

Appendix E-2

California Emissions Estimator Model Updated Results

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Avid Hotel Project
Monterey Bay Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	42.00	Space	0.38	16,800.00	0
Hotel	42.00	Room	1.40	60,984.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Per information provided by client
- Off-road Equipment - Applicant provided - used in Noise assessment. Activity 1 in Appendix D.
- Trips and VMT -
- Demolition -
- Grading - 1,349 cubic yard exported per project description
- Architectural Coating - MBARD rule 426
- Area Coating - MBARD Rule 426
- Energy Use -
- Water And Wastewater - Adjusted by 20% for Cal Green

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Construction Off-road Equipment Mitigation -

Energy Mitigation - Reduced by 30% for 2019 title 24

Water Mitigation -

Off-road Equipment -

Off-road Equipment - from noise assessment

Off-road Equipment - from noise assessment

Off-road Equipment - from noise assessment

Off-road Equipment - noise assessment

Off-road Equipment - noise assessment

Off-road Equipment - noise assessment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	165.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	200.00	90.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	200.00	90.00
tblGrading	AcresOfGrading	0.00	1.88
tblOffRoadEquipment	HorsePower	158.00	81.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	LoadFactor	0.38	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38

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tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	169.00
tblTripsAndVMT	VendorTripNumber	13.00	0.00

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tbITripsAndVMT	VendorTripNumber	13.00	0.00
tbITripsAndVMT	VendorTripNumber	13.00	0.00

2.0 Emissions Summary

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0317	0.2809	0.4169	7.1000e-004	0.0177	0.0131	0.0308	4.0800e-003	0.0121	0.0161	0.0000	63.5369	63.5369	0.0164	1.0200e-003	64.2517
2024	0.0431	0.3375	0.3652	9.4000e-004	0.0380	0.0140	0.0520	0.0102	0.0128	0.0230	0.0000	85.1550	85.1550	0.0159	2.4600e-003	86.2855
2025	0.0158	0.1038	0.1848	4.6000e-004	0.0260	3.4400e-003	0.0295	7.0100e-003	3.1700e-003	0.0102	0.0000	42.2850	42.2850	4.9100e-003	2.1600e-003	43.0501
Maximum	0.0431	0.3375	0.4169	9.4000e-004	0.0380	0.0140	0.0520	0.0102	0.0128	0.0230	0.0000	85.1550	85.1550	0.0164	2.4600e-003	86.2855

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0317	0.2809	0.4169	7.1000e-004	0.0177	0.0131	0.0308	4.0800e-003	0.0121	0.0161	0.0000	63.5368	63.5368	0.0164	1.0200e-003	64.2516
2024	0.0431	0.3375	0.3652	9.4000e-004	0.0380	0.0140	0.0520	0.0102	0.0128	0.0230	0.0000	85.1550	85.1550	0.0159	2.4600e-003	86.2855
2025	0.0158	0.1038	0.1848	4.6000e-004	0.0260	3.4400e-003	0.0295	7.0100e-003	3.1700e-003	0.0102	0.0000	42.2850	42.2850	4.9100e-003	2.1600e-003	43.0501
Maximum	0.0431	0.3375	0.4169	9.4000e-004	0.0380	0.0140	0.0520	0.0102	0.0128	0.0230	0.0000	85.1550	85.1550	0.0164	2.4600e-003	86.2855

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	7-1-2023	9-30-2023	0.1521	0.1521
4	10-1-2023	12-31-2023	0.1618	0.1618
5	1-1-2024	3-31-2024	0.1478	0.1478
6	4-1-2024	6-30-2024	0.1236	0.1236
7	7-1-2024	9-30-2024	0.0786	0.0786
8	10-1-2024	12-31-2024	0.0303	0.0303
9	1-1-2025	3-31-2025	0.0274	0.0274
10	4-1-2025	6-30-2025	0.0535	0.0535
11	7-1-2025	9-30-2025	0.0378	0.0378
		Highest	0.1618	0.1618

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2821	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003
Energy	0.0144	0.1313	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003	0.0000	185.1963	185.1963	9.5800e-003	3.4500e-003	186.4637
Mobile	0.1538	0.1843	1.2813	2.3800e-003	0.2372	2.1900e-003	0.2394	0.0634	2.0500e-003	0.0655	0.0000	225.1100	225.1100	0.0177	0.0122	229.1847
Waste						0.0000	0.0000		0.0000	0.0000	4.6688	0.0000	4.6688	0.2759	0.0000	11.5667
Water						0.0000	0.0000		0.0000	0.0000	0.3380	0.5717	0.9097	0.0348	8.3000e-004	2.0276
Total	0.4503	0.3156	1.3926	3.1700e-003	0.2372	0.0122	0.2494	0.0634	0.0120	0.0754	5.0068	410.8801	415.8869	0.3381	0.0165	429.2449

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2821	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003
Energy	0.0106	0.0962	0.0808	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	143.8666	143.8666	8.3500e-003	2.6900e-003	144.8762
Mobile	0.1538	0.1843	1.2813	2.3800e-003	0.2372	2.1900e-003	0.2394	0.0634	2.0500e-003	0.0655	0.0000	225.1100	225.1100	0.0177	0.0122	229.1847
Waste						0.0000	0.0000		0.0000	0.0000	4.6688	0.0000	4.6688	0.2759	0.0000	11.5667
Water						0.0000	0.0000		0.0000	0.0000	0.2704	0.4627	0.7331	0.0279	6.6000e-004	1.6274
Total	0.4464	0.2805	1.3631	2.9600e-003	0.2372	9.5000e-003	0.2467	0.0634	9.3600e-003	0.0728	4.9392	369.4414	374.3806	0.3299	0.0155	387.2573

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.86	11.13	2.12	6.62	0.00	21.94	1.07	0.00	22.19	3.54	1.35	10.09	9.98	2.42	5.65	9.78

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2023	8/21/2023	5	15	
2	Grading/Excavations	Grading	8/22/2023	10/2/2023	5	30	
3	Foundations (site & building)	Building Construction	10/3/2023	2/5/2024	5	90	

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4	Structure Frame	Building Construction	2/6/2024	5/20/2024	5	75
5	Building Exteriors	Building Construction	5/21/2024	9/2/2024	5	75
6	Building Interiors	Building Construction	9/3/2024	4/21/2025	5	165
7	Site hard/soft scape	Building Construction	4/22/2025	8/25/2025	5	90

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.88

Acres of Paving: 0.38

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Exteriors	Pumps	1		84	0.74
Building Exteriors	Off-Highway Trucks	1		402	0.38
Building Interiors	Pumps	1		84	0.74
Building Interiors	Off-Highway Trucks	1		402	0.38
Site hard/soft scape	Off-Highway Trucks	3		402	0.38
Site hard/soft scape	Pavers	1		132	0.36
Site hard/soft scape	Rollers	1		80	0.38
Site hard/soft scape	Pumps	1		84	0.74
Demolition	Excavators	2	8.00	81	0.73
Demolition	Off-Highway Trucks	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading/Excavations	Graders	0	8.00	187	0.41
Grading/Excavations	Rubber Tired Dozers	0	7.00	247	0.40
Grading/Excavations	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Foundations (site & building)	Graders	0	8.00	187	0.41
Foundations (site & building)	Rubber Tired Dozers	0	8.00	247	0.40

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Foundations (site & building)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure Frame	Cranes	1	6.00	231	0.29
Structure Frame	Forklifts	1	6.00	89	0.20
Structure Frame	Generator Sets	0	8.00	84	0.74
Structure Frame	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Structure Frame	Welders	0	8.00	46	0.45
Building Exteriors	Cement and Mortar Mixers	0	6.00	9	0.56
Building Exteriors	Pavers	0	6.00	130	0.42
Building Exteriors	Paving Equipment	0	8.00	132	0.36
Building Exteriors	Rollers	0	7.00	80	0.38
Building Exteriors	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Interiors	Air Compressors	0	6.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Foundations (site & building)	Cranes	0	6.00	231	0.29
Building Exteriors	Cranes	1	6.00	231	0.29
Building Interiors	Cranes	0	6.00	231	0.29
Site hard/soft scape	Cranes	0	6.00	231	0.29
Foundations (site & building)	Forklifts	0	6.00	89	0.20
Building Exteriors	Forklifts	0	6.00	89	0.20
Building Interiors	Forklifts	1	6.00	89	0.20
Site hard/soft scape	Forklifts	0	6.00	89	0.20
Foundations (site & building)	Generator Sets	0	8.00	84	0.74
Building Exteriors	Generator Sets	0	8.00	84	0.74
Building Interiors	Generator Sets	0	8.00	84	0.74
Site hard/soft scape	Generator Sets	0	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Interiors	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site hard/soft scape	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundations (site & building)	Welders	0	8.00	46	0.45

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Building Exteriors	Welders	0	8.00	46	0.45
Building Interiors	Welders	0	8.00	46	0.45
Site hard/soft scape	Welders	0	8.00	46	0.45
Grading/Excavations	Excavators	1		158	0.38
Grading/Excavations	Plate Compactors	1		8	0.43
Grading/Excavations	Off-Highway Trucks	2		402	0.38
Foundations (site & building)	Excavators	1		158	0.38
Foundations (site & building)	Off-Highway Trucks	3		402	0.38
Foundations (site & building)	Pumps	2		84	0.74
Foundations (site & building)	Plate Compactors	1		8	0.43
Structure Frame	Off-Highway Trucks	1		402	0.38
Building Exteriors	Aerial Lifts	1		63	0.31

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	38.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavations	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundations (site & building)	10	33.00	0.00	169.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Structure Frame	3	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Exteriors	4	33.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Interiors	3	33.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site hard/soft scape	7	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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					4.2000e-003	0.0000	4.2000e-003	6.4000e-004	0.0000	6.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4400e-003	0.0678	0.0874	1.6000e-004		3.1600e-003	3.1600e-003		2.9100e-003	2.9100e-003	0.0000	14.2472	14.2472	4.6100e-003	0.0000	14.3624
Total	7.4400e-003	0.0678	0.0874	1.6000e-004	4.2000e-003	3.1600e-003	7.3600e-003	6.4000e-004	2.9100e-003	3.5500e-003	0.0000	14.2472	14.2472	4.6100e-003	0.0000	14.3624

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	5.0000e-005	2.7600e-003	5.7000e-004	1.0000e-005	3.2000e-004	2.0000e-005	3.5000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.1107	1.1107	1.0000e-005	1.8000e-004	1.1632
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.1000e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5018	0.5018	2.0000e-005	2.0000e-005	0.5069
Total	2.9000e-004	2.9500e-003	2.6700e-003	2.0000e-005	9.2000e-004	2.0000e-005	9.5000e-004	2.5000e-004	2.0000e-005	2.7000e-004	0.0000	1.6125	1.6125	3.0000e-005	2.0000e-004	1.6701

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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					4.2000e-003	0.0000	4.2000e-003	6.4000e-004	0.0000	6.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4400e-003	0.0678	0.0874	1.6000e-004		3.1600e-003	3.1600e-003		2.9100e-003	2.9100e-003	0.0000	14.2472	14.2472	4.6100e-003	0.0000	14.3624
Total	7.4400e-003	0.0678	0.0874	1.6000e-004	4.2000e-003	3.1600e-003	7.3600e-003	6.4000e-004	2.9100e-003	3.5500e-003	0.0000	14.2472	14.2472	4.6100e-003	0.0000	14.3624

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	5.0000e-005	2.7600e-003	5.7000e-004	1.0000e-005	3.2000e-004	2.0000e-005	3.5000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.1107	1.1107	1.0000e-005	1.8000e-004	1.1632
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.1000e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5018	0.5018	2.0000e-005	2.0000e-005	0.5069
Total	2.9000e-004	2.9500e-003	2.6700e-003	2.0000e-005	9.2000e-004	2.0000e-005	9.5000e-004	2.5000e-004	2.0000e-005	2.7000e-004	0.0000	1.6125	1.6125	3.0000e-005	2.0000e-004	1.6701

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavations - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-003	0.0000	1.0000e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8100e-003	0.0691	0.1004	1.4000e-004		3.4100e-003	3.4100e-003		3.1400e-003	3.1400e-003	0.0000	12.3114	12.3114	3.9800e-003	0.0000	12.4109
Total	6.8100e-003	0.0691	0.1004	1.4000e-004	1.0000e-003	3.4100e-003	4.4100e-003	1.1000e-004	3.1400e-003	3.2500e-003	0.0000	12.3114	12.3114	3.9800e-003	0.0000	12.4109

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	8.8000e-004	6.8000e-004	7.5800e-003	2.0000e-005	2.1500e-003	1.0000e-005	2.1600e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8065	1.8065	6.0000e-005	6.0000e-005	1.8250
Total	8.8000e-004	6.8000e-004	7.5800e-003	2.0000e-005	2.1500e-003	1.0000e-005	2.1600e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8065	1.8065	6.0000e-005	6.0000e-005	1.8250

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavations - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-003	0.0000	1.0000e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8100e-003	0.0691	0.1004	1.4000e-004		3.4100e-003	3.4100e-003		3.1400e-003	3.1400e-003	0.0000	12.3113	12.3113	3.9800e-003	0.0000	12.4109
Total	6.8100e-003	0.0691	0.1004	1.4000e-004	1.0000e-003	3.4100e-003	4.4100e-003	1.1000e-004	3.1400e-003	3.2500e-003	0.0000	12.3113	12.3113	3.9800e-003	0.0000	12.4109

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	8.8000e-004	6.8000e-004	7.5800e-003	2.0000e-005	2.1500e-003	1.0000e-005	2.1600e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8065	1.8065	6.0000e-005	6.0000e-005	1.8250
Total	8.8000e-004	6.8000e-004	7.5800e-003	2.0000e-005	2.1500e-003	1.0000e-005	2.1600e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8065	1.8065	6.0000e-005	6.0000e-005	1.8250

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1290	0.1874	2.6000e-004		6.3700e-003	6.3700e-003		5.8600e-003	5.8600e-003	0.0000	22.9812	22.9812	7.4300e-003	0.0000	23.1670
Total	0.0127	0.1290	0.1874	2.6000e-004		6.3700e-003	6.3700e-003		5.8600e-003	5.8600e-003	0.0000	22.9812	22.9812	7.4300e-003	0.0000	23.1670

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	8.7400e-003	1.8100e-003	4.0000e-005	1.0200e-003	8.0000e-005	1.1000e-003	2.8000e-004	7.0000e-005	3.5000e-004	0.0000	3.5127	3.5127	4.0000e-005	5.5000e-004	3.6786
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	3.4500e-003	2.6400e-003	0.0296	8.0000e-005	8.4000e-003	5.0000e-005	8.4600e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	7.0655	7.0655	2.5000e-004	2.2000e-004	7.1377
Total	3.6000e-003	0.0114	0.0314	1.2000e-004	9.4200e-003	1.3000e-004	9.5600e-003	2.5100e-003	1.2000e-004	2.6300e-003	0.0000	10.5781	10.5781	2.9000e-004	7.7000e-004	10.8163

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1290	0.1874	2.6000e-004		6.3700e-003	6.3700e-003		5.8600e-003	5.8600e-003	0.0000	22.9812	22.9812	7.4300e-003	0.0000	23.1670
Total	0.0127	0.1290	0.1874	2.6000e-004		6.3700e-003	6.3700e-003		5.8600e-003	5.8600e-003	0.0000	22.9812	22.9812	7.4300e-003	0.0000	23.1670

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	8.7400e-003	1.8100e-003	4.0000e-005	1.0200e-003	8.0000e-005	1.1000e-003	2.8000e-004	7.0000e-005	3.5000e-004	0.0000	3.5127	3.5127	4.0000e-005	5.5000e-004	3.6786
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	3.4500e-003	2.6400e-003	0.0296	8.0000e-005	8.4000e-003	5.0000e-005	8.4600e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	7.0655	7.0655	2.5000e-004	2.2000e-004	7.1377
Total	3.6000e-003	0.0114	0.0314	1.2000e-004	9.4200e-003	1.3000e-004	9.5600e-003	2.5100e-003	1.2000e-004	2.6300e-003	0.0000	10.5781	10.5781	2.9000e-004	7.7000e-004	10.8163

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9100e-003	0.0494	0.0763	1.1000e-004		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	9.3420	9.3420	3.0200e-003	0.0000	9.4175
Total	4.9100e-003	0.0494	0.0763	1.1000e-004		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	9.3420	9.3420	3.0200e-003	0.0000	9.4175

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	6.0000e-005	3.5000e-003	7.4000e-004	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.4026	1.4026	2.0000e-005	2.2000e-004	1.4688
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	1.3100e-003	9.5000e-004	0.0111	3.0000e-005	3.4100e-003	2.0000e-005	3.4300e-003	9.1000e-004	2.0000e-005	9.3000e-004	0.0000	2.8027	2.8027	9.0000e-005	8.0000e-005	2.8297
Total	1.3700e-003	4.4500e-003	0.0119	4.0000e-005	3.8300e-003	5.0000e-005	3.8800e-003	1.0200e-003	5.0000e-005	1.0700e-003	0.0000	4.2053	4.2053	1.1000e-004	3.0000e-004	4.2986

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2024

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	4.9100e-003	0.0494	0.0763	1.1000e-004		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	9.3420	9.3420	3.0200e-003	0.0000	9.4175
Total	4.9100e-003	0.0494	0.0763	1.1000e-004		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	9.3420	9.3420	3.0200e-003	0.0000	9.4175

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	6.0000e-005	3.5000e-003	7.4000e-004	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.4026	1.4026	2.0000e-005	2.2000e-004	1.4688
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	1.3100e-003	9.5000e-004	0.0111	3.0000e-005	3.4100e-003	2.0000e-005	3.4300e-003	9.1000e-004	2.0000e-005	9.3000e-004	0.0000	2.8027	2.8027	9.0000e-005	8.0000e-005	2.8297
Total	1.3700e-003	4.4500e-003	0.0119	4.0000e-005	3.8300e-003	5.0000e-005	3.8800e-003	1.0200e-003	5.0000e-005	1.0700e-003	0.0000	4.2053	4.2053	1.1000e-004	3.0000e-004	4.2986

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Structure Frame - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.1234	0.0820	2.1000e-004		5.5400e-003	5.5400e-003		5.0900e-003	5.0900e-003	0.0000	18.0347	18.0347	5.8300e-003	0.0000	18.1805
Total	0.0120	0.1234	0.0820	2.1000e-004		5.5400e-003	5.5400e-003		5.0900e-003	5.0900e-003	0.0000	18.0347	18.0347	5.8300e-003	0.0000	18.1805

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6000e-004	0.0245	7.5400e-003	1.0000e-004	3.2200e-003	1.6000e-004	3.3700e-003	9.3000e-004	1.5000e-004	1.0800e-003	0.0000	9.5447	9.5447	8.0000e-005	1.4000e-003	9.9647
Worker	3.7700e-003	2.7500e-003	0.0321	9.0000e-005	9.8500e-003	6.0000e-005	9.9100e-003	2.6200e-003	6.0000e-005	2.6700e-003	0.0000	8.0847	8.0847	2.6000e-004	2.4000e-004	8.1627
Total	4.4300e-003	0.0273	0.0396	1.9000e-004	0.0131	2.2000e-004	0.0133	3.5500e-003	2.1000e-004	3.7500e-003	0.0000	17.6294	17.6294	3.4000e-004	1.6400e-003	18.1274

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Structure Frame - 2024

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	0.0120	0.1234	0.0820	2.1000e-004		5.5400e-003	5.5400e-003		5.0900e-003	5.0900e-003	0.0000	18.0347	18.0347	5.8300e-003	0.0000	18.1805
Total	0.0120	0.1234	0.0820	2.1000e-004		5.5400e-003	5.5400e-003		5.0900e-003	5.0900e-003	0.0000	18.0347	18.0347	5.8300e-003	0.0000	18.1805

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6000e-004	0.0245	7.5400e-003	1.0000e-004	3.2200e-003	1.6000e-004	3.3700e-003	9.3000e-004	1.5000e-004	1.0800e-003	0.0000	9.5447	9.5447	8.0000e-005	1.4000e-003	9.9647
Worker	3.7700e-003	2.7500e-003	0.0321	9.0000e-005	9.8500e-003	6.0000e-005	9.9100e-003	2.6200e-003	6.0000e-005	2.6700e-003	0.0000	8.0847	8.0847	2.6000e-004	2.4000e-004	8.1627
Total	4.4300e-003	0.0273	0.0396	1.9000e-004	0.0131	2.2000e-004	0.0133	3.5500e-003	2.1000e-004	3.7500e-003	0.0000	17.6294	17.6294	3.4000e-004	1.6400e-003	18.1274

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Exteriors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.3300e-003	0.0986	0.0499	1.6000e-004		4.1000e-003	4.1000e-003		3.7700e-003	3.7700e-003	0.0000	14.2577	14.2577	4.6100e-003	0.0000	14.3730
Total	9.3300e-003	0.0986	0.0499	1.6000e-004		4.1000e-003	4.1000e-003		3.7700e-003	3.7700e-003	0.0000	14.2577	14.2577	4.6100e-003	0.0000	14.3730

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	3.7700e-003	2.7500e-003	0.0321	9.0000e-005	9.8500e-003	6.0000e-005	9.9100e-003	2.6200e-003	6.0000e-005	2.6700e-003	0.0000	8.0847	8.0847	2.6000e-004	2.4000e-004	8.1627
Total	3.7700e-003	2.7500e-003	0.0321	9.0000e-005	9.8500e-003	6.0000e-005	9.9100e-003	2.6200e-003	6.0000e-005	2.6700e-003	0.0000	8.0847	8.0847	2.6000e-004	2.4000e-004	8.1627

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Exteriors - 2024

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	9.3300e-003	0.0986	0.0499	1.6000e-004		4.1000e-003	4.1000e-003		3.7700e-003	3.7700e-003	0.0000	14.2577	14.2577	4.6100e-003	0.0000	14.3730
Total	9.3300e-003	0.0986	0.0499	1.6000e-004		4.1000e-003	4.1000e-003		3.7700e-003	3.7700e-003	0.0000	14.2577	14.2577	4.6100e-003	0.0000	14.3730

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	3.7700e-003	2.7500e-003	0.0321	9.0000e-005	9.8500e-003	6.0000e-005	9.9100e-003	2.6200e-003	6.0000e-005	2.6700e-003	0.0000	8.0847	8.0847	2.6000e-004	2.4000e-004	8.1627
Total	3.7700e-003	2.7500e-003	0.0321	9.0000e-005	9.8500e-003	6.0000e-005	9.9100e-003	2.6200e-003	6.0000e-005	2.6700e-003	0.0000	8.0847	8.0847	2.6000e-004	2.4000e-004	8.1627

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3.7 Building Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0400e-003	0.0285	0.0367	5.0000e-005		1.6500e-003	1.6500e-003		1.5100e-003	1.5100e-003	0.0000	4.3309	4.3309	1.4000e-003	0.0000	4.3659
Total	3.0400e-003	0.0285	0.0367	5.0000e-005		1.6500e-003	1.6500e-003		1.5100e-003	1.5100e-003	0.0000	4.3309	4.3309	1.4000e-003	0.0000	4.3659

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3200e-003	3.1500e-003	0.0368	1.0000e-004	0.0113	7.0000e-005	0.0114	3.0000e-003	6.0000e-005	3.0700e-003	0.0000	9.2704	9.2704	3.0000e-004	2.7000e-004	9.3599
Total	4.3200e-003	3.1500e-003	0.0368	1.0000e-004	0.0113	7.0000e-005	0.0114	3.0000e-003	6.0000e-005	3.0700e-003	0.0000	9.2704	9.2704	3.0000e-004	2.7000e-004	9.3599

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3.7 Building Interiors - 2024

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	3.0400e-003	0.0285	0.0367	5.0000e-005		1.6500e-003	1.6500e-003		1.5100e-003	1.5100e-003	0.0000	4.3309	4.3309	1.4000e-003	0.0000	4.3659
Total	3.0400e-003	0.0285	0.0367	5.0000e-005		1.6500e-003	1.6500e-003		1.5100e-003	1.5100e-003	0.0000	4.3309	4.3309	1.4000e-003	0.0000	4.3659

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3200e-003	3.1500e-003	0.0368	1.0000e-004	0.0113	7.0000e-005	0.0114	3.0000e-003	6.0000e-005	3.0700e-003	0.0000	9.2704	9.2704	3.0000e-004	2.7000e-004	9.3599
Total	4.3200e-003	3.1500e-003	0.0368	1.0000e-004	0.0113	7.0000e-005	0.0114	3.0000e-003	6.0000e-005	3.0700e-003	0.0000	9.2704	9.2704	3.0000e-004	2.7000e-004	9.3599

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3.7 Building Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5700e-003	0.0243	0.0336	5.0000e-005		1.3000e-003	1.3000e-003		1.1900e-003	1.1900e-003	0.0000	3.9784	3.9784	1.2900e-003	0.0000	4.0106
Total	2.5700e-003	0.0243	0.0336	5.0000e-005		1.3000e-003	1.3000e-003		1.1900e-003	1.1900e-003	0.0000	3.9784	3.9784	1.2900e-003	0.0000	4.0106

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	3.7200e-003	2.5800e-003	0.0314	9.0000e-005	0.0104	6.0000e-005	0.0104	2.7600e-003	6.0000e-005	2.8100e-003	0.0000	8.3228	8.3228	2.5000e-004	2.3000e-004	8.3991
Total	3.7200e-003	2.5800e-003	0.0314	9.0000e-005	0.0104	6.0000e-005	0.0104	2.7600e-003	6.0000e-005	2.8100e-003	0.0000	8.3228	8.3228	2.5000e-004	2.3000e-004	8.3991

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3.7 Building Interiors - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5700e-003	0.0243	0.0336	5.0000e-005		1.3000e-003	1.3000e-003		1.1900e-003	1.1900e-003	0.0000	3.9784	3.9784	1.2900e-003	0.0000	4.0105
Total	2.5700e-003	0.0243	0.0336	5.0000e-005		1.3000e-003	1.3000e-003		1.1900e-003	1.1900e-003	0.0000	3.9784	3.9784	1.2900e-003	0.0000	4.0105

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	3.7200e-003	2.5800e-003	0.0314	9.0000e-005	0.0104	6.0000e-005	0.0104	2.7600e-003	6.0000e-005	2.8100e-003	0.0000	8.3228	8.3228	2.5000e-004	2.3000e-004	8.3991
Total	3.7200e-003	2.5800e-003	0.0314	9.0000e-005	0.0104	6.0000e-005	0.0104	2.7600e-003	6.0000e-005	2.8100e-003	0.0000	8.3228	8.3228	2.5000e-004	2.3000e-004	8.3991

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Site hard/soft scape - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4600e-003	0.0451	0.0753	1.1000e-004		1.8300e-003	1.8300e-003		1.6800e-003	1.6800e-003	0.0000	9.2482	9.2482	2.9900e-003	0.0000	9.3230
Total	4.4600e-003	0.0451	0.0753	1.1000e-004		1.8300e-003	1.8300e-003		1.6800e-003	1.6800e-003	0.0000	9.2482	9.2482	2.9900e-003	0.0000	9.3230

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	7.6000e-004	0.0290	8.7700e-003	1.2000e-004	3.8600e-003	1.8000e-004	4.0400e-003	1.1200e-003	1.8000e-004	1.2900e-003	0.0000	11.2539	11.2539	1.0000e-004	1.6500e-003	11.7490
Worker	4.2400e-003	2.9400e-003	0.0358	1.0000e-004	0.0118	7.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2100e-003	0.0000	9.4817	9.4817	2.9000e-004	2.7000e-004	9.5685
Total	5.0000e-003	0.0319	0.0445	2.2000e-004	0.0157	2.5000e-004	0.0159	4.2600e-003	2.4000e-004	4.5000e-003	0.0000	20.7356	20.7356	3.9000e-004	1.9200e-003	21.3176

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3.8 Site hard/soft scape - 2025

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	4.4600e-003	0.0451	0.0753	1.1000e-004		1.8300e-003	1.8300e-003		1.6800e-003	1.6800e-003	0.0000	9.2482	9.2482	2.9900e-003	0.0000	9.3230
Total	4.4600e-003	0.0451	0.0753	1.1000e-004		1.8300e-003	1.8300e-003		1.6800e-003	1.6800e-003	0.0000	9.2482	9.2482	2.9900e-003	0.0000	9.3230

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	7.6000e-004	0.0290	8.7700e-003	1.2000e-004	3.8600e-003	1.8000e-004	4.0400e-003	1.1200e-003	1.8000e-004	1.2900e-003	0.0000	11.2539	11.2539	1.0000e-004	1.6500e-003	11.7490
Worker	4.2400e-003	2.9400e-003	0.0358	1.0000e-004	0.0118	7.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2100e-003	0.0000	9.4817	9.4817	2.9000e-004	2.7000e-004	9.5685
Total	5.0000e-003	0.0319	0.0445	2.2000e-004	0.0157	2.5000e-004	0.0159	4.2600e-003	2.4000e-004	4.5000e-003	0.0000	20.7356	20.7356	3.9000e-004	1.9200e-003	21.3176

4.0 Operational Detail - Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1538	0.1843	1.2813	2.3800e-003	0.2372	2.1900e-003	0.2394	0.0634	2.0500e-003	0.0655	0.0000	225.1100	225.1100	0.0177	0.0122	229.1847
Unmitigated	0.1538	0.1843	1.2813	2.3800e-003	0.2372	2.1900e-003	0.2394	0.0634	2.0500e-003	0.0655	0.0000	225.1100	225.1100	0.0177	0.0122	229.1847

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	351.12	343.98	249.90	637,693	637,693
Parking Lot	0.00	0.00	0.00		
Total	351.12	343.98	249.90	637,693	637,693

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.517882	0.052795	0.193633	0.146997	0.027981	0.006802	0.010707	0.009580	0.001188	0.000578	0.027032	0.001276	0.003550

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Parking Lot	0.517882	0.052795	0.193633	0.146997	0.027981	0.006802	0.010707	0.009580	0.001188	0.000578	0.027032	0.001276	0.003550
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	39.2006	39.2006	6.3400e-003	7.7000e-004	39.5882
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	42.2983	42.2983	6.8400e-003	8.3000e-004	42.7166
NaturalGas Mitigated	0.0106	0.0962	0.0808	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	104.6660	104.6660	2.0100e-003	1.9200e-003	105.2880
NaturalGas Unmitigated	0.0144	0.1313	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003	0.0000	142.8980	142.8980	2.7400e-003	2.6200e-003	143.7472

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Hotel	2.67781e+006	0.0144	0.1313	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003	0.0000	142.8980	142.8980	2.7400e-003	2.6200e-003	143.7472
Parking Lot	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
Total		0.0144	0.1313	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003	0.0000	142.8980	142.8980	2.7400e-003	2.6200e-003	143.7472

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					
Hotel	1.96137e+006	0.0106	0.0962	0.0808	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	104.6660	104.6660	2.0100e-003	1.9200e-003	105.2880
Parking Lot	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
Total		0.0106	0.0962	0.0808	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	104.6660	104.6660	2.0100e-003	1.9200e-003	105.2880

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	451282	41.7543	6.7600e-003	8.2000e-004	42.1672
Parking Lot	5880	0.5440	9.0000e-005	1.0000e-005	0.5494
Total		42.2983	6.8500e-003	8.3000e-004	42.7166

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	417801	38.6566	6.2500e-003	7.6000e-004	39.0388
Parking Lot	5880	0.5440	9.0000e-005	1.0000e-005	0.5494
Total		39.2006	6.3400e-003	7.7000e-004	39.5882

6.0 Area Detail

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2821	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003
Unmitigated	0.2821	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003
Total	0.2821	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003
Total	0.2821	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0800e-003	2.0800e-003	1.0000e-005	0.0000	2.2200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.7331	0.0279	6.6000e-004	1.6274
Unmitigated	0.9097	0.0348	8.3000e-004	2.0276

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	1.0654 / 0.118378	0.9097	0.0348	8.3000e-004	2.0276
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.9097	0.0348	8.3000e-004	2.0276

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0.852323 / 0.111157	0.7331	0.0279	6.6000e-004	1.6274
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.7331	0.0279	6.6000e-004	1.6274

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.6688	0.2759	0.0000	11.5667
Unmitigated	4.6688	0.2759	0.0000	11.5667

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	23	4.6688	0.2759	0.0000	11.5667
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		4.6688	0.2759	0.0000	11.5667

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	23	4.6688	0.2759	0.0000	11.5667
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		4.6688	0.2759	0.0000	11.5667

9.0 Operational Offroad

Avid Hotel Project - Monterey Bay Unified APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Avid Hotel Project
Monterey Bay Unified APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	42.00	Space	0.38	16,800.00	0
Hotel	42.00	Room	1.40	60,984.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Per information provided by client
- Off-road Equipment - Applicant provided - used in Noise assessment. Activity 1 in Appendix D.
- Trips and VMT -
- Demolition -
- Grading - 1,349 cubic yard exported per project description
- Architectural Coating - MBARD rule 426
- Area Coating - MBARD Rule 426
- Energy Use -
- Water And Wastewater - Adjusted by 20% for Cal Green

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Off-road Equipment Mitigation -

Energy Mitigation - Reduced by 30% for 2019 title 24

Water Mitigation -

Off-road Equipment -

Off-road Equipment - from noise assessment

Off-road Equipment - from noise assessment

Off-road Equipment - from noise assessment

Off-road Equipment - noise assessment

Off-road Equipment - noise assessment

Off-road Equipment - noise assessment

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	200.00	90.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	200.00	90.00
tblGrading	AcresOfGrading	0.00	1.88
tblOffRoadEquipment	HorsePower	158.00	81.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	LoadFactor	0.38	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	LoadFactor	0.38	0.38
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tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	169.00
tblTripsAndVMT	VendorTripNumber	13.00	0.00

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tbITripsAndVMT	VendorTripNumber	13.00	0.00
tbITripsAndVMT	VendorTripNumber	13.00	0.00

2.0 Emissions Summary

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	1.0314	9.4146	12.0240	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,334.7736	2,334.7736	0.6815	0.0278	2,360.1058
2024	0.4845	4.1249	6.8211	0.0117	0.3592	0.1785	0.5126	0.0973	0.1643	0.2452	0.0000	1,161.1372	1,161.1372	0.2648	0.0476	1,175.2652
2025	0.2118	1.6795	2.6957	7.2900e-003	0.3592	0.0462	0.4054	0.0973	0.0427	0.1399	0.0000	746.4312	746.4312	0.0822	0.0464	762.3273
Maximum	1.0314	9.4146	12.0240	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,334.7736	2,334.7736	0.6815	0.0476	2,360.1058

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.0314	9.4146	12.0240	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,334.7736	2,334.7736	0.6815	0.0278	2,360.1058
2024	0.4845	4.1249	6.8211	0.0117	0.3592	0.1785	0.5126	0.0973	0.1643	0.2452	0.0000	1,161.1372	1,161.1372	0.2648	0.0476	1,175.2652
2025	0.2118	1.6795	2.6957	7.2900e-003	0.3592	0.0462	0.4054	0.0973	0.0427	0.1399	0.0000	746.4312	746.4312	0.0822	0.0464	762.3273
Maximum	1.0314	9.4146	12.0240	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,334.7736	2,334.7736	0.6815	0.0476	2,360.1058

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Energy	0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418
Mobile	0.9485	0.9756	7.1335	0.0142	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,483.8677	1,483.8677	0.1044	0.0731	1,508.2478
Total	2.5737	1.6950	7.7463	0.0186	1.4073	0.0673	1.4747	0.3753	0.0665	0.4418		2,346.9989	2,346.9989	0.1210	0.0889	2,376.5092

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	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Energy	0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461
Mobile	0.9485	0.9756	7.1335	0.0142	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,483.8677	1,483.8677	0.1044	0.0731	1,508.2478
Total	2.5525	1.5025	7.5846	0.0174	1.4073	0.0527	1.4600	0.3753	0.0519	0.4272		2,116.0754	2,116.0754	0.1166	0.0846	2,144.2135

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.82	11.35	2.09	6.25	0.00	21.72	0.99	0.00	21.99	3.31	0.00	9.84	9.84	3.65	4.76	9.77

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2023	8/21/2023	5	15	
2	Grading/Excavations	Grading	8/22/2023	10/2/2023	5	30	
3	Foundations (site & building)	Building Construction	10/3/2023	2/5/2024	5	90	
4	Structure Frame	Building Construction	2/6/2024	5/20/2024	5	75	
5	Building Exteriors	Building Construction	5/21/2024	9/2/2024	5	75	
6	Building Interiors	Building Construction	9/3/2024	4/21/2025	5	165	
7	Site hard/soft scape	Building Construction	4/22/2025	8/25/2025	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.88

Acres of Paving: 0.38

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Exteriors	Pumps	1		84	0.74
Building Exteriors	Off-Highway Trucks	1		402	0.38
Building Interiors	Pumps	1		84	0.74
Building Interiors	Off-Highway Trucks	1		402	0.38

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site hard/soft scape	Off-Highway Trucks	3		402	0.38
Site hard/soft scape	Pavers	1		132	0.36
Site hard/soft scape	Rollers	1		80	0.38
Site hard/soft scape	Pumps	1		84	0.74
Demolition	Excavators	2	8.00	81	0.73
Demolition	Off-Highway Trucks	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading/Excavations	Graders	0	8.00	187	0.41
Grading/Excavations	Rubber Tired Dozers	0	7.00	247	0.40
Grading/Excavations	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Foundations (site & building)	Graders	0	8.00	187	0.41
Foundations (site & building)	Rubber Tired Dozers	0	8.00	247	0.40
Foundations (site & building)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure Frame	Cranes	1	6.00	231	0.29
Structure Frame	Forklifts	1	6.00	89	0.20
Structure Frame	Generator Sets	0	8.00	84	0.74
Structure Frame	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Structure Frame	Welders	0	8.00	46	0.45
Building Exteriors	Cement and Mortar Mixers	0	6.00	9	0.56
Building Exteriors	Pavers	0	6.00	130	0.42
Building Exteriors	Paving Equipment	0	8.00	132	0.36
Building Exteriors	Rollers	0	7.00	80	0.38
Building Exteriors	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Interiors	Air Compressors	0	6.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Foundations (site & building)	Cranes	0	6.00	231	0.29
Building Exteriors	Cranes	1	6.00	231	0.29
Building Interiors	Cranes	0	6.00	231	0.29
Site hard/soft scape	Cranes	0	6.00	231	0.29

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Foundations (site & building)	Forklifts	0	6.00	89	0.20
Building Exteriors	Forklifts	0	6.00	89	0.20
Building Interiors	Forklifts	1	6.00	89	0.20
Site hard/soft scape	Forklifts	0	6.00	89	0.20
Foundations (site & building)	Generator Sets	0	8.00	84	0.74
Building Exteriors	Generator Sets	0	8.00	84	0.74
Building Interiors	Generator Sets	0	8.00	84	0.74
Site hard/soft scape	Generator Sets	0	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Interiors	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site hard/soft scape	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundations (site & building)	Welders	0	8.00	46	0.45
Building Exteriors	Welders	0	8.00	46	0.45
Building Interiors	Welders	0	8.00	46	0.45
Site hard/soft scape	Welders	0	8.00	46	0.45
Grading/Excavations	Excavators	1		158	0.38
Grading/Excavations	Plate Compactors	1		8	0.43
Grading/Excavations	Off-Highway Trucks	2		402	0.38
Foundations (site & building)	Excavators	1		158	0.38
Foundations (site & building)	Off-Highway Trucks	3		402	0.38
Foundations (site & building)	Pumps	2		84	0.74
Foundations (site & building)	Plate Compactors	1		8	0.43
Structure Frame	Off-Highway Trucks	1		402	0.38
Building Exteriors	Aerial Lifts	1		63	0.31

Trips and VMT

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	38.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavations	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundations (site & building)	10	33.00	0.00	169.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Structure Frame	3	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Exteriors	4	33.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Interiors	3	33.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site hard/soft scape	7	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5594	0.0000	0.5594	0.0847	0.0000	0.0847			0.0000			0.0000
Off-Road	0.9918	9.0378	11.6535	0.0216		0.4211	0.4211		0.3874	0.3874		2,093.9757	2,093.9757	0.6772		2,110.9065
Total	0.9918	9.0378	11.6535	0.0216	0.5594	0.4211	0.9805	0.0847	0.3874	0.4721		2,093.9757	2,093.9757	0.6772		2,110.9065

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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	6.4700e-003	0.3548	0.0758	1.5300e-003	0.0443	3.2300e-003	0.0476	0.0122	3.0900e-003	0.0152		163.1585	163.1585	1.8200e-003	0.0257	170.8675
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
Worker	0.0332	0.0220	0.2947	7.6000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		77.6394	77.6394	2.4500e-003	2.1200e-003	78.3318
Total	0.0396	0.3768	0.3705	2.2900e-003	0.1265	3.7500e-003	0.1302	0.0339	3.5700e-003	0.0375		240.7979	240.7979	4.2700e-003	0.0278	249.1992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5594	0.0000	0.5594	0.0847	0.0000	0.0847			0.0000			0.0000
Off-Road	0.9918	9.0378	11.6535	0.0216		0.4211	0.4211		0.3874	0.3874	0.0000	2,093.9757	2,093.9757	0.6772		2,110.9065
Total	0.9918	9.0378	11.6535	0.0216	0.5594	0.4211	0.9805	0.0847	0.3874	0.4721	0.0000	2,093.9757	2,093.9757	0.6772		2,110.9065

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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	6.4700e-003	0.3548	0.0758	1.5300e-003	0.0443	3.2300e-003	0.0476	0.0122	3.0900e-003	0.0152		163.1585	163.1585	1.8200e-003	0.0257	170.8675
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
Worker	0.0332	0.0220	0.2947	7.6000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		77.6394	77.6394	2.4500e-003	2.1200e-003	78.3318
Total	0.0396	0.3768	0.3705	2.2900e-003	0.1265	3.7500e-003	0.1302	0.0339	3.5700e-003	0.0375		240.7979	240.7979	4.2700e-003	0.0278	249.1992

3.3 Grading/Excavations - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0665	0.0000	0.0665	7.1800e-003	0.0000	7.1800e-003			0.0000			0.0000
Off-Road	0.4541	4.6070	6.6940	9.3500e-003		0.2274	0.2274		0.2092	0.2092		904.7295	904.7295	0.2926		912.0447
Total	0.4541	4.6070	6.6940	9.3500e-003	0.0665	0.2274	0.2939	7.1800e-003	0.2092	0.2164		904.7295	904.7295	0.2926		912.0447

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavations - 2023

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	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
Worker	0.0597	0.0396	0.5304	1.3700e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		139.7509	139.7509	4.4200e-003	3.8100e-003	140.9972
Total	0.0597	0.0396	0.5304	1.3700e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		139.7509	139.7509	4.4200e-003	3.8100e-003	140.9972

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0665	0.0000	0.0665	7.1800e-003	0.0000	7.1800e-003			0.0000			0.0000
Off-Road	0.4541	4.6070	6.6940	9.3500e-003		0.2274	0.2274		0.2092	0.2092	0.0000	904.7295	904.7295	0.2926		912.0447
Total	0.4541	4.6070	6.6940	9.3500e-003	0.0665	0.2274	0.2939	7.1800e-003	0.2092	0.2164	0.0000	904.7295	904.7295	0.2926		912.0447

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavations - 2023

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	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
Worker	0.0597	0.0396	0.5304	1.3700e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		139.7509	139.7509	4.4200e-003	3.8100e-003	140.9972
Total	0.0597	0.0396	0.5304	1.3700e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		139.7509	139.7509	4.4200e-003	3.8100e-003	140.9972

3.4 Foundations (site & building) - 2023

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	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831		791.6383	791.6383	0.2560		798.0391
Total	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831		791.6383	791.6383	0.2560		798.0391

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2023

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	4.8000e-003	0.2630	0.0562	1.1300e-003	0.0329	2.3900e-003	0.0353	9.0100e-003	2.2900e-003	0.0113		120.9377	120.9377	1.3500e-003	0.0191	126.6518
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
Worker	0.1094	0.0725	0.9725	2.5000e-003	0.2711	1.7100e-003	0.2728	0.0719	1.5800e-003	0.0735		256.2100	256.2100	8.1000e-003	6.9900e-003	258.4949
Total	0.1142	0.3355	1.0286	3.6300e-003	0.3039	4.1000e-003	0.3081	0.0809	3.8700e-003	0.0848		377.1477	377.1477	9.4500e-003	0.0261	385.1467

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	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831	0.0000	791.6383	791.6383	0.2560		798.0391
Total	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831	0.0000	791.6383	791.6383	0.2560		798.0391

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2023

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	4.8000e-003	0.2630	0.0562	1.1300e-003	0.0329	2.3900e-003	0.0353	9.0100e-003	2.2900e-003	0.0113		120.9377	120.9377	1.3500e-003	0.0191	126.6518
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
Worker	0.1094	0.0725	0.9725	2.5000e-003	0.2711	1.7100e-003	0.2728	0.0719	1.5800e-003	0.0735		256.2100	256.2100	8.1000e-003	6.9900e-003	258.4949
Total	0.1142	0.3355	1.0286	3.6300e-003	0.3039	4.1000e-003	0.3081	0.0809	3.8700e-003	0.0848		377.1477	377.1477	9.4500e-003	0.0261	385.1467

3.4 Foundations (site & building) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605		792.1377	792.1377	0.2562		798.5425
Total	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605		792.1377	792.1377	0.2562		798.5425

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7400e-003	0.2589	0.0564	1.1100e-003	0.0329	2.3700e-003	0.0352	9.0100e-003	2.2700e-003	0.0113		118.8646	118.8646	1.3500e-003	0.0187	124.4810
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
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1067	0.3232	0.9526	3.5300e-003	0.3040	3.9900e-003	0.3079	0.0809	3.7600e-003	0.0847		368.9995	368.9995	8.6300e-003	0.0252	376.7227

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	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605	0.0000	792.1377	792.1377	0.2562		798.5425
Total	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605	0.0000	792.1377	792.1377	0.2562		798.5425

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7400e-003	0.2589	0.0564	1.1100e-003	0.0329	2.3700e-003	0.0352	9.0100e-003	2.2700e-003	0.0113		118.8646	118.8646	1.3500e-003	0.0187	124.4810
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
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1067	0.3232	0.9526	3.5300e-003	0.3040	3.9900e-003	0.3079	0.0809	3.7600e-003	0.0847		368.9995	368.9995	8.6300e-003	0.0252	376.7227

3.5 Structure Frame - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358		530.1286	530.1286	0.1715		534.4150
Total	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358		530.1286	530.1286	0.1715		534.4150

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Structure Frame - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0180	0.6297	0.1982	2.6400e-003	0.0881	4.1700e-003	0.0922	0.0254	3.9900e-003	0.0293		280.3496	280.3496	2.4300e-003	0.0412	292.6756
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1199	0.6940	1.0945	5.0600e-003	0.3592	5.7900e-003	0.3649	0.0973	5.4800e-003	0.1027		530.4845	530.4845	9.7100e-003	0.0476	544.9172

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	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358	0.0000	530.1286	530.1286	0.1715		534.4150
Total	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358	0.0000	530.1286	530.1286	0.1715		534.4150

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Structure Frame - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0180	0.6297	0.1982	2.6400e-003	0.0881	4.1700e-003	0.0922	0.0254	3.9900e-003	0.0293		280.3496	280.3496	2.4300e-003	0.0412	292.6756
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1199	0.6940	1.0945	5.0600e-003	0.3592	5.7900e-003	0.3649	0.0973	5.4800e-003	0.1027		530.4845	530.4845	9.7100e-003	0.0476	544.9172

3.6 Building Exteriors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006		419.1055	419.1055	0.1356		422.4942
Total	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006		419.1055	419.1055	0.1356		422.4942

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Exteriors - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416

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	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006	0.0000	419.1055	419.1055	0.1356		422.4942
Total	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006	0.0000	419.1055	419.1055	0.1356		422.4942

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Exteriors - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416

3.7 Building Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352		111.0231	111.0231	0.0359		111.9208
Total	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352		111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416

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	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352	0.0000	111.0231	111.0231	0.0359		111.9208
Total	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352	0.0000	111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416
Total	0.1019	0.0643	0.8962	2.4200e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		250.1349	250.1349	7.2800e-003	6.4600e-003	252.2416

3.7 Building Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302		111.0231	111.0231	0.0359		111.9208
Total	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302		111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.0955	0.0574	0.8314	2.3500e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		244.4336	244.4336	6.5700e-003	6.0000e-003	246.3872
Total	0.0955	0.0574	0.8314	2.3500e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		244.4336	244.4336	6.5700e-003	6.0000e-003	246.3872

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	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302	0.0000	111.0231	111.0231	0.0359		111.9208
Total	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302	0.0000	111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.0955	0.0574	0.8314	2.3500e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		244.4336	244.4336	6.5700e-003	6.0000e-003	246.3872
Total	0.0955	0.0574	0.8314	2.3500e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		244.4336	244.4336	6.5700e-003	6.0000e-003	246.3872

3.8 Site hard/soft scape - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373		226.5419	226.5419	0.0733		228.3736
Total	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373		226.5419	226.5419	0.0733		228.3736

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Site hard/soft scape - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0173	0.6208	0.1921	2.6000e-003	0.0881	4.0800e-003	0.0922	0.0254	3.9100e-003	0.0293		275.4558	275.4558	2.3600e-003	0.0404	287.5666
Worker	0.0955	0.0574	0.8314	2.3500e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		244.4336	244.4336	6.5700e-003	6.0000e-003	246.3872
Total	0.1127	0.6782	1.0234	4.9500e-003	0.3592	5.6200e-003	0.3648	0.0973	5.3300e-003	0.1026		519.8893	519.8893	8.9300e-003	0.0464	533.9537

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	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373	0.0000	226.5419	226.5419	0.0733		228.3736
Total	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373	0.0000	226.5419	226.5419	0.0733		228.3736

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Site hard/soft scape - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0173	0.6208	0.1921	2.6000e-003	0.0881	4.0800e-003	0.0922	0.0254	3.9100e-003	0.0293		275.4558	275.4558	2.3600e-003	0.0404	287.5666
Worker	0.0955	0.0574	0.8314	2.3500e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		244.4336	244.4336	6.5700e-003	6.0000e-003	246.3872
Total	0.1127	0.6782	1.0234	4.9500e-003	0.3592	5.6200e-003	0.3648	0.0973	5.3300e-003	0.1026		519.8893	519.8893	8.9300e-003	0.0464	533.9537

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9485	0.9756	7.1335	0.0142	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,483.8677	1,483.8677	0.1044	0.0731	1,508.2478
Unmitigated	0.9485	0.9756	7.1335	0.0142	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,483.8677	1,483.8677	0.1044	0.0731	1,508.2478

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	351.12	343.98	249.90	637,693	637,693
Parking Lot	0.00	0.00	0.00		
Total	351.12	343.98	249.90	637,693	637,693

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.517882	0.052795	0.193633	0.146997	0.027981	0.006802	0.010707	0.009580	0.001188	0.000578	0.027032	0.001276	0.003550
Parking Lot	0.517882	0.052795	0.193633	0.146997	0.027981	0.006802	0.010707	0.009580	0.001188	0.000578	0.027032	0.001276	0.003550

5.0 Energy Detail

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461
NaturalGas Unmitigated	0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Hotel	7336.46	0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418
Parking Lot	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
Total		0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418

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					
Hotel	5.37361	0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461
Parking Lot	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
Total		0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461

6.0 Area Detail

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Unmitigated	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2342					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.9000e-004	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Total	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.2342					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.9000e-004	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Total	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Avid Hotel Project - Monterey Bay Unified APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Avid Hotel Project
Monterey Bay Unified APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	42.00	Space	0.38	16,800.00	0
Hotel	42.00	Room	1.40	60,984.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	53
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Per information provided by client
- Off-road Equipment - Applicant provided - used in Noise assessment. Activity 1 in Appendix D.
- Trips and VMT -
- Demolition -
- Grading - 1,349 cubic yard exported per project description
- Architectural Coating - MBARD rule 426
- Area Coating - MBARD Rule 426
- Energy Use -
- Water And Wastewater - Adjusted by 20% for Cal Green

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Off-road Equipment Mitigation -

Energy Mitigation - Reduced by 30% for 2019 title 24

Water Mitigation -

Off-road Equipment -

Off-road Equipment - from noise assessment

Off-road Equipment - from noise assessment

Off-road Equipment - from noise assessment

Off-road Equipment - noise assessment

Off-road Equipment - noise assessment

Off-road Equipment - noise assessment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	165.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	200.00	90.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	200.00	90.00
tblGrading	AcresOfGrading	0.00	1.88
tblOffRoadEquipment	HorsePower	158.00	81.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	LoadFactor	0.38	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	169.00
tblTripsAndVMT	VendorTripNumber	13.00	0.00

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tbITripsAndVMT	VendorTripNumber	13.00	0.00
tbITripsAndVMT	VendorTripNumber	13.00	0.00

2.0 Emissions Summary

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	1.0331	9.4404	12.0225	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,330.8157	2,330.8157	0.6818	0.0282	2,356.2678
2024	0.4909	4.1559	6.8165	0.0116	0.3592	0.1785	0.5126	0.0973	0.1643	0.2452	0.0000	1,147.9112	1,147.9112	0.2657	0.0488	1,162.3823
2025	0.2178	1.7303	2.6994	7.1600e-003	0.3592	0.0462	0.4054	0.0973	0.0427	0.1399	0.0000	733.9072	733.9072	0.0830	0.0476	750.1520
Maximum	1.0331	9.4404	12.0225	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,330.8157	2,330.8157	0.6818	0.0488	2,356.2678

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.0331	9.4404	12.0225	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,330.8157	2,330.8157	0.6818	0.0282	2,356.2678
2024	0.4909	4.1559	6.8165	0.0116	0.3592	0.1785	0.5126	0.0973	0.1643	0.2452	0.0000	1,147.9112	1,147.9112	0.2657	0.0488	1,162.3823
2025	0.2178	1.7303	2.6994	7.1600e-003	0.3592	0.0462	0.4054	0.0973	0.0427	0.1399	0.0000	733.9072	733.9072	0.0830	0.0476	750.1520
Maximum	1.0331	9.4404	12.0225	0.0239	0.6859	0.4248	1.1107	0.1187	0.3909	0.5096	0.0000	2,330.8157	2,330.8157	0.6818	0.0488	2,356.2678

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Energy	0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418
Mobile	0.8863	1.1189	7.9538	0.0137	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,424.8386	1,424.8386	0.1201	0.0804	1,451.8094
Total	2.5115	1.8383	8.5665	0.0180	1.4073	0.0673	1.4747	0.3753	0.0665	0.4418		2,287.9698	2,287.9698	0.1367	0.0963	2,320.0708

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	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Energy	0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461
Mobile	0.8863	1.1189	7.9538	0.0137	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,424.8386	1,424.8386	0.1201	0.0804	1,451.8094
Total	2.4903	1.6458	8.4049	0.0168	1.4073	0.0527	1.4600	0.3753	0.0519	0.4272		2,057.0463	2,057.0463	0.1323	0.0920	2,087.7751

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.84	10.47	1.89	6.45	0.00	21.71	0.99	0.00	21.98	3.31	0.00	10.09	10.09	3.23	4.39	10.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2023	8/21/2023	5	15	
2	Grading/Excavations	Grading	8/22/2023	10/2/2023	5	30	
3	Foundations (site & building)	Building Construction	10/3/2023	2/5/2024	5	90	
4	Structure Frame	Building Construction	2/6/2024	5/20/2024	5	75	
5	Building Exteriors	Building Construction	5/21/2024	9/2/2024	5	75	
6	Building Interiors	Building Construction	9/3/2024	4/21/2025	5	165	
7	Site hard/soft scape	Building Construction	4/22/2025	8/25/2025	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.88

Acres of Paving: 0.38

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Exteriors	Pumps	1		84	0.74
Building Exteriors	Off-Highway Trucks	1		402	0.38
Building Interiors	Pumps	1		84	0.74
Building Interiors	Off-Highway Trucks	1		402	0.38

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site hard/soft scape	Off-Highway Trucks	3		402	0.38
Site hard/soft scape	Pavers	1		132	0.36
Site hard/soft scape	Rollers	1		80	0.38
Site hard/soft scape	Pumps	1		84	0.74
Demolition	Excavators	2	8.00	81	0.73
Demolition	Off-Highway Trucks	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading/Excavations	Graders	0	8.00	187	0.41
Grading/Excavations	Rubber Tired Dozers	0	7.00	247	0.40
Grading/Excavations	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Foundations (site & building)	Graders	0	8.00	187	0.41
Foundations (site & building)	Rubber Tired Dozers	0	8.00	247	0.40
Foundations (site & building)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure Frame	Cranes	1	6.00	231	0.29
Structure Frame	Forklifts	1	6.00	89	0.20
Structure Frame	Generator Sets	0	8.00	84	0.74
Structure Frame	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Structure Frame	Welders	0	8.00	46	0.45
Building Exteriors	Cement and Mortar Mixers	0	6.00	9	0.56
Building Exteriors	Pavers	0	6.00	130	0.42
Building Exteriors	Paving Equipment	0	8.00	132	0.36
Building Exteriors	Rollers	0	7.00	80	0.38
Building Exteriors	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Interiors	Air Compressors	0	6.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Foundations (site & building)	Cranes	0	6.00	231	0.29
Building Exteriors	Cranes	1	6.00	231	0.29
Building Interiors	Cranes	0	6.00	231	0.29
Site hard/soft scape	Cranes	0	6.00	231	0.29

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Foundations (site & building)	Forklifts	0	6.00	89	0.20
Building Exteriors	Forklifts	0	6.00	89	0.20
Building Interiors	Forklifts	1	6.00	89	0.20
Site hard/soft scape	Forklifts	0	6.00	89	0.20
Foundations (site & building)	Generator Sets	0	8.00	84	0.74
Building Exteriors	Generator Sets	0	8.00	84	0.74
Building Interiors	Generator Sets	0	8.00	84	0.74
Site hard/soft scape	Generator Sets	0	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Interiors	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site hard/soft scape	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundations (site & building)	Welders	0	8.00	46	0.45
Building Exteriors	Welders	0	8.00	46	0.45
Building Interiors	Welders	0	8.00	46	0.45
Site hard/soft scape	Welders	0	8.00	46	0.45
Grading/Excavations	Excavators	1		158	0.38
Grading/Excavations	Plate Compactors	1		8	0.43
Grading/Excavations	Off-Highway Trucks	2		402	0.38
Foundations (site & building)	Excavators	1		158	0.38
Foundations (site & building)	Off-Highway Trucks	3		402	0.38
Foundations (site & building)	Pumps	2		84	0.74
Foundations (site & building)	Plate Compactors	1		8	0.43
Structure Frame	Off-Highway Trucks	1		402	0.38
Building Exteriors	Aerial Lifts	1		63	0.31

Trips and VMT

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	38.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavations	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundations (site & building)	10	33.00	0.00	169.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Structure Frame	3	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Exteriors	4	33.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Interiors	3	33.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site hard/soft scape	7	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5594	0.0000	0.5594	0.0847	0.0000	0.0847			0.0000			0.0000
Off-Road	0.9918	9.0378	11.6535	0.0216		0.4211	0.4211		0.3874	0.3874		2,093.9757	2,093.9757	0.6772		2,110.9065
Total	0.9918	9.0378	11.6535	0.0216	0.5594	0.4211	0.9805	0.0847	0.3874	0.4721		2,093.9757	2,093.9757	0.6772		2,110.9065

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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	6.0500e-003	0.3752	0.0772	1.5300e-003	0.0443	3.2400e-003	0.0476	0.0122	3.1000e-003	0.0153		163.3631	163.3631	1.8000e-003	0.0258	171.0813
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
Worker	0.0353	0.0275	0.2918	7.2000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		73.4770	73.4770	2.7600e-003	2.4600e-003	74.2799
Total	0.0413	0.4027	0.3690	2.2500e-003	0.1265	3.7600e-003	0.1302	0.0339	3.5800e-003	0.0375		236.8400	236.8400	4.5600e-003	0.0282	245.3612

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5594	0.0000	0.5594	0.0847	0.0000	0.0847			0.0000			0.0000
Off-Road	0.9918	9.0378	11.6535	0.0216		0.4211	0.4211		0.3874	0.3874	0.0000	2,093.9757	2,093.9757	0.6772		2,110.9065
Total	0.9918	9.0378	11.6535	0.0216	0.5594	0.4211	0.9805	0.0847	0.3874	0.4721	0.0000	2,093.9757	2,093.9757	0.6772		2,110.9065

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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	6.0500e-003	0.3752	0.0772	1.5300e-003	0.0443	3.2400e-003	0.0476	0.0122	3.1000e-003	0.0153		163.3631	163.3631	1.8000e-003	0.0258	171.0813
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
Worker	0.0353	0.0275	0.2918	7.2000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		73.4770	73.4770	2.7600e-003	2.4600e-003	74.2799
Total	0.0413	0.4027	0.3690	2.2500e-003	0.1265	3.7600e-003	0.1302	0.0339	3.5800e-003	0.0375		236.8400	236.8400	4.5600e-003	0.0282	245.3612

3.3 Grading/Excavations - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0665	0.0000	0.0665	7.1800e-003	0.0000	7.1800e-003			0.0000			0.0000
Off-Road	0.4541	4.6070	6.6940	9.3500e-003		0.2274	0.2274		0.2092	0.2092		904.7295	904.7295	0.2926		912.0447
Total	0.4541	4.6070	6.6940	9.3500e-003	0.0665	0.2274	0.2939	7.1800e-003	0.2092	0.2164		904.7295	904.7295	0.2926		912.0447

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavations - 2023

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	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
Worker	0.0635	0.0495	0.5253	1.2900e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		132.2585	132.2585	4.9700e-003	4.4300e-003	133.7039
Total	0.0635	0.0495	0.5253	1.2900e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		132.2585	132.2585	4.9700e-003	4.4300e-003	133.7039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0665	0.0000	0.0665	7.1800e-003	0.0000	7.1800e-003			0.0000			0.0000
Off-Road	0.4541	4.6070	6.6940	9.3500e-003		0.2274	0.2274		0.2092	0.2092	0.0000	904.7295	904.7295	0.2926		912.0447
Total	0.4541	4.6070	6.6940	9.3500e-003	0.0665	0.2274	0.2939	7.1800e-003	0.2092	0.2164	0.0000	904.7295	904.7295	0.2926		912.0447

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavations - 2023

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	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
Worker	0.0635	0.0495	0.5253	1.2900e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		132.2585	132.2585	4.9700e-003	4.4300e-003	133.7039
Total	0.0635	0.0495	0.5253	1.2900e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		132.2585	132.2585	4.9700e-003	4.4300e-003	133.7039

3.4 Foundations (site & building) - 2023

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	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831		791.6383	791.6383	0.2560		798.0391
Total	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831		791.6383	791.6383	0.2560		798.0391

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2023

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	4.4900e-003	0.2781	0.0572	1.1300e-003	0.0329	2.4000e-003	0.0353	9.0100e-003	2.2900e-003	0.0113		121.0893	121.0893	1.3400e-003	0.0191	126.8103
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
Worker	0.1164	0.0907	0.9630	2.3700e-003	0.2711	1.7100e-003	0.2728	0.0719	1.5800e-003	0.0735		242.4740	242.4740	9.1100e-003	8.1300e-003	245.1238
Total	0.1209	0.3688	1.0202	3.5000e-003	0.3039	4.1100e-003	0.3081	0.0809	3.8700e-003	0.0848		363.5633	363.5633	0.0105	0.0272	371.9341

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	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831	0.0000	791.6383	791.6383	0.2560		798.0391
Total	0.3973	4.0312	5.8572	8.1800e-003		0.1990	0.1990		0.1831	0.1831	0.0000	791.6383	791.6383	0.2560		798.0391

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2023

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	4.4900e-003	0.2781	0.0572	1.1300e-003	0.0329	2.4000e-003	0.0353	9.0100e-003	2.2900e-003	0.0113		121.0893	121.0893	1.3400e-003	0.0191	126.8103
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
Worker	0.1164	0.0907	0.9630	2.3700e-003	0.2711	1.7100e-003	0.2728	0.0719	1.5800e-003	0.0735		242.4740	242.4740	9.1100e-003	8.1300e-003	245.1238
Total	0.1209	0.3688	1.0202	3.5000e-003	0.3039	4.1100e-003	0.3081	0.0809	3.8700e-003	0.0848		363.5633	363.5633	0.0105	0.0272	371.9341

3.4 Foundations (site & building) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605		792.1377	792.1377	0.2562		798.5425
Total	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605		792.1377	792.1377	0.2562		798.5425

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4300e-003	0.2738	0.0574	1.1100e-003	0.0329	2.3800e-003	0.0352	9.0100e-003	2.2700e-003	0.0113		119.0156	119.0156	1.3300e-003	0.0188	124.6389
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
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1131	0.3542	0.9481	3.4100e-003	0.3040	4.0000e-003	0.3079	0.0809	3.7600e-003	0.0847		355.7735	355.7735	9.5500e-003	0.0263	363.8398

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	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605	0.0000	792.1377	792.1377	0.2562		798.5425
Total	0.3778	3.8017	5.8685	8.1800e-003		0.1745	0.1745		0.1605	0.1605	0.0000	792.1377	792.1377	0.2562		798.5425

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Foundations (site & building) - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4300e-003	0.2738	0.0574	1.1100e-003	0.0329	2.3800e-003	0.0352	9.0100e-003	2.2700e-003	0.0113		119.0156	119.0156	1.3300e-003	0.0188	124.6389
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
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1131	0.3542	0.9481	3.4100e-003	0.3040	4.0000e-003	0.3079	0.0809	3.7600e-003	0.0847		355.7735	355.7735	9.5500e-003	0.0263	363.8398

3.5 Structure Frame - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358		530.1286	530.1286	0.1715		534.4150
Total	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358		530.1286	530.1286	0.1715		534.4150

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Structure Frame - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0174	0.6668	0.2045	2.6500e-003	0.0881	4.1800e-003	0.0923	0.0254	4.0000e-003	0.0294		280.8683	280.8683	2.3800e-003	0.0413	293.2331
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1261	0.7471	1.0952	4.9500e-003	0.3592	5.8000e-003	0.3650	0.0973	5.4900e-003	0.1028		517.6263	517.6263	0.0106	0.0488	532.4340

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	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358	0.0000	530.1286	530.1286	0.1715		534.4150
Total	0.3195	3.2909	2.1855	5.4700e-003		0.1476	0.1476		0.1358	0.1358	0.0000	530.1286	530.1286	0.1715		534.4150

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Structure Frame - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0174	0.6668	0.2045	2.6500e-003	0.0881	4.1800e-003	0.0923	0.0254	4.0000e-003	0.0294		280.8683	280.8683	2.3800e-003	0.0413	293.2331
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1261	0.7471	1.0952	4.9500e-003	0.3592	5.8000e-003	0.3650	0.0973	5.4900e-003	0.1028		517.6263	517.6263	0.0106	0.0488	532.4340

3.6 Building Exteriors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006		419.1055	419.1055	0.1356		422.4942
Total	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006		419.1055	419.1055	0.1356		422.4942

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Exteriors - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009

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	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006	0.0000	419.1055	419.1055	0.1356		422.4942
Total	0.2488	2.6282	1.3310	4.3300e-003		0.1094	0.1094		0.1006	0.1006	0.0000	419.1055	419.1055	0.1356		422.4942

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Exteriors - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009

3.7 Building Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352		111.0231	111.0231	0.0359		111.9208
Total	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352		111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009

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	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352	0.0000	111.0231	111.0231	0.0359		111.9208
Total	0.0707	0.6626	0.8545	1.1500e-003		0.0383	0.0383		0.0352	0.0352	0.0000	111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009
Total	0.1087	0.0804	0.8907	2.3000e-003	0.2711	1.6200e-003	0.2727	0.0719	1.4900e-003	0.0734		236.7580	236.7580	8.2200e-003	7.5100e-003	239.2009

3.7 Building Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302		111.0231	111.0231	0.0359		111.9208
Total	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302		111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1020	0.0718	0.8288	2.2200e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		231.3913	231.3913	7.4500e-003	6.9800e-003	233.6566
Total	0.1020	0.0718	0.8288	2.2200e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		231.3913	231.3913	7.4500e-003	6.9800e-003	233.6566

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	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302	0.0000	111.0231	111.0231	0.0359		111.9208
Total	0.0652	0.6139	0.8503	1.1500e-003		0.0329	0.0329		0.0302	0.0302	0.0000	111.0231	111.0231	0.0359		111.9208

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Building Interiors - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	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
Worker	0.1020	0.0718	0.8288	2.2200e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		231.3913	231.3913	7.4500e-003	6.9800e-003	233.6566
Total	0.1020	0.0718	0.8288	2.2200e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		231.3913	231.3913	7.4500e-003	6.9800e-003	233.6566

3.8 Site hard/soft scape - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373		226.5419	226.5419	0.0733		228.3736
Total	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373		226.5419	226.5419	0.0733		228.3736

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Site hard/soft scape - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0167	0.6572	0.1984	2.6000e-003	0.0881	4.1000e-003	0.0922	0.0254	3.9200e-003	0.0293		275.9741	275.9741	2.3200e-003	0.0406	288.1218
Worker	0.1020	0.0718	0.8288	2.2200e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		231.3913	231.3913	7.4500e-003	6.9800e-003	233.6566
Total	0.1187	0.7290	1.0272	4.8200e-003	0.3592	5.6400e-003	0.3648	0.0973	5.3400e-003	0.1026		507.3653	507.3653	9.7700e-003	0.0476	521.7784

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	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373	0.0000	226.5419	226.5419	0.0733		228.3736
Total	0.0991	1.0013	1.6723	2.3400e-003		0.0406	0.0406		0.0373	0.0373	0.0000	226.5419	226.5419	0.0733		228.3736

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Site hard/soft scape - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000
Vendor	0.0167	0.6572	0.1984	2.6000e-003	0.0881	4.1000e-003	0.0922	0.0254	3.9200e-003	0.0293		275.9741	275.9741	2.3200e-003	0.0406	288.1218
Worker	0.1020	0.0718	0.8288	2.2200e-003	0.2711	1.5400e-003	0.2726	0.0719	1.4200e-003	0.0733		231.3913	231.3913	7.4500e-003	6.9800e-003	233.6566
Total	0.1187	0.7290	1.0272	4.8200e-003	0.3592	5.6400e-003	0.3648	0.0973	5.3400e-003	0.1026		507.3653	507.3653	9.7700e-003	0.0476	521.7784

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8863	1.1189	7.9538	0.0137	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,424,838 6	1,424,838 6	0.1201	0.0804	1,451,809 4
Unmitigated	0.8863	1.1189	7.9538	0.0137	1.4073	0.0126	1.4200	0.3753	0.0118	0.3871		1,424,838 6	1,424,838 6	0.1201	0.0804	1,451,809 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	351.12	343.98	249.90	637,693	637,693
Parking Lot	0.00	0.00	0.00		
Total	351.12	343.98	249.90	637,693	637,693

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.517882	0.052795	0.193633	0.146997	0.027981	0.006802	0.010707	0.009580	0.001188	0.000578	0.027032	0.001276	0.003550
Parking Lot	0.517882	0.052795	0.193633	0.146997	0.027981	0.006802	0.010707	0.009580	0.001188	0.000578	0.027032	0.001276	0.003550

5.0 Energy Detail

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461
NaturalGas Unmitigated	0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Hotel	7336.46	0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418
Parking Lot	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
Total		0.0791	0.7193	0.6042	4.3200e-003		0.0547	0.0547		0.0547	0.0547		863.1128	863.1128	0.0165	0.0158	868.2418

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					
Hotel	5.37361	0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461
Parking Lot	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
Total		0.0580	0.5268	0.4425	3.1600e-003		0.0400	0.0400		0.0400	0.0400		632.1893	632.1893	0.0121	0.0116	635.9461

6.0 Area Detail

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Unmitigated	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2342					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.9000e-004	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Total	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.2342					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.9000e-004	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Total	1.5460	8.0000e-005	8.5500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Avid Hotel Project - Monterey Bay Unified APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
