hotel	620.00	Room	6.00	900,240.00	0
Apartments High Rise	650.00	Dwelling Unit	4.00	650,000.00	2100
Regional Shopping Center	293.50	1000sqft	6.19	293,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Air Quality Modeling for the Downtown Palm Springs EIR Addendum.

Land Use - The commercial/retail space was characterized as "regional shopping center" due to similar retail activities. Traffic counts will be modified per the project Traffic Report. Division of acreage is assumed for AQ purposes, actual acreage breakdown may vary.

Construction Phase - Assumes a 5 year buildout period from 2016-2021.

Off-road Equipment - Default equipment lists are assumed.

On-road Fugitive Dust - All roadways in the planning area are currently paved.

Grading - Export data provided by Sanborn A E, September 23, 2015.

Architectural Coating - Assumes low VOC paint per SCAQMD 1113.

Vehicle Trips - Trip rate modifications based on 2015 Traffic Report.

Road Dust - All roads in planning area are paved.

Woodstoves - There will be no wood burning appliances within the residential development.

Energy Use -

Water And Wastewater - No septic tanks.

Construction Off-road Equipment Mitigation - Application of standard dust control measures. Apply oxidation catalysts to all equipment for a 15% reduction.

Area Coating - Low VOC paints will be reapplied, per SCAQMD Rule 1113.

Area Mitigation - The lowest VOC paint, or no VOC paint will be applied in the event mitigation is required for ROG.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	25
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	25
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	25
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	25

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstructionPhase	NumDays	20.00	450.00
tblConstructionPhase	NumDays	370.00	800.00

tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/22/2019	8/23/2019
tblConstructionPhase	PhaseStartDate	5/31/2019	6/1/2019
tblGrading	AcresOfGrading	150.00	20.15
tblGrading	MaterialExported	0.00	8,753.00
tblLandUse	LotAcreage	2.25	1.50
tblLandUse	LotAcreage	20.67	6.00
tblLandUse	LotAcreage	10.48	4.00
tblLandUse	LotAcreage	6.74	6.19
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2022
tblRoadDust	RoadPercentPave	50	100

tblVehicleTrips	ST_TR	7.16	4.24
tblVehicleTrips	ST_TR	2.37	2.45
tblVehicleTrips	ST_TR	49.97	62.04
tblVehicleTrips	WD_TR	6.59	4.10
tblVehicleTrips	WD_TR	11.01	13.10
tblVehicleTrips	WD_TR	8.17	8.35
tblVehicleTrips	WD_TR	42.94	46.57
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	1.2118	8.0224	12.2565	0.0177	1.3209	0.3653	1.6862	0.4796	0.3393	0.8189	0.0000	1,469.510 4	1,469.510 4	0.1620	0.0000	1,472.911 5
2017	1.2673	6.6939	14.0139	0.0225	1.2788	0.2887	1.5675	0.3430	0.2700	0.6130	0.0000	1,770.832 8	1,770.832 8	0.1339	0.0000	1,773.645 5
2018	1.1275	6.0155	13.0480	0.0225	1.2836	0.2491	1.5327	0.3442	0.2331	0.5773	0.0000	1,729.275 9	1,729.275 9	0.1295	0.0000	1,731.994 8
2019	3.7465	2.8395	6.0289	0.0111	0.6120	0.1211	0.7331	0.1639	0.1133	0.2772	0.0000	829.7816	829.7816	0.0754	0.0000	831.3650
2020	9.3241	0.3355	1.3223	2.9300e-003	0.2199	0.0159	0.2358	0.0584	0.0158	0.0742	0.0000	193.2633	193.2633	0.0117	0.0000	193.5082
2021	3.4138	0.1132	0.4650	1.0700e-003	0.0806	5.0300e-003	0.0856	0.0214	5.0000e-003	0.0264	0.0000	69.9521	69.9521	4.0700e-003	0.0000	70.0376
Total	20.0911	24.0199	47.1346	0.0778	4.7958	1.0451	5.8409	1.4105	0.9765	2.3870	0.0000	6,062.616 0	6,062.616 0	0.5165	0.0000	6,073.462 5

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.6162	0.0883	6.8351	6.7500e-003		0.3873	0.3873		0.3870	0.3870	43.5002	519.8742	563.3745	0.2208	9.3900e-003	570.9214
Energy	0.3530	3.1858	2.5272	0.0193		0.2439	0.2439		0.2439	0.2439	0.0000	11,046.5706	11,046.5706	0.4142	0.1359	11,097.3897
Mobile	10.7042	21.4200	109.8559	0.2002	12.8357	0.3951	13.2309	3.4295	0.3642	3.7937	0.0000	13,804.5169	13,804.5169	0.5303	0.0000	13,815.6538
Waste						0.0000	0.0000		0.0000	0.0000	210.6315	0.0000	210.6315	12.4480	0.0000	472.0389
Water						0.0000	0.0000		0.0000	0.0000	34.3896	531.5878	565.9773	0.9234	0.0798	610.1202
Total	20.6734	24.6942	119.2183	0.2262	12.8357	1.0264	13.8621	3.4295	0.9950	4.4245	288.5214	25,902.5495	26,191.0708	14.5367	0.2251	26,566.1240

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	7.6817	0.0558	4.8409	2.6000e-004		0.0267	0.0267		0.0267	0.0267	0.0000	7.9018	7.9018	7.6500e-003	0.0000	8.0626
Energy	0.3530	3.1858	2.5272	0.0193		0.2439	0.2439		0.2439	0.2439	0.0000	11,046.5706	11,046.5706	0.4142	0.1359	11,097.3897
Mobile	10.7042	21.4200	109.8559	0.2002	12.8357	0.3951	13.2309	3.4295	0.3642	3.7937	0.0000	13,804.5169	13,804.5169	0.5303	0.0000	13,815.6538
Waste						0.0000	0.0000		0.0000	0.0000	210.6315	0.0000	210.6315	12.4480	0.0000	472.0389
Water						0.0000	0.0000		0.0000	0.0000	34.3896	531.5878	565.9773	0.9228	0.0797	610.0653
Total	18.7388	24.6617	117.2240	0.2197	12.8357	0.6657	13.5015	3.4295	0.6348	4.0643	245.0211	25,390.5771	25,635.5982	14.3229	0.2156	26,003.2103

	ROG	NOx	CO	SO2	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	9.36	0.13	1.67	2.87	0.00	35.14	2.60	0.00	36.20	8.14	15.08	1.98	2.12	1.47	4.23	2.12

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	2/11/2016	5	30	
2	Grading	Grading	2/12/2016	5/5/2016	5	60	
3	Building Construction	Building Construction	5/6/2016	5/30/2019	5	800	
4	Paving	Paving	6/1/2019	8/23/2019	5	60	
5	Architectural Coating	Architectural Coating	8/24/2019	5/14/2021	5	450	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20.15

Acres of Paving: 0

**Residential Indoor: 1,316,250; Residential Outdoor: 438,750; Non-Residential Indoor: 2,098,046; Non-Residential Outdoor: 699,349
(Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,094.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,016.00	299.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	203.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Site Preparation - 2016

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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0762	0.8195	0.6166	5.9000e-004		0.0441	0.0441		0.0406	0.0406	0.0000	55.3157	55.3157	0.0167	0.0000	55.6661
Total	0.0762	0.8195	0.6166	5.9000e-004	0.2710	0.0441	0.3151	0.1490	0.0406	0.1895	0.0000	55.3157	55.3157	0.0167	0.0000	55.6661

3.2 Site Preparation - 2016

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	1.1500e-003	1.6200e-003	0.0155	3.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.9057	1.9057	1.2000e-004	0.0000	1.9082
Total	1.1500e-003	1.6200e-003	0.0155	3.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.9057	1.9057	1.2000e-004	0.0000	1.9082

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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0762	0.6966	0.6166	5.9000e-004		0.0441	0.0441		0.0406	0.0406	0.0000	55.3156	55.3156	0.0167	0.0000	55.6660
Total	0.0762	0.6966	0.6166	5.9000e-004	0.1057	0.0441	0.1498	0.0581	0.0406	0.0986	0.0000	55.3156	55.3156	0.0167	0.0000	55.6660

3.2 Site Preparation - 2016

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	1.1500e-003	1.6200e-003	0.0155	3.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.9057	1.9057	1.2000e-004	0.0000	1.9082
Total	1.1500e-003	1.6200e-003	0.0155	3.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.9057	1.9057	1.2000e-004	0.0000	1.9082

3.3 Grading - 2016

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					0.1922	0.0000	0.1922	0.1006	0.0000	0.1006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1944	2.2444	1.4741	1.8500e-003		0.1075	0.1075		0.0989	0.0989	0.0000	174.5872	174.5872	0.0527	0.0000	175.6931
Total	0.1944	2.2444	1.4741	1.8500e-003	0.1922	0.1075	0.2998	0.1006	0.0989	0.1995	0.0000	174.5872	174.5872	0.0527	0.0000	175.6931

3.3 Grading - 2016

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	0.0102	0.1309	0.1332	3.8000e-004	9.4800e-003	2.9900e-003	0.0125	2.6000e-003	2.7500e-003	5.3500e-003	0.0000	35.0236	35.0236	2.0000e-004	0.0000	35.0278
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	2.5500e-003	3.5900e-003	0.0343	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.2349	4.2349	2.6000e-004	0.0000	4.2405
Total	0.0127	0.1345	0.1676	4.4000e-004	0.0144	3.0200e-003	0.0175	3.9200e-003	2.7800e-003	6.7000e-003	0.0000	39.2585	39.2585	4.6000e-004	0.0000	39.2682

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					0.0750	0.0000	0.0750	0.0392	0.0000	0.0392	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1944	1.9078	1.4741	1.8500e-003		0.1075	0.1075		0.0989	0.0989	0.0000	174.5870	174.5870	0.0527	0.0000	175.6929
Total	0.1944	1.9078	1.4741	1.8500e-003	0.0750	0.1075	0.1825	0.0392	0.0989	0.1382	0.0000	174.5870	174.5870	0.0527	0.0000	175.6929

3.3 Grading - 2016

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	0.0102	0.1309	0.1332	3.8000e-004	9.4800e-003	2.9900e-003	0.0125	2.6000e-003	2.7500e-003	5.3500e-003	0.0000	35.0236	35.0236	2.0000e-004	0.0000	35.0278
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	2.5500e-003	3.5900e-003	0.0343	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.2349	4.2349	2.6000e-004	0.0000	4.2405
Total	0.0127	0.1345	0.1676	4.4000e-004	0.0144	3.0200e-003	0.0175	3.9200e-003	2.7800e-003	6.7000e-003	0.0000	39.2585	39.2585	4.6000e-004	0.0000	39.2682

3.4 Building Construction - 2016

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	0.2912	2.4373	1.5823	2.2900e-003		0.1682	0.1682		0.1580	0.1580	0.0000	207.0413	207.0413	0.0514	0.0000	208.1197
Total	0.2912	2.4373	1.5823	2.2900e-003		0.1682	0.1682		0.1580	0.1580	0.0000	207.0413	207.0413	0.0514	0.0000	208.1197

3.4 Building Construction - 2016

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	0.2671	1.8653	3.4289	4.1900e-003	0.1229	0.0377	0.1606	0.0349	0.0346	0.0695	0.0000	378.2673	378.2673	2.5800e-003	0.0000	378.3215
Worker	0.3691	0.5199	4.9716	8.3200e-003	0.7182	4.7500e-003	0.7229	0.1907	4.3700e-003	0.1950	0.0000	613.1348	613.1348	0.0381	0.0000	613.9348
Total	0.6362	2.3851	8.4005	0.0125	0.8411	0.0424	0.8835	0.2256	0.0390	0.2646	0.0000	991.4020	991.4020	0.0407	0.0000	992.2563

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	0.2912	2.0717	1.5823	2.2900e-003		0.1682	0.1682		0.1580	0.1580	0.0000	207.0411	207.0411	0.0514	0.0000	208.1194
Total	0.2912	2.0717	1.5823	2.2900e-003		0.1682	0.1682		0.1580	0.1580	0.0000	207.0411	207.0411	0.0514	0.0000	208.1194

3.4 Building Construction - 2016

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	0.2671	1.8653	3.4289	4.1900e-003	0.1229	0.0377	0.1606	0.0349	0.0346	0.0695	0.0000	378.2673	378.2673	2.5800e-003	0.0000	378.3215
Worker	0.3691	0.5199	4.9716	8.3200e-003	0.7182	4.7500e-003	0.7229	0.1907	4.3700e-003	0.1950	0.0000	613.1348	613.1348	0.0381	0.0000	613.9348
Total	0.6362	2.3851	8.4005	0.0125	0.8411	0.0424	0.8835	0.2256	0.0390	0.2646	0.0000	991.4020	991.4020	0.0407	0.0000	992.2563

3.4 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	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319
Total	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319

3.4 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	0.3592	2.5416	4.8258	6.3500e-003	0.1869	0.0501	0.2370	0.0531	0.0461	0.0992	0.0000	565.3725	565.3725	3.6900e-003	0.0000	565.4501
Worker	0.5048	0.7195	6.8313	0.0126	1.0919	7.0200e-003	1.0989	0.2899	6.4700e-003	0.2964	0.0000	894.1374	894.1374	0.0536	0.0000	895.2635
Total	0.8640	3.2611	11.6571	0.0190	1.2788	0.0571	1.3359	0.3430	0.0525	0.3955	0.0000	1,459.5099	1,459.5099	0.0573	0.0000	1,460.7136

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	0.4033	2.9178	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315
Total	0.4033	2.9178	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315

3.4 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	0.3592	2.5416	4.8258	6.3500e-003	0.1869	0.0501	0.2370	0.0531	0.0461	0.0992	0.0000	565.3725	565.3725	3.6900e-003	0.0000	565.4501
Worker	0.5048	0.7195	6.8313	0.0126	1.0919	7.0200e-003	1.0989	0.2899	6.4700e-003	0.2964	0.0000	894.1374	894.1374	0.0536	0.0000	895.2635
Total	0.8640	3.2611	11.6571	0.0190	1.2788	0.0571	1.3359	0.3430	0.0525	0.3955	0.0000	1,459.5099	1,459.5099	0.0573	0.0000	1,460.7136

3.4 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
Total	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

3.4 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	0.3218	2.3180	4.5225	6.3600e-003	0.1875	0.0471	0.2347	0.0532	0.0434	0.0966	0.0000	557.3637	557.3637	3.6400e-003	0.0000	557.4401
Worker	0.4574	0.6620	6.2375	0.0127	1.0961	6.9300e-003	1.1031	0.2910	6.4100e-003	0.2974	0.0000	862.9278	862.9278	0.0502	0.0000	863.9824
Total	0.7792	2.9800	10.7600	0.0190	1.2836	0.0541	1.3377	0.3442	0.0498	0.3940	0.0000	1,420.2914	1,420.2914	0.0539	0.0000	1,421.4225

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	2.5802	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
Total	0.3483	2.5802	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

3.4 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	0.3218	2.3180	4.5225	6.3600e-003	0.1875	0.0471	0.2347	0.0532	0.0434	0.0966	0.0000	557.3637	557.3637	3.6400e-003	0.0000	557.4401
Worker	0.4574	0.6620	6.2375	0.0127	1.0961	6.9300e-003	1.1031	0.2910	6.4100e-003	0.2974	0.0000	862.9278	862.9278	0.0502	0.0000	863.9824
Total	0.7792	2.9800	10.7600	0.0190	1.2836	0.0541	1.3377	0.3442	0.0498	0.3940	0.0000	1,420.2914	1,420.2914	0.0539	0.0000	1,421.4225

3.4 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	0.1270	1.1321	0.9245	1.4500e-003		0.0694	0.0694		0.0653	0.0653	0.0000	126.4263	126.4263	0.0308	0.0000	127.0723
Total	0.1270	1.1321	0.9245	1.4500e-003		0.0694	0.0694		0.0653	0.0653	0.0000	126.4263	126.4263	0.0308	0.0000	127.0723

3.4 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	0.1220	0.8768	1.7744	2.6200e-003	0.0776	0.0181	0.0957	0.0220	0.0167	0.0387	0.0000	226.5125	226.5125	1.4800e-003	0.0000	226.5436
Worker	0.1738	0.2530	2.3883	5.2400e-003	0.4536	2.8700e-003	0.4564	0.1204	2.6600e-003	0.1231	0.0000	343.6675	343.6675	0.0196	0.0000	344.0800
Total	0.2958	1.1298	4.1627	7.8600e-003	0.5311	0.0210	0.5521	0.1424	0.0193	0.1617	0.0000	570.1800	570.1800	0.0211	0.0000	570.6236

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	0.1270	0.9623	0.9245	1.4500e-003		0.0694	0.0694		0.0653	0.0653	0.0000	126.4262	126.4262	0.0308	0.0000	127.0721
Total	0.1270	0.9623	0.9245	1.4500e-003		0.0694	0.0694		0.0653	0.0653	0.0000	126.4262	126.4262	0.0308	0.0000	127.0721

3.4 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	0.1220	0.8768	1.7744	2.6200e-003	0.0776	0.0181	0.0957	0.0220	0.0167	0.0387	0.0000	226.5125	226.5125	1.4800e-003	0.0000	226.5436
Worker	0.1738	0.2530	2.3883	5.2400e-003	0.4536	2.8700e-003	0.4564	0.1204	2.6600e-003	0.1231	0.0000	343.6675	343.6675	0.0196	0.0000	344.0800
Total	0.2958	1.1298	4.1627	7.8600e-003	0.5311	0.0210	0.5521	0.1424	0.0193	0.1617	0.0000	570.1800	570.1800	0.0211	0.0000	570.6236

3.5 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	0.0428	0.4481	0.4310	6.7000e-004		0.0243	0.0243		0.0223	0.0223	0.0000	60.1184	60.1184	0.0190	0.0000	60.5178
Paving	2.2800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0451	0.4481	0.4310	6.7000e-004		0.0243	0.0243		0.0223	0.0223	0.0000	60.1184	60.1184	0.0190	0.0000	60.5178

3.5 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	1.4300e-003	2.0800e-003	0.0196	4.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.8188	2.8188	1.6000e-004	0.0000	2.8222
Total	1.4300e-003	2.0800e-003	0.0196	4.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.8188	2.8188	1.6000e-004	0.0000	2.8222

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	0.0428	0.3809	0.4310	6.7000e-004		0.0243	0.0243		0.0223	0.0223	0.0000	60.1183	60.1183	0.0190	0.0000	60.5178
Paving	2.2800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0451	0.3809	0.4310	6.7000e-004		0.0243	0.0243		0.0223	0.0223	0.0000	60.1183	60.1183	0.0190	0.0000	60.5178

3.5 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	1.4300e-003	2.0800e-003	0.0196	4.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.8188	2.8188	1.6000e-004	0.0000	2.8222
Total	1.4300e-003	2.0800e-003	0.0196	4.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.8188	2.8188	1.6000e-004	0.0000	2.8222

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	3.2354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.0844	0.0847	1.4000e-004		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	11.7450	11.7450	9.9000e-004	0.0000	11.7658
Total	3.2477	0.0844	0.0847	1.4000e-004		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	11.7450	11.7450	9.9000e-004	0.0000	11.7658

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	0.0296	0.0431	0.4065	8.9000e-004	0.0772	4.9000e-004	0.0777	0.0205	4.5000e-004	0.0210	0.0000	58.4931	58.4931	3.3400e-003	0.0000	58.5633	
Total	0.0296	0.0431	0.4065	8.9000e-004	0.0772	4.9000e-004	0.0777	0.0205	4.5000e-004	0.0210	0.0000	58.4931	58.4931	3.3400e-003	0.0000	58.5633	

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	3.2354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.0718	0.0847	1.4000e-004		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	11.7450	11.7450	9.9000e-004	0.0000	11.7658
Total	3.2477	0.0718	0.0847	1.4000e-004		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	11.7450	11.7450	9.9000e-004	0.0000	11.7658

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	0.0296	0.0431	0.4065	8.9000e-004	0.0772	4.9000e-004	0.0777	0.0205	4.5000e-004	0.0210	0.0000	58.4931	58.4931	3.3400e-003	0.0000	58.5633
Total	0.0296	0.0431	0.4065	8.9000e-004	0.0772	4.9000e-004	0.0777	0.0205	4.5000e-004	0.0210	0.0000	58.4931	58.4931	3.3400e-003	0.0000	58.5633

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2138					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020
Total	9.2455	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0786	0.1149	1.0823	2.5400e-003	0.2199	1.3900e-003	0.2212	0.0584	1.2900e-003	0.0597	0.0000	159.8157	159.8157	9.0700e-003	0.0000	160.0062	
Total	0.0786	0.1149	1.0823	2.5400e-003	0.2199	1.3900e-003	0.2212	0.0584	1.2900e-003	0.0597	0.0000	159.8157	159.8157	9.0700e-003	0.0000	160.0062	

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	9.2138					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.1875	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020
Total	9.2455	0.1875	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0786	0.1149	1.0823	2.5400e-003	0.2199	1.3900e-003	0.2212	0.0584	1.2900e-003	0.0597	0.0000	159.8157	159.8157	9.0700e-003	0.0000	160.0062
Total	0.0786	0.1149	1.0823	2.5400e-003	0.2199	1.3900e-003	0.2212	0.0584	1.2900e-003	0.0597	0.0000	159.8157	159.8157	9.0700e-003	0.0000	160.0062

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0733	0.0872	1.4000e-004		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	12.2556	12.2556	8.4000e-004	0.0000	12.2733
Total	3.3866	0.0733	0.0872	1.4000e-004		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	12.2556	12.2556	8.4000e-004	0.0000	12.2733

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0273	0.0399	0.3777	9.3000e-004	0.0806	5.2000e-004	0.0811	0.0214	4.8000e-004	0.0219	0.0000	57.6965	57.6965	3.2300e-003	0.0000	57.7643
Total	0.0273	0.0399	0.3777	9.3000e-004	0.0806	5.2000e-004	0.0811	0.0214	4.8000e-004	0.0219	0.0000	57.6965	57.6965	3.2300e-003	0.0000	57.7643

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	3.3761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0623	0.0872	1.4000e-004		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	12.2556	12.2556	8.4000e-004	0.0000	12.2733
Total	3.3866	0.0623	0.0872	1.4000e-004		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	12.2556	12.2556	8.4000e-004	0.0000	12.2733

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0273	0.0399	0.3777	9.3000e-004	0.0806	5.2000e-004	0.0811	0.0214	4.8000e-004	0.0219	0.0000	57.6965	57.6965	3.2300e-003	0.0000	57.7643
Total	0.0273	0.0399	0.3777	9.3000e-004	0.0806	5.2000e-004	0.0811	0.0214	4.8000e-004	0.0219	0.0000	57.6965	57.6965	3.2300e-003	0.0000	57.7643

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	10.7042	21.4200	109.8559	0.2002	12.8357	0.3951	13.2309	3.4295	0.3642	3.7937	0.0000	13,804.5169	13,804.5169	0.5303	0.0000	13,815.6538
Unmitigated	10.7042	21.4200	109.8559	0.2002	12.8357	0.3951	13.2309	3.4295	0.3642	3.7937	0.0000	13,804.5169	13,804.5169	0.5303	0.0000	13,815.6538

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	2,665.00	2,756.00	3945.50	6,399,671	6,399,671
City Park	1.14	1.14	1.14	2,183	2,183
General Office Building	1,281.18	239.61	95.84	2,055,285	2,055,285
Hotel	5,177.00	5,077.80	3689.00	7,351,338	7,351,338
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	13,668.30	18,208.74	7407.94	17,777,143	17,777,143
Total	22,792.62	26,283.29	15,139.43	33,585,620	33,585,620

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
City Park	12.50	4.20	5.40	33.00	48.00	19.00	66	28	6
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hotel	12.50	4.20	5.40	19.40	61.60	19.00	58	38	4
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469364	0.065576	0.169825	0.159036	0.038089	0.006139	0.011322	0.071493	0.001371	0.001211	0.003602	0.000518	0.002454

5.0 Energy Detail

2.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,553.4331	7,553.4331	0.3472	0.0718	7,582.9936
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,553.4331	7,553.4331	0.3472	0.0718	7,582.9936
NaturalGas Mitigated	0.3530	3.1858	2.5272	0.0193		0.2439	0.2439		0.2439	0.2439	0.0000	3,493.1374	3,493.1374	0.0670	0.0640	3,514.3961
NaturalGas Unmitigated	0.3530	3.1858	2.5272	0.0193		0.2439	0.2439		0.2439	0.2439	0.0000	3,493.1374	3,493.1374	0.0670	0.0640	3,514.3961

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	7.79594e+006	0.0420	0.3592	0.1529	2.2900e-003		0.0290	0.0290		0.0290	0.0290	0.0000	416.0209	416.0209	7.9700e-003	7.6300e-003	418.5528
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	356970	1.9200e-003	0.0175	0.0147	1.0000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0493	19.0493	3.7000e-004	3.5000e-004	19.1652
Hotel	5.66251e+007	0.3053	2.7757	2.3316	0.0167		0.2110	0.2110		0.2110	0.2110	0.0000	3,021.7308	3,021.7308	0.0579	0.0554	3,040.1205
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	680920	3.6700e-003	0.0334	0.0280	2.0000e-004		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	36.3365	36.3365	7.0000e-004	6.7000e-004	36.5576
Total		0.3530	3.1858	2.5272	0.0192		0.2439	0.2439		0.2439	0.2439	0.0000	3,493.1374	3,493.1374	0.0670	0.0641	3,514.3961

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	7.79594e+006	0.0420	0.3592	0.1529	2.2900e-003		0.0290	0.0290		0.0290	0.0290	0.0000	416.0209	416.0209	7.9700e-003	7.6300e-003	418.5528
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	356970	1.9200e-003	0.0175	0.0147	1.0000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0493	19.0493	3.7000e-004	3.5000e-004	19.1652
Hotel	5.66251e+007	0.3053	2.7757	2.3316	0.0167		0.2110	0.2110		0.2110	0.2110	0.0000	3,021.7308	3,021.7308	0.0579	0.0554	3,040.1205
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	680920	3.6700e-003	0.0334	0.0280	2.0000e-004		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	36.3365	36.3365	7.0000e-004	6.7000e-004	36.5576
Total		0.3530	3.1858	2.5272	0.0192		0.2439	0.2439		0.2439	0.2439	0.0000	3,493.1374	3,493.1374	0.0670	0.0641	3,514.3961

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	2.50565e+006	717.0329	0.0330	6.8200e-003	719.8391
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.04548e+006	299.1823	0.0138	2.8500e-003	300.3532
Hotel	1.82479e+007	5,221.9347	0.2400	0.0497	5,242.3709
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.59621e+006	1,315.2831	0.0605	0.0125	1,320.4305
Total		7,553.4331	0.3472	0.0718	7,582.9936

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	2.50565e+006	717.0329	0.0330	6.8200e-003	719.8391
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.04548e+006	299.1823	0.0138	2.8500e-003	300.3532
Hotel	1.82479e+007	5,221.9347	0.2400	0.0497	5,242.3709
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.59621e+006	1,315.2831	0.0605	0.0125	1,320.4305
Total		7,553.4331	0.3472	0.0718	7,582.9936

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6817	0.0558	4.8409	2.6000e-004		0.0267	0.0267		0.0267	0.0267	0.0000	7.9018	7.9018	7.6500e-003	0.0000	8.0626
Unmitigated	9.6162	0.0883	6.8351	6.7500e-003		0.3873	0.3873		0.3870	0.3870	43.5002	519.8742	563.3745	0.2208	9.3900e-003	570.9214

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.0012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2710	0.0325	1.9943	6.5000e-003		0.3606	0.3606		0.3602	0.3602	43.5002	511.9724	555.4726	0.2132	9.3900e-003	562.8589
Landscaping	0.1468	0.0558	4.8409	2.6000e-004		0.0267	0.0267		0.0267	0.0267	0.0000	7.9018	7.9018	7.6500e-003	0.0000	8.0626
Total	9.6162	0.0883	6.8351	6.7600e-003		0.3873	0.3873		0.3870	0.3870	43.5002	519.8742	563.3745	0.2208	9.3900e-003	570.9214

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.4030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1468	0.0558	4.8409	2.6000e-004		0.0267	0.0267		0.0267	0.0267	0.0000	7.9018	7.9018	7.6500e-003	0.0000	8.0626
Total	7.6817	0.0558	4.8409	2.6000e-004		0.0267	0.0267		0.0267	0.0267	0.0000	7.9018	7.9018	7.6500e-003	0.0000	8.0626

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	565.9773	0.9228	0.0797	610.0653
Unmitigated	565.9773	0.9234	0.0798	610.1202

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	42.3501 / 26.699	257.6721	0.4029	0.0349	276.9485
City Park	0 / 0.857867	2.7274	1.3000e-004	3.0000e-005	2.7381
General Office Building	17.3824 / 10.6537	104.7912	0.1653	0.0143	112.6993
Hotel	15.7274 / 1.74749	69.7233	0.1484	0.0127	76.7803
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	21.7403 / 13.3247	131.0633	0.2067	0.0179	140.9541
Total		565.9773	0.9234	0.0798	610.1202

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	42.3501 / 26.699	257.6721	0.4026	0.0348	276.9246
City Park	0 / 0.857867	2.7274	1.3000e-004	3.0000e-005	2.7381
General Office Building	17.3824 / 10.6537	104.7912	0.1652	0.0143	112.6895
Hotel	15.7274 / 1.74749	69.7233	0.1483	0.0127	76.7714
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	21.7403 / 13.3247	131.0633	0.2066	0.0179	140.9418
Total		565.9773	0.9228	0.0797	610.0653

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	210.6315	12.4480	0.0000	472.0389
Unmitigated	210.6315	12.4480	0.0000	472.0389

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	299	60.6943	3.5869	0.0000	136.0198
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0273
General Office Building	90.95	18.4620	1.0911	0.0000	41.3746
Hotel	339.45	68.9053	4.0722	0.0000	154.4212
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	308.18	62.5578	3.6971	0.0000	140.1960
Total		210.6315	12.4480	0.0000	472.0389

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	299	60.6943	3.5869	0.0000	136.0198
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0273
General Office Building	90.95	18.4620	1.0911	0.0000	41.3746
Hotel	339.45	68.9053	4.0722	0.0000	154.4212
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	308.18	62.5578	3.6971	0.0000	140.1960
Total		210.6315	12.4480	0.0000	472.0389

9.0 Operational Offroad

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

Downtown Palm Springs Addendum

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	97.80	1000sqft	1.50	97,800.00	0
Other Asphalt Surfaces	1.74	Acre	1.74	75,794.40	0
City Park	0.72	Acre	0.72	31,363.20	0
Hotel	620.00	Room	6.00	900,240.00	0
Apartments High Rise	650.00	Dwelling Unit	4.00	650,000.00	2100
Regional Shopping Center	293.50	1000sqft	6.19	293,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Air Quality Modeling for the Downtown Palm Springs EIR Addendum.

Land Use - The commercial/retail space was characterized as "regional shopping center" due to similar retail activities. Traffic counts will be modified per the project Traffic Report. Division of acreage is assumed for AQ purposes, actual acreage breakdown may vary.

Construction Phase - Assumes a 5 year buildout period from 2016-2021.

Off-road Equipment - Default equipment lists are assumed.

On-road Fugitive Dust - All roadways in the planning area are currently paved.

Grading - Export data provided by Sanborn A E, September 23, 2015.

Architectural Coating - Assumes low VOC paint per SCAQMD 1113.

Vehicle Trips - Trip rate modifications based on 2015 Traffic Report.

Road Dust - All roads in planning area are paved.

Woodstoves - There will be no wood burning appliances within the residential development.

Energy Use -

Water And Wastewater - No septic tanks.

Construction Off-road Equipment Mitigation - Application of standard dust control measures. Apply oxidation catalysts to all equipment for a 15% reduction.

Area Coating - Low VOC paints will be reapplied, per SCAQMD Rule 1113.

Area Mitigation - The lowest VOC paint, or no VOC paint will be applied in the event mitigation is required for ROG.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	25
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	25
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	25
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	25

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstructionPhase	NumDays	20.00	450.00
tblConstructionPhase	NumDays	370.00	800.00

tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/22/2019	8/23/2019
tblConstructionPhase	PhaseStartDate	5/31/2019	6/1/2019
tblGrading	AcresOfGrading	150.00	20.15
tblGrading	MaterialExported	0.00	8,753.00
tblLandUse	LotAcreage	2.25	1.50
tblLandUse	LotAcreage	20.67	6.00
tblLandUse	LotAcreage	10.48	4.00
tblLandUse	LotAcreage	6.74	6.19
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2022
tblRoadDust	RoadPercentPave	50	100

tblVehicleTrips	ST_TR	7.16	4.24
tblVehicleTrips	ST_TR	2.37	2.45
tblVehicleTrips	ST_TR	49.97	62.04
tblVehicleTrips	WD_TR	6.59	4.10
tblVehicleTrips	WD_TR	11.01	13.10
tblVehicleTrips	WD_TR	8.17	8.35
tblVehicleTrips	WD_TR	42.94	46.57
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	11.8388	79.0164	121.6113	0.1752	18.2169	3.6848	21.1565	9.9706	3.3900	12.6751	0.0000	15,623.2488	15,623.2488	1.9520	0.0000	15,664.2398
2017	10.6420	50.2039	111.7412	0.1750	9.9528	2.2185	12.1713	2.6666	2.0751	4.7418	0.0000	15,181.9241	15,181.9241	1.1351	0.0000	15,205.7609
2018	9.4478	44.9484	103.1498	0.1748	9.9521	1.9066	11.8587	2.6663	1.7843	4.4506	0.0000	14,767.9711	14,767.9711	1.0930	0.0000	14,790.9242
2019	71.3977	40.8569	96.8391	0.1746	9.9514	1.6718	11.6232	2.6660	1.5644	4.2304	0.0000	14,376.0142	14,376.0142	1.0584	0.0000	14,398.2401
2020	71.3177	2.5035	11.0638	0.0227	1.6984	0.1216	1.8200	0.4505	0.1208	0.5713	0.0000	1,652.0234	1,652.0234	0.0981	0.0000	1,654.0843
2021	71.2531	2.3044	10.6039	0.0228	1.6984	0.1049	1.8033	0.4505	0.1041	0.5546	0.0000	1,631.7788	1,631.7788	0.0935	0.0000	1,633.7423
Total	245.8970	219.8334	455.0091	0.7450	51.4700	9.7082	60.4331	18.8706	9.0387	27.2238	0.0000	63,232.9605	63,232.9605	5.4300	0.0000	63,346.9915

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	58.6436	1.4125	102.4281	0.1613		9.0924	9.0924		9.0832	9.0832	1,169,532.0	13,861.4868	15,031.0188	5.8249	0.2524	15,231.5709
Energy	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702
Mobile	89.2734	144.9069	790.4003	1.4419	92.1430	2.7977	94.9407	24.5958	2.5785	27.1743		109,502.3505	109,502.3505	4.1431		109,589.3560
Total	149.8511	163.7761	906.6762	1.7087	92.1430	13.2264	105.3693	24.5958	12.9980	37.5937	1,169,532.0	144,462.6040	145,632.1360	10.3724	0.6392	146,048.0971

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.9179	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970	0.0000	96.7809	96.7809	0.0937	0.0000	98.7495
Energy	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702
Mobile	89.2734	144.9069	790.4003	1.4419	92.1430	2.7977	94.9407	24.5958	2.5785	27.1743		109,502.3505	109,502.3505	4.1431		109,589.3560
Total	134.1254	162.9837	858.0353	1.5503	92.1430	4.4310	96.5739	24.5958	4.2117	28.8075	0.0000	130,697.8981	130,697.8981	4.6413	0.3868	130,915.2757

	ROG	NOx	CO	SO2	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	10.49	0.48	5.36	9.27	0.00	66.50	8.35	0.00	67.60	23.37	100.00	9.53	10.25	55.25	39.48	10.36

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	2/11/2016	5	30	
2	Grading	Grading	2/12/2016	5/5/2016	5	60	
3	Building Construction	Building Construction	5/6/2016	5/30/2019	5	800	
4	Paving	Paving	6/1/2019	8/23/2019	5	60	
5	Architectural Coating	Architectural Coating	8/24/2019	5/14/2021	5	450	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20.15

Acres of Paving: 0

Residential Indoor: 1,316,250; Residential Outdoor: 438,750; Non-Residential Indoor: 2,098,046; Non-Residential Outdoor: 699,349
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,094.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,016.00	299.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	203.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Site Preparation - 2016

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	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.005 3	4,065.005 3	1.2262		4,090.754 4
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.005 3	4,065.005 3	1.2262		4,090.754 4

3.2 Site Preparation - 2016

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	0.0946	0.1005	1.1548	1.7600e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		142.6944	142.6944	8.7000e-003		142.8771
Total	0.0946	0.1005	1.1548	1.7600e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		142.6944	142.6944	8.7000e-003		142.8771

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.0771	46.4375	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	46.4375	41.1053	0.0391	7.0458	2.9387	9.9845	3.8730	2.7036	6.5766	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

3.2 Site Preparation - 2016

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	0.0946	0.1005	1.1548	1.7600e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		142.6944	142.6944	8.7000e-003		142.8771
Total	0.0946	0.1005	1.1548	1.7600e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		142.6944	142.6944	8.7000e-003		142.8771

3.3 Grading - 2016

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					6.4073	0.0000	6.4073	3.3531	0.0000	3.3531			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	6.4073	3.5842	9.9915	3.3531	3.2975	6.6506		6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

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	0.3345	4.0910	4.2636	0.0128	0.3193	0.0995	0.4187	0.0876	0.0915	0.1790		1,288.2487	1,288.2487	7.2900e-003		1,288.4019
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	0.1051	0.1117	1.2832	1.9500e-003	0.1673	1.0900e-003	0.1684	0.0444	1.0100e-003	0.0454		158.5493	158.5493	9.6700e-003		158.7524
Total	0.4396	4.2027	5.5467	0.0147	0.4866	0.1006	0.5872	0.1319	0.0925	0.2244		1,446.7980	1,446.7980	0.0170		1,447.1543

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					2.4988	0.0000	2.4988	1.3077	0.0000	1.3077			0.0000			0.0000
Off-Road	6.4795	63.5917	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	63.5917	49.1374	0.0617	2.4988	3.5842	6.0831	1.3077	3.2975	4.6052	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

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	0.3345	4.0910	4.2636	0.0128	0.3193	0.0995	0.4187	0.0876	0.0915	0.1790		1,288.2487	1,288.2487	7.2900e-003		1,288.4019
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	0.1051	0.1117	1.2832	1.9500e-003	0.1673	1.0900e-003	0.1684	0.0444	1.0100e-003	0.0454		158.5493	158.5493	9.6700e-003		158.7524
Total	0.4396	4.2027	5.5467	0.0147	0.4866	0.1006	0.5872	0.1319	0.0925	0.2244		1,446.7980	1,446.7980	0.0170		1,447.1543

3.4 Building Construction - 2016

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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

3.4 Building Construction - 2016

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	3.0954	20.7615	37.9202	0.0492	1.4522	0.4378	1.8900	0.4119	0.4025	0.8144		4,899.6574	4,899.6574	0.0326			4,900.3426
Worker	5.3372	5.6717	65.1844	0.0992	8.5006	0.0556	8.5562	2.2547	0.0511	2.3058		8,054.3051	8,054.3051	0.4912			8,064.6198
Total	8.4326	26.4332	103.1046	0.1484	9.9527	0.4934	10.4461	2.6666	0.4536	3.1202		12,953.9624	12,953.9624	0.5238			12,964.9624

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	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 Building Construction - 2016

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	3.0954	20.7615	37.9202	0.0492	1.4522	0.4378	1.8900	0.4119	0.4025	0.8144		4,899.6574	4,899.6574	0.0326			4,900.3426
Worker	5.3372	5.6717	65.1844	0.0992	8.5006	0.0556	8.5562	2.2547	0.0511	2.3058		8,054.3051	8,054.3051	0.4912			8,064.6198
Total	8.4326	26.4332	103.1046	0.1484	9.9527	0.4934	10.4461	2.6666	0.4536	3.1202		12,953.9624	12,953.9624	0.5238			12,964.9624

3.4 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
Total	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

3.4 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	2.7329	18.6312	34.7545	0.0491	1.4522	0.3833	1.8355	0.4119	0.3524	0.7643		4,816.5238	4,816.5238	0.0307			4,817.1682
Worker	4.8067	5.1670	58.8576	0.0991	8.5006	0.0540	8.5546	2.2547	0.0498	2.3045		7,725.5950	7,725.5950	0.4547			7,735.1436
Total	7.5396	23.7982	93.6121	0.1482	9.9528	0.4373	10.3901	2.6666	0.4022	3.0688		12,542.1188	12,542.1188	0.4854			12,552.3119

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	22.4448	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
Total	3.1024	22.4448	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

3.4 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	2.7329	18.6312	34.7545	0.0491	1.4522	0.3833	1.8355	0.4119	0.3524	0.7643		4,816.5238	4,816.5238	0.0307			4,817.1682
Worker	4.8067	5.1670	58.8576	0.0991	8.5006	0.0540	8.5546	2.2547	0.0498	2.3045		7,725.5950	7,725.5950	0.4547			7,735.1436
Total	7.5396	23.7982	93.6121	0.1482	9.9528	0.4373	10.3901	2.6666	0.4022	3.0688		12,542.1188	12,542.1188	0.4854			12,552.3119

3.4 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
Total	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

3.4 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	2.4339	16.9482	32.1273	0.0489	1.4515	0.3592	1.8107	0.4116	0.3304	0.7419		4,730.1860	4,730.1860	0.0301			4,730.8178
Worker	4.3452	4.7393	53.4898	0.0991	8.5006	0.0531	8.5537	2.2547	0.0491	2.3039		7,427.8462	7,427.8462	0.4242			7,436.7547
Total	6.7791	21.6875	85.6171	0.1480	9.9521	0.4124	10.3644	2.6663	0.3795	3.0458		12,158.0322	12,158.0322	0.4543			12,167.5725

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	19.7717	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
Total	2.6687	19.7717	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

3.4 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	2.4339	16.9482	32.1273	0.0489	1.4515	0.3592	1.8107	0.4116	0.3304	0.7419		4,730.1860	4,730.1860	0.0301			4,730.8178
Worker	4.3452	4.7393	53.4898	0.0991	8.5006	0.0531	8.5537	2.2547	0.0491	2.3039		7,427.8462	7,427.8462	0.4242			7,436.7547
Total	6.7791	21.6875	85.6171	0.1480	9.9521	0.4124	10.3644	2.6663	0.3795	3.0458		12,158.0322	12,158.0322	0.4543			12,167.5725

3.4 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
Total	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

3.4 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	2.2275	15.5124	30.2637	0.0488	1.4508	0.3336	1.7844	0.4113	0.3068	0.7181		4,645.7490	4,645.7490	0.0295			4,646.3687
Worker	3.9875	4.3794	49.4551	0.0990	8.5006	0.0532	8.5538	2.2547	0.0493	2.3040		7,149.5035	7,149.5035	0.4010			7,157.9235
Total	6.2149	19.8918	79.7187	0.1478	9.9514	0.3868	10.3382	2.6660	0.3561	3.0221		11,795.2525	11,795.2525	0.4305			11,804.2922

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	17.8203	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
Total	2.3516	17.8203	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

3.4 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	2.2275	15.5124	30.2637	0.0488	1.4508	0.3336	1.7844	0.4113	0.3068	0.7181		4,645.7490	4,645.7490	0.0295			4,646.3687
Worker	3.9875	4.3794	49.4551	0.0990	8.5006	0.0532	8.5538	2.2547	0.0493	2.3040		7,149.5035	7,149.5035	0.4010			7,157.9235
Total	6.2149	19.8918	79.7187	0.1478	9.9514	0.3868	10.3382	2.6660	0.3561	3.0221		11,795.2525	11,795.2525	0.4305			11,804.2922

3.5 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	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989			2,223.6499
Paving	0.0760					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.5018	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989			2,223.6499

3.5 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	0.0589	0.0647	0.7301	1.4600e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		105.5537	105.5537	5.9200e-003			105.6780
Total	0.0589	0.0647	0.7301	1.4600e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		105.5537	105.5537	5.9200e-003			105.6780

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	1.4259	12.6950	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989			2,223.6499
Paving	0.0760					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.5018	12.6950	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989			2,223.6499

3.5 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	0.0589	0.0647	0.7301	1.4600e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		105.5537	105.5537	5.9200e-003		105.6780
Total	0.0589	0.0647	0.7301	1.4600e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		105.5537	105.5537	5.9200e-003		105.6780

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	70.3345					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
Total	70.6009	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.7967	0.8750	9.8813	0.0198	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,428.4933	1,428.4933	0.0801			1,430.1757
Total	0.7967	0.8750	9.8813	0.0198	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,428.4933	1,428.4933	0.0801			1,430.1757

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	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.2664	1.5601	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473
Total	70.6009	1.5601	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473

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	0.7967	0.8750	9.8813	0.0198	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,428.4933	1,428.4933	0.0801			1,430.1757
Total	0.7967	0.8750	9.8813	0.0198	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,428.4933	1,428.4933	0.0801			1,430.1757

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9057
Total	70.5767	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9057

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.7411	0.8196	9.2324	0.0198	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,370.5754	1,370.5754	0.0763			1,372.1786
Total	0.7411	0.8196	9.2324	0.0198	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,370.5754	1,370.5754	0.0763			1,372.1786

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	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.4313	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057
Total	70.5767	1.4313	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.7411	0.8196	9.2324	0.0198	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,370.5754	1,370.5754	0.0763			1,372.1786
Total	0.7411	0.8196	9.2324	0.0198	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,370.5754	1,370.5754	0.0763			1,372.1786

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	70.5534	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.6997	0.7776	8.7864	0.0198	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,350.3307	1,350.3307	0.0742			1,351.8886
Total	0.6997	0.7776	8.7864	0.0198	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,350.3307	1,350.3307	0.0742			1,351.8886

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	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.2189	1.2978	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193			281.8537
Total	70.5534	1.2978	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193			281.8537

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.6997	0.7776	8.7864	0.0198	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,350.3307	1,350.3307	0.0742			1,351.8886
Total	0.6997	0.7776	8.7864	0.0198	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,350.3307	1,350.3307	0.0742			1,351.8886

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	89.2734	144.9069	790.4003	1.4419	92.1430	2.7977	94.9407	24.5958	2.5785	27.1743		109,502.3505	109,502.3505	4.1431			109,589.3560
Unmitigated	89.2734	144.9069	790.4003	1.4419	92.1430	2.7977	94.9407	24.5958	2.5785	27.1743		109,502.3505	109,502.3505	4.1431			109,589.3560

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	2,665.00	2,756.00	3945.50	6,399,671	6,399,671
City Park	1.14	1.14	1.14	2,183	2,183
General Office Building	1,281.18	239.61	95.84	2,055,285	2,055,285
Hotel	5,177.00	5,077.80	3689.00	7,351,338	7,351,338
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	13,668.30	18,208.74	7407.94	17,777,143	17,777,143
Total	22,792.62	26,283.29	15,139.43	33,585,620	33,585,620

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
City Park	12.50	4.20	5.40	33.00	48.00	19.00	66	28	6
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hotel	12.50	4.20	5.40	19.40	61.60	19.00	58	38	4
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469364	0.065576	0.169825	0.159036	0.038089	0.006139	0.011322	0.071493	0.001371	0.001211	0.003602	0.000518	0.002454

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702
NaturalGas Unmitigated	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	21358.7	0.2303	1.9684	0.8376	0.0126		0.1591	0.1591		0.1591	0.1591		2,512.7921	2,512.7921	0.0482	0.0461	2,528.0845
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	978	0.0106	0.0959	0.0805	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0588	115.0588	2.2100e-003	2.1100e-003	115.7591
Hotel	155137	1.6731	15.2095	12.7760	0.0913		1.1559	1.1559		1.1559	1.1559		18,251.4411	18,251.4411	0.3498	0.3346	18,362.5163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1865.53	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4746	219.4746	4.2100e-003	4.0200e-003	220.8103
Total		1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.978	0.0106	0.0959	0.0805	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0588	115.0588	2.2100e-003	2.1100e-003	115.7591
Hotel	155.137	1.6731	15.2095	12.7760	0.0913		1.1559	1.1559		1.1559	1.1559		18,251.4411	18,251.4411	0.3498	0.3346	18,362.5163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.86553	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4746	219.4746	4.2100e-003	4.0200e-003	220.8103
Apartments High Rise	21.3587	0.2303	1.9684	0.8376	0.0126		0.1591	0.1591		0.1591	0.1591		2,512.7921	2,512.7921	0.0482	0.0461	2,528.0845
Total		1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	42.9179	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970	0.0000	96.7809	96.7809	0.0937	0.0000	98.7495
Unmitigated	58.6436	1.4125	102.4281	0.1613		9.0924	9.0924		9.0832	9.0832	1,169.5320	13,861.4868	15,031.0188	5.8249	0.2524	15,231.5709

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.5601					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.8421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.6102	0.7924	48.6409	0.1585		8.7954	8.7954		8.7863	8.7863	1,169.5320	13,764.7059	14,934.2379	5.7312	0.2524	15,132.8214
Landscaping	1.6311	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970		96.7809	96.7809	0.0937		98.7495
Total	58.6436	1.4125	102.4281	0.1613		9.0924	9.0924		9.0832	9.0832	1,169.5320	13,861.4868	15,031.0188	5.8249	0.2524	15,231.5709

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7226					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	40.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6311	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970		96.7809	96.7809	0.0937		98.7495
Total	42.9179	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970	0.0000	96.7809	96.7809	0.0937	0.0000	98.7495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Downtown Palm Springs Addendum

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	97.80	1000sqft	1.50	97,800.00	0
Other Asphalt Surfaces	1.74	Acre	1.74	75,794.40	0
City Park	0.72	Acre	0.72	31,363.20	0
Hotel	620.00	Room	6.00	900,240.00	0
Apartments High Rise	650.00	Dwelling Unit	4.00	650,000.00	2100
Regional Shopping Center	293.50	1000sqft	6.19	293,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Air Quality Modeling for the Downtown Palm Springs EIR Addendum.

Land Use - The commercial/retail space was characterized as "regional shopping center" due to similar retail activities. Traffic counts will be modified per the project Traffic Report. Division of acreage is assumed for AQ purposes, actual acreage breakdown may vary.

Construction Phase - Assumes a 5 year buildout period from 2016-2021.

Off-road Equipment - Default equipment lists are assumed.

On-road Fugitive Dust - All roadways in the planning area are currently paved.

Grading - Export data provided by Sanborn A E, September 23, 2015.

Architectural Coating - Assumes low VOC paint per SCAQMD 1113.

Vehicle Trips - Trip rate modifications based on 2015 Traffic Report.

Road Dust - All roads in planning area are paved.

Woodstoves - There will be no wood burning appliances within the residential development.

Energy Use -

Water And Wastewater - No septic tanks.

Construction Off-road Equipment Mitigation - Application of standard dust control measures. Apply oxidation catalysts to all equipment for a 15% reduction.

Area Coating - Low VOC paints will be reapplied, per SCAQMD Rule 1113.

Area Mitigation - The lowest VOC paint, or no VOC paint will be applied in the event mitigation is required for ROG.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	25
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	25
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	25
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	25

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstructionPhase	NumDays	20.00	450.00
tblConstructionPhase	NumDays	370.00	800.00

tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/22/2019	8/23/2019
tblConstructionPhase	PhaseStartDate	5/31/2019	6/1/2019
tblGrading	AcresOfGrading	150.00	20.15
tblGrading	MaterialExported	0.00	8,753.00
tblLandUse	LotAcreage	2.25	1.50
tblLandUse	LotAcreage	20.67	6.00
tblLandUse	LotAcreage	10.48	4.00
tblLandUse	LotAcreage	6.74	6.19
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2022
tblRoadDust	RoadPercentPave	50	100

tblVehicleTrips	ST_TR	7.16	4.24
tblVehicleTrips	ST_TR	2.37	2.45
tblVehicleTrips	ST_TR	49.97	62.04
tblVehicleTrips	WD_TR	6.59	4.10
tblVehicleTrips	WD_TR	11.01	13.10
tblVehicleTrips	WD_TR	8.17	8.35
tblVehicleTrips	WD_TR	42.94	46.57
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	AerobicPercent	87.46	97.79
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	10.8480	79.3560	119.2893	0.1674	18.2169	3.6850	21.1565	9.9706	3.3902	12.6751	0.0000	14,985.48 02	14,985.48 02	1.9521	0.0000	15,026.47 40
2017	9.7294	51.8524	110.5645	0.1672	9.9528	2.2236	12.1764	2.6666	2.0799	4.7465	0.0000	14,567.41 09	14,567.41 09	1.1366	0.0000	14,591.27 93
2018	8.6031	46.4158	102.9577	0.1670	9.9521	1.9113	11.8634	2.6663	1.7886	4.4549	0.0000	14,174.92 42	14,174.92 42	1.0945	0.0000	14,197.90 96
2019	71.1932	42.1725	97.2675	0.1668	9.9514	1.6761	11.6275	2.6660	1.5683	4.2343	0.0000	13,803.02 82	13,803.02 82	1.0599	0.0000	13,825.28 67
2020	71.1294	2.5896	9.4134	0.0213	1.6984	0.1216	1.8200	0.4505	0.1208	0.5713	0.0000	1,552.020 3	1,552.020 3	0.0981	0.0000	1,554.081 1
2021	71.0779	2.3854	9.0246	0.0213	1.6984	0.1049	1.8033	0.4505	0.1041	0.5546	0.0000	1,533.264 9	1,533.264 9	0.0935	0.0000	1,535.228 4
Total	242.5810	224.7716	448.5168	0.7110	51.4700	9.7225	60.4472	18.8706	9.0518	27.2368	0.0000	60,616.12 86	60,616.12 86	5.4348	0.0000	60,730.25 90

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	58.6436	1.4125	102.4281	0.1613		9.0924	9.0924		9.0832	9.0832	1,169,532 0	13,861.48 68	15,031.01 88	5.8249	0.2524	15,231.57 09
Energy	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.76 66	21,098.76 66	0.4044	0.3868	21,227.17 02
Mobile	73.5310	155.2088	847.9749	1.3673	92.1430	2.8180	94.9609	24.5958	2.5971	27.1929		104,202.1 309	104,202.1 309	4.1620		104,289.5 331
Total	134.1086	174.0780	964.2508	1.6341	92.1430	13.2466	105.3896	24.5958	13.0166	37.6124	1,169,532 0	139,162.3 843	140,331.9 163	10.3913	0.6392	140,748.2 742

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.9179	0.6201	53.7872	2.8400e- 003		0.2970	0.2970		0.2970	0.2970	0.0000	96.7809	96.7809	0.0937	0.0000	98.7495
Energy	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.76 66	21,098.76 66	0.4044	0.3868	21,227.17 02
Mobile	73.5310	155.2088	847.9749	1.3673	92.1430	2.8180	94.9609	24.5958	2.5971	27.1929		104,202.1 309	104,202.1 309	4.1620		104,289.5 331
Total	118.3830	173.2855	915.6099	1.4757	92.1430	4.4512	96.5942	24.5958	4.2304	28.8261	0.0000	125,397.6 784	125,397.6 784	4.6601	0.3868	125,615.4 528

	ROG	NOx	CO	SO2	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	11.73	0.46	5.04	9.70	0.00	66.40	8.35	0.00	67.50	23.36	100.00	9.89	10.64	55.15	39.48	10.75

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	2/11/2016	5	30	
2	Grading	Grading	2/12/2016	5/5/2016	5	60	
3	Building Construction	Building Construction	5/6/2016	5/30/2019	5	800	
4	Paving	Paving	6/1/2019	8/23/2019	5	60	
5	Architectural Coating	Architectural Coating	8/24/2019	5/14/2021	5	450	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20.15

Acres of Paving: 0

Residential Indoor: 1,316,250; Residential Outdoor: 438,750; Non-Residential Indoor: 2,098,046; Non-Residential Outdoor: 699,349 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,094.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,016.00	299.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	203.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Site Preparation - 2016

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	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.005 3	4,065.005 3	1.2262		4,090.754 4
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.005 3	4,065.005 3	1.2262		4,090.754 4

3.2 Site Preparation - 2016

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	0.0709	0.1116	0.9545	1.6300e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		132.3586	132.3586	8.7000e-003		132.5413
Total	0.0709	0.1116	0.9545	1.6300e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		132.3586	132.3586	8.7000e-003		132.5413

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.0771	46.4375	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	46.4375	41.1053	0.0391	7.0458	2.9387	9.9845	3.8730	2.7036	6.5766	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

3.2 Site Preparation - 2016

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	0.0709	0.1116	0.9545	1.6300e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		132.3586	132.3586	8.7000e-003		132.5413
Total	0.0709	0.1116	0.9545	1.6300e-003	0.1506	9.9000e-004	0.1516	0.0400	9.0000e-004	0.0409		132.3586	132.3586	8.7000e-003		132.5413

3.3 Grading - 2016

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					6.4073	0.0000	6.4073	3.3531	0.0000	3.3531			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	6.4073	3.5842	9.9915	3.3531	3.2975	6.6506		6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

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	0.3641	4.4183	5.0363	0.0128	0.3193	0.0997	0.4189	0.0876	0.0917	0.1792		1,285.0258	1,285.0258	7.4300e-003		1,285.1818
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	0.0788	0.1240	1.0606	1.8100e-003	0.1673	1.0900e-003	0.1684	0.0444	1.0100e-003	0.0454		147.0651	147.0651	9.6700e-003		147.2681
Total	0.4429	4.5423	6.0969	0.0146	0.4866	0.1008	0.5874	0.1319	0.0927	0.2246		1,432.0909	1,432.0909	0.0171		1,432.4499

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					2.4988	0.0000	2.4988	1.3077	0.0000	1.3077			0.0000			0.0000
Off-Road	6.4795	63.5917	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	63.5917	49.1374	0.0617	2.4988	3.5842	6.0831	1.3077	3.2975	4.6052	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

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	0.3641	4.4183	5.0363	0.0128	0.3193	0.0997	0.4189	0.0876	0.0917	0.1792		1,285.0258	1,285.0258	7.4300e-003		1,285.1818
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	0.0788	0.1240	1.0606	1.8100e-003	0.1673	1.0900e-003	0.1684	0.0444	1.0100e-003	0.0454		147.0651	147.0651	9.6700e-003		147.2681
Total	0.4429	4.5423	6.0969	0.0146	0.4866	0.1008	0.5874	0.1319	0.0927	0.2246		1,432.0909	1,432.0909	0.0171		1,432.4499

3.4 Building Construction - 2016

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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

3.4 Building Construction - 2016

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	3.4391	22.0079	46.9068	0.0488	1.4522	0.4441	1.8962	0.4119	0.4083	0.8201		4,845.2877	4,845.2877	0.0341			4,846.0045
Worker	4.0026	6.2990	53.8759	0.0919	8.5006	0.0556	8.5562	2.2547	0.0511	2.3058		7,470.9061	7,470.9061	0.4912			7,481.2208
Total	7.4418	28.3069	100.7827	0.1406	9.9527	0.4997	10.4524	2.6666	0.4593	3.1259		12,316.1938	12,316.1938	0.5253			12,327.2253

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	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 Building Construction - 2016

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	3.4391	22.0079	46.9068	0.0488	1.4522	0.4441	1.8962	0.4119	0.4083	0.8201		4,845.2877	4,845.2877	0.0341			4,846.0045
Worker	4.0026	6.2990	53.8759	0.0919	8.5006	0.0556	8.5562	2.2547	0.0511	2.3058		7,470.9061	7,470.9061	0.4912			7,481.2208
Total	7.4418	28.3069	100.7827	0.1406	9.9527	0.4997	10.4524	2.6666	0.4593	3.1259		12,316.1938	12,316.1938	0.5253			12,327.2253

3.4 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
Total	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

3.4 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	3.0368	19.7175	43.8754	0.0487	1.4522	0.3884	1.8407	0.4119	0.3571	0.7690		4,762.8325	4,762.8325	0.0322			4,763.5086
Worker	3.5902	5.7292	48.5599	0.0918	8.5006	0.0540	8.5546	2.2547	0.0498	2.3045		7,164.7731	7,164.7731	0.4547			7,174.3217
Total	6.6270	25.4467	92.4353	0.1404	9.9528	0.4424	10.3952	2.6666	0.4069	3.0735		11,927.6056	11,927.6056	0.4869			11,937.8302

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	22.4448	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
Total	3.1024	22.4448	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

3.4 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	3.0368	19.7175	43.8754	0.0487	1.4522	0.3884	1.8407	0.4119	0.3571	0.7690		4,762.8325	4,762.8325	0.0322			4,763.5086
Worker	3.5902	5.7292	48.5599	0.0918	8.5006	0.0540	8.5546	2.2547	0.0498	2.3045		7,164.7731	7,164.7731	0.4547			7,174.3217
Total	6.6270	25.4467	92.4353	0.1404	9.9528	0.4424	10.3952	2.6666	0.4069	3.0735		11,927.6056	11,927.6056	0.4869			11,937.8302

3.4 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
Total	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

3.4 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	2.7022	17.9086	41.3753	0.0485	1.4515	0.3639	1.8154	0.4116	0.3347	0.7463		4,677.2574	4,677.2574	0.0316			4,677.9216
Worker	3.2322	5.2464	44.0497	0.0917	8.5006	0.0531	8.5537	2.2547	0.0491	2.3039		6,887.7278	6,887.7278	0.4242			6,896.6363
Total	5.9344	23.1550	85.4250	0.1402	9.9521	0.4171	10.3691	2.6663	0.3838	3.0501		11,564.9852	11,564.9852	0.4558			11,574.5579

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	19.7717	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
Total	2.6687	19.7717	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

3.4 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	2.7022	17.9086	41.3753	0.0485	1.4515	0.3639	1.8154	0.4116	0.3347	0.7463		4,677.2574	4,677.2574	0.0316		4,677.9216
Worker	3.2322	5.2464	44.0497	0.0917	8.5006	0.0531	8.5537	2.2547	0.0491	2.3039		6,887.7278	6,887.7278	0.4242		6,896.6363
Total	5.9344	23.1550	85.4250	0.1402	9.9521	0.4171	10.3691	2.6663	0.3838	3.0501		11,564.9852	11,564.9852	0.4558		11,574.5579

3.4 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
Total	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

3.4 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	2.4710	16.3650	39.4939	0.0484	1.4508	0.3379	1.7887	0.4113	0.3107	0.7221		4,593.5836	4,593.5836	0.0311			4,594.2359
Worker	2.9643	4.8424	40.6533	0.0916	8.5006	0.0532	8.5538	2.2547	0.0493	2.3040		6,628.6828	6,628.6828	0.4010			6,637.1029
Total	5.4353	21.2075	80.1471	0.1400	9.9514	0.3910	10.3425	2.6660	0.3600	3.0261		11,222.2664	11,222.2664	0.4320			11,231.3388

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	17.8203	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
Total	2.3516	17.8203	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

3.4 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	2.4710	16.3650	39.4939	0.0484	1.4508	0.3379	1.7887	0.4113	0.3107	0.7221		4,593.5836	4,593.5836	0.0311			4,594.2359
Worker	2.9643	4.8424	40.6533	0.0916	8.5006	0.0532	8.5538	2.2547	0.0493	2.3040		6,628.6828	6,628.6828	0.4010			6,637.1029
Total	5.4353	21.2075	80.1471	0.1400	9.9514	0.3910	10.3425	2.6660	0.3600	3.0261		11,222.2664	11,222.2664	0.4320			11,231.3388

3.5 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	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989			2,223.6499
Paving	0.0760					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.5018	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989			2,223.6499

3.5 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	0.0438	0.0715	0.6002	1.3500e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		97.8644	97.8644	5.9200e-003			97.9887
Total	0.0438	0.0715	0.6002	1.3500e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		97.8644	97.8644	5.9200e-003			97.9887

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	1.4259	12.6950	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989			2,223.6499
Paving	0.0760					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.5018	12.6950	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989			2,223.6499

3.5 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	0.0438	0.0715	0.6002	1.3500e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		97.8644	97.8644	5.9200e-003			97.9887
Total	0.0438	0.0715	0.6002	1.3500e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		97.8644	97.8644	5.9200e-003			97.9887

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	70.3345					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
Total	70.6009	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473

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	0.5923	0.9675	8.1227	0.0183	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,324.4317	1,324.4317	0.0801			1,326.1141
Total	0.5923	0.9675	8.1227	0.0183	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,324.4317	1,324.4317	0.0801			1,326.1141

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	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.5601	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473
Total	70.6009	1.5601	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473

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	0.5923	0.9675	8.1227	0.0183	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,324.4317	1,324.4317	0.0801			1,326.1141
Total	0.5923	0.9675	8.1227	0.0183	1.6984	0.0106	1.7091	0.4505	9.8500e-003	0.4604		1,324.4317	1,324.4317	0.0801			1,326.1141

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9057
Total	70.5767	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9057

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.5528	0.9057	7.5819	0.0183	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,270.572 2	1,270.572 2	0.0763			1,272.175 4
Total	0.5528	0.9057	7.5819	0.0183	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,270.572 2	1,270.572 2	0.0763			1,272.175 4

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	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.4313	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057
Total	70.5767	1.4313	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.5528	0.9057	7.5819	0.0183	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,270.572 2	1,270.572 2	0.0763			1,272.175 4
Total	0.5528	0.9057	7.5819	0.0183	1.6984	0.0107	1.7091	0.4505	9.8700e-003	0.4604		1,270.572 2	1,270.572 2	0.0763			1,272.175 4

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	70.5534	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.5245	0.8585	7.2070	0.0183	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,251.8169	1,251.8169	0.0742			1,253.3748
Total	0.5245	0.8585	7.2070	0.0183	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,251.8169	1,251.8169	0.0742			1,253.3748

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	70.3345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.2189	1.2978	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193			281.8537
Total	70.5534	1.2978	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193			281.8537

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.5245	0.8585	7.2070	0.0183	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,251.8169	1,251.8169	0.0742		1,253.3748
Total	0.5245	0.8585	7.2070	0.0183	1.6984	0.0108	1.7092	0.4505	0.0100	0.4605		1,251.8169	1,251.8169	0.0742		1,253.3748

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	73.5310	155.2088	847.9749	1.3673	92.1430	2.8180	94.9609	24.5958	2.5971	27.1929		104,202.1309	104,202.1309	4.1620		104,289.5331
Unmitigated	73.5310	155.2088	847.9749	1.3673	92.1430	2.8180	94.9609	24.5958	2.5971	27.1929		104,202.1309	104,202.1309	4.1620		104,289.5331

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	2,665.00	2,756.00	3945.50	6,399,671	6,399,671
City Park	1.14	1.14	1.14	2,183	2,183
General Office Building	1,281.18	239.61	95.84	2,055,285	2,055,285
Hotel	5,177.00	5,077.80	3689.00	7,351,338	7,351,338
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	13,668.30	18,208.74	7407.94	17,777,143	17,777,143
Total	22,792.62	26,283.29	15,139.43	33,585,620	33,585,620

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
City Park	12.50	4.20	5.40	33.00	48.00	19.00	66	28	6
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hotel	12.50	4.20	5.40	19.40	61.60	19.00	58	38	4
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469364	0.065576	0.169825	0.159036	0.038089	0.006139	0.011322	0.071493	0.001371	0.001211	0.003602	0.000518	0.002454

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702
NaturalGas Unmitigated	1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	21358.7	0.2303	1.9684	0.8376	0.0126		0.1591	0.1591		0.1591	0.1591		2,512.7921	2,512.7921	0.0482	0.0461	2,528.0845
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	978	0.0106	0.0959	0.0805	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0588	115.0588	2.2100e-003	2.1100e-003	115.7591
Hotel	155137	1.6731	15.2095	12.7760	0.0913		1.1559	1.1559		1.1559	1.1559		18,251.4411	18,251.4411	0.3498	0.3346	18,362.5163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1865.53	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4746	219.4746	4.2100e-003	4.0200e-003	220.8103
Total		1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.978	0.0106	0.0959	0.0805	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0588	115.0588	2.2100e-003	2.1100e-003	115.7591
Hotel	155.137	1.6731	15.2095	12.7760	0.0913		1.1559	1.1559		1.1559	1.1559		18,251.4411	18,251.4411	0.3498	0.3346	18,362.5163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.86553	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4746	219.4746	4.2100e-003	4.0200e-003	220.8103
Apartments High Rise	21.3587	0.2303	1.9684	0.8376	0.0126		0.1591	0.1591		0.1591	0.1591		2,512.7921	2,512.7921	0.0482	0.0461	2,528.0845
Total		1.9341	17.4567	13.8478	0.1055		1.3363	1.3363		1.3363	1.3363		21,098.7666	21,098.7666	0.4044	0.3868	21,227.1702

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	42.9179	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970	0.0000	96.7809	96.7809	0.0937	0.0000	98.7495
Unmitigated	58.6436	1.4125	102.4281	0.1613		9.0924	9.0924		9.0832	9.0832	1,169.5320	13,861.4868	15,031.0188	5.8249	0.2524	15,231.5709

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.5601					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.8421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.6102	0.7924	48.6409	0.1585		8.7954	8.7954		8.7863	8.7863	1,169.5320	13,764.7059	14,934.2379	5.7312	0.2524	15,132.8214
Landscaping	1.6311	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970		96.7809	96.7809	0.0937		98.7495
Total	58.6436	1.4125	102.4281	0.1613		9.0924	9.0924		9.0832	9.0832	1,169.5320	13,861.4868	15,031.0188	5.8249	0.2524	15,231.5709

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7226					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	40.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6311	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970		96.7809	96.7809	0.0937		98.7495
Total	42.9179	0.6201	53.7872	2.8400e-003		0.2970	0.2970		0.2970	0.2970	0.0000	96.7809	96.7809	0.0937	0.0000	98.7495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Appendix B

Traffic Impact Analysis Update