

**APPENDIX D:**  
**Greenhouse Gas Emissions Worksheets**



Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**Chevy Chase Project - Existing Conditions**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	5.39	1000sqft	0.12	5,394.00	0
Unrefrigerated Warehouse-No Rail	64.00	1000sqft	1.47	64,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2016
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use -

Construction Phase - Ignore construction emissions for Existing Conditions scenario

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Energy Use - Historical Title 24 assumed for Existing Conditions scenario

Sequestration -

Mobile Land Use Mitigation -

Vehicle Trips - Trip rates based on Traffic Study, prepared by The Mobility Group, dated 1.6.17

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	200.00	5.00
tblLandUse	BuildingSpaceSquareFeet	5,390.00	5,394.00
tblLandUse	LandUseSquareFeet	5,390.00	5,394.00
tblProjectCharacteristics	OperationalYear	2018	2016
tblSequestration	NumberOfNewTrees	0.00	8.00
tblVehicleTrips	ST_TR	1.68	3.56
tblVehicleTrips	SU_TR	1.68	3.56
tblVehicleTrips	WD_TR	1.68	3.56

**2.0 Emissions Summary**

---



Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**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	0.2830	1.0000e-005	9.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Energy	9.3000e-004	8.5000e-003	7.1400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	209.8246	209.8246	4.9100e-003	1.1500e-003	210.2901
Mobile	0.1496	0.7928	2.2130	5.7200e-003	0.4190	9.0800e-003	0.4280	0.1123	8.5900e-003	0.1209	0.0000	525.4012	525.4012	0.0325	0.0000	526.2124
Waste						0.0000	0.0000		0.0000	0.0000	13.5679	0.0000	13.5679	0.8018	0.0000	33.6139
Water						0.0000	0.0000		0.0000	0.0000	5.0908	116.3719	121.4627	0.5256	0.0129	138.4519
<b>Total</b>	<b>0.4335</b>	<b>0.8013</b>	<b>2.2210</b>	<b>5.7700e-003</b>	<b>0.4190</b>	<b>9.7300e-003</b>	<b>0.4287</b>	<b>0.1123</b>	<b>9.2400e-003</b>	<b>0.1216</b>	<b>18.6587</b>	<b>851.5995</b>	<b>870.2582</b>	<b>1.3648</b>	<b>0.0141</b>	<b>908.5701</b>



Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
New Trees	5.6640
<b>Total</b>	<b>5.6640</b>

**3.0 Construction Detail**

---

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	IGNORE Architectural Coating	Architectural Coating	12/20/2016	12/26/2016	5	5	
2	IGNORE Building Construction	Building Construction	12/13/2016	12/19/2016	5	5	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 104,091; Non-Residential Outdoor: 34,697; Striped Parking Area: 0 (Architectural Coating – sqft)**

OffRoad Equipment



Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
IGNORE Architectural Coating	Air Compressors	1	6.00	78	0.48
IGNORE Building Construction	Cranes	1	6.00	231	0.29
IGNORE Building Construction	Forklifts	1	6.00	89	0.20
IGNORE Building Construction	Generator Sets	1	8.00	84	0.74
IGNORE Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
IGNORE Building Construction	Welders	3	8.00	46	0.45

**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
IGNORE Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
IGNORE Building Construction	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**3.2 IGNORE Architectural Coating - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3216					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6402
<b>Total</b>	<b>0.3226</b>	<b>5.9300e-003</b>	<b>4.7100e-003</b>	<b>1.0000e-005</b>		<b>4.9000e-004</b>	<b>4.9000e-004</b>		<b>4.9000e-004</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.6402</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	9.1000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.1667	0.1667	1.0000e-005	0.0000	0.1669
<b>Total</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1667</b>	<b>0.1667</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1669</b>

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**3.2 IGNORE Architectural Coating - 2016**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3216					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6402
<b>Total</b>	<b>0.3226</b>	<b>5.9300e-003</b>	<b>4.7100e-003</b>	<b>1.0000e-005</b>		<b>4.9000e-004</b>	<b>4.9000e-004</b>		<b>4.9000e-004</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.6402</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	9.1000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.1667	0.1667	1.0000e-005	0.0000	0.1669
<b>Total</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1667</b>	<b>0.1667</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1669</b>

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**3.3 IGNORE Building Construction - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0517	0.0369	6.0000e-005		3.4300e-003	3.4300e-003		3.3100e-003	3.3100e-003	0.0000	4.6645	4.6645	1.0300e-003	0.0000	4.6901
<b>Total</b>	<b>8.2600e-003</b>	<b>0.0517</b>	<b>0.0369</b>	<b>6.0000e-005</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>		<b>3.3100e-003</b>	<b>3.3100e-003</b>	<b>0.0000</b>	<b>4.6645</b>	<b>4.6645</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>4.6901</b>

**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	1.6000e-004	3.9000e-003	1.1000e-003	1.0000e-005	1.7000e-004	4.0000e-005	2.1000e-004	5.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.6897	0.6897	6.0000e-005	0.0000	0.6911
Worker	4.9000e-004	4.1000e-004	4.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.8058	0.8058	3.0000e-005	0.0000	0.8067
<b>Total</b>	<b>6.5000e-004</b>	<b>4.3100e-003</b>	<b>5.5000e-003</b>	<b>2.0000e-005</b>	<b>9.7000e-004</b>	<b>5.0000e-005</b>	<b>1.0100e-003</b>	<b>2.6000e-004</b>	<b>5.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.4955</b>	<b>1.4955</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.4977</b>

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**3.3 IGNORE Building Construction - 2016**

**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	8.2600e-003	0.0517	0.0369	6.0000e-005		3.4300e-003	3.4300e-003		3.3100e-003	3.3100e-003	0.0000	4.6644	4.6644	1.0300e-003	0.0000	4.6901
<b>Total</b>	<b>8.2600e-003</b>	<b>0.0517</b>	<b>0.0369</b>	<b>6.0000e-005</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>		<b>3.3100e-003</b>	<b>3.3100e-003</b>	<b>0.0000</b>	<b>4.6644</b>	<b>4.6644</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>4.6901</b>

**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	1.6000e-004	3.9000e-003	1.1000e-003	1.0000e-005	1.7000e-004	4.0000e-005	2.1000e-004	5.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.6897	0.6897	6.0000e-005	0.0000	0.6911
Worker	4.9000e-004	4.1000e-004	4.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.8058	0.8058	3.0000e-005	0.0000	0.8067
<b>Total</b>	<b>6.5000e-004</b>	<b>4.3100e-003</b>	<b>5.5000e-003</b>	<b>2.0000e-005</b>	<b>9.7000e-004</b>	<b>5.0000e-005</b>	<b>1.0100e-003</b>	<b>2.6000e-004</b>	<b>5.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.4955</b>	<b>1.4955</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.4977</b>

**4.0 Operational Detail - Mobile**

---

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**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	0.1496	0.7928	2.2130	5.7200e-003	0.4190	9.0800e-003	0.4280	0.1123	8.5900e-003	0.1209	0.0000	525.4012	525.4012	0.0325	0.0000	526.2124
Unmitigated	0.1496	0.7928	2.2130	5.7200e-003	0.4190	9.0800e-003	0.4280	0.1123	8.5900e-003	0.1209	0.0000	525.4012	525.4012	0.0325	0.0000	526.2124

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	37.57	7.11	3.67	125,650	125,650
Unrefrigerated Warehouse-No Rail	227.84	227.84	227.84	976,458	976,458
<b>Total</b>	<b>265.41</b>	<b>234.95</b>	<b>231.51</b>	<b>1,102,108</b>	<b>1,102,108</b>

**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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.539084	0.046275	0.197184	0.132216	0.020089	0.005887	0.019010	0.029721	0.001893	0.002336	0.004497	0.000687	0.001121
Unrefrigerated Warehouse-No Rail	0.539084	0.046275	0.197184	0.132216	0.020089	0.005887	0.019010	0.029721	0.001893	0.002336	0.004497	0.000687	0.001121

### 5.0 Energy Detail

Historical Energy Use: Y

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	200.5734	200.5734	4.7400e-003	9.8000e-004	200.9839
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	200.5734	200.5734	4.7400e-003	9.8000e-004	200.9839
Natural Gas Mitigated	9.3000e-004	8.5000e-003	7.1400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.2512	9.2512	1.8000e-004	1.7000e-004	9.3062
Natural Gas Unmitigated	9.3000e-004	8.5000e-003	7.1400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.2512	9.2512	1.8000e-004	1.7000e-004	9.3062

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**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					
General Light Industry	106801	5.8000e-004	5.2400e-003	4.4000e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	5.6993	5.6993	1.1000e-004	1.0000e-004	5.7332
Unrefrigerated Warehouse-No Rail	66560	3.6000e-004	3.2600e-003	2.7400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.5519	3.5519	7.0000e-005	7.0000e-005	3.5730
<b>Total</b>		<b>9.4000e-004</b>	<b>8.5000e-003</b>	<b>7.1400e-003</b>	<b>5.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.2512</b>	<b>9.2512</b>	<b>1.8000e-004</b>	<b>1.7000e-004</b>	<b>9.3062</b>

**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					
General Light Industry	106801	5.8000e-004	5.2400e-003	4.4000e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	5.6993	5.6993	1.1000e-004	1.0000e-004	5.7332
Unrefrigerated Warehouse-No Rail	66560	3.6000e-004	3.2600e-003	2.7400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.5519	3.5519	7.0000e-005	7.0000e-005	3.5730
<b>Total</b>		<b>9.4000e-004</b>	<b>8.5000e-003</b>	<b>7.1400e-003</b>	<b>5.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.2512</b>	<b>9.2512</b>	<b>1.8000e-004</b>	<b>1.7000e-004</b>	<b>9.3062</b>



Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	67640.8	37.6733	8.9000e-004	1.8000e-004	37.7504
Unrefrigerated Warehouse-No Rail	292480	162.9001	3.8500e-003	8.0000e-004	163.2335
<b>Total</b>		<b>200.5734</b>	<b>4.7400e-003</b>	<b>9.8000e-004</b>	<b>200.9839</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	67640.8	37.6733	8.9000e-004	1.8000e-004	37.7504
Unrefrigerated Warehouse-No Rail	292480	162.9001	3.8500e-003	8.0000e-004	163.2335
<b>Total</b>		<b>200.5734</b>	<b>4.7400e-003</b>	<b>9.8000e-004</b>	<b>200.9839</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.2830	1.0000e-005	9.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
Unmitigated	0.2830	1.0000e-005	9.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-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	0.0322					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
<b>Total</b>	<b>0.2830</b>	<b>1.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8400e-003</b>

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**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	0.0322					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8400e-003
<b>Total</b>	<b>0.2830</b>	<b>1.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8400e-003</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	121.4627	0.5256	0.0129	138.4519
Unmitigated	121.4627	0.5256	0.0129	138.4519

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.24644 / 0	9.4349	0.0408	1.0000e-003	10.7545
Unrefrigerated Warehouse-No Rail	14.8 / 0	112.0279	0.4848	0.0119	127.6974
<b>Total</b>		<b>121.4627</b>	<b>0.5256</b>	<b>0.0129</b>	<b>138.4519</b>

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.24644 / 0	9.4349	0.0408	1.0000e-003	10.7545
Unrefrigerated Warehouse-No Rail	14.8 / 0	112.0279	0.4848	0.0119	127.6974
<b>Total</b>		<b>121.4627</b>	<b>0.5256</b>	<b>0.0129</b>	<b>138.4519</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.5679	0.8018	0.0000	33.6139
Unmitigated	13.5679	0.8018	0.0000	33.6139

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	6.68	1.3560	0.0801	0.0000	3.3594
Unrefrigerated Warehouse-No Rail	60.16	12.2119	0.7217	0.0000	30.2546
<b>Total</b>		<b>13.5679</b>	<b>0.8018</b>	<b>0.0000</b>	<b>33.6139</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	6.68	1.3560	0.0801	0.0000	3.3594
Unrefrigerated Warehouse-No Rail	60.16	12.2119	0.7217	0.0000	30.2546
<b>Total</b>		<b>13.5679</b>	<b>0.8018</b>	<b>0.0000</b>	<b>33.6139</b>

**9.0 Operational Offroad**

---

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

## Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

**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**

---

Chevy Chase Project - Existing Conditions - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	5.6640	0.0000	0.0000	5.6640

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	8	5.6640	0.0000	0.0000	5.6640
<b>Total</b>		<b>5.6640</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.6640</b>



Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15.81	1000sqft	0.36	15,810.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - Construction for the new 15,810 sf office

Construction Phase - Based on approximate 12-month construction timeline

Grading - Approximate 0.5 acre site of site preparation for new building

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

## Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	100.00	185.00
tblConstructionPhase	NumDays	5.00	66.00
tblConstructionPhase	PhaseEndDate	5/31/2017	6/14/2017
tblGrading	AcresOfGrading	5.00	0.50
tblProjectCharacteristics	OperationalYear	2018	2019

## 2.0 Emissions Summary

---



Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2017	8-31-2017	0.4609	0.4609
2	9-1-2017	11-30-2017	0.4712	0.4712
3	12-1-2017	2-28-2018	0.4249	0.4249
4	3-1-2018	5-31-2018	0.1490	0.1490
		Highest	0.4712	0.4712

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	0.0645	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Energy	8.9000e-004	8.1100e-003	6.8100e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	126.1150	126.1150	2.9400e-003	7.3000e-004	126.4075
Mobile	0.0486	0.2681	0.6519	2.0900e-003	0.1622	2.4300e-003	0.1646	0.0435	2.2900e-003	0.0458	0.0000	192.9543	192.9543	0.0104	0.0000	193.2151
Waste						0.0000	0.0000		0.0000	0.0000	2.9840	0.0000	2.9840	0.1764	0.0000	7.3927
Water						0.0000	0.0000		0.0000	0.0000	0.8915	31.0354	31.9269	0.0923	2.3100e-003	34.9238
<b>Total</b>	<b>0.1139</b>	<b>0.2762</b>	<b>0.6589</b>	<b>2.1400e-003</b>	<b>0.1622</b>	<b>3.0500e-003</b>	<b>0.1652</b>	<b>0.0435</b>	<b>2.9100e-003</b>	<b>0.0464</b>	<b>3.8754</b>	<b>350.1051</b>	<b>353.9805</b>	<b>0.2820</b>	<b>3.0400e-003</b>	<b>361.9394</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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	0.0645	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Energy	8.9000e-004	8.1100e-003	6.8100e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	126.1150	126.1150	2.9400e-003	7.3000e-004	126.4075
Mobile	0.0486	0.2681	0.6519	2.0900e-003	0.1622	2.4300e-003	0.1646	0.0435	2.2900e-003	0.0458	0.0000	192.9543	192.9543	0.0104	0.0000	193.2151
Waste						0.0000	0.0000		0.0000	0.0000	2.9840	0.0000	2.9840	0.1764	0.0000	7.3927
Water						0.0000	0.0000		0.0000	0.0000	0.8915	31.0354	31.9269	0.0923	2.3100e-003	34.9238
<b>Total</b>	<b>0.1139</b>	<b>0.2762</b>	<b>0.6589</b>	<b>2.1400e-003</b>	<b>0.1622</b>	<b>3.0500e-003</b>	<b>0.1652</b>	<b>0.0435</b>	<b>2.9100e-003</b>	<b>0.0464</b>	<b>3.8754</b>	<b>350.1051</b>	<b>353.9805</b>	<b>0.2820</b>	<b>3.0400e-003</b>	<b>361.9394</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2017	6/14/2017	5	10	
2	Building Construction	Building Construction	6/15/2017	2/28/2018	5	185	
3	Architectural Coating	Architectural Coating	3/1/2018	5/31/2018	5	66	

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**Acres of Grading (Site Preparation Phase): 0.5**

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,715; Non-Residential Outdoor: 7,905; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Clean Paved Roads

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.2 Site Preparation - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0526	0.0218	5.0000e-005		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	4.5338	4.5338	1.3900e-003	0.0000	4.5685
<b>Total</b>	<b>4.2600e-003</b>	<b>0.0526</b>	<b>0.0218</b>	<b>5.0000e-005</b>	<b>2.7000e-004</b>	<b>2.3600e-003</b>	<b>2.6300e-003</b>	<b>3.0000e-005</b>	<b>2.1700e-003</b>	<b>2.2000e-003</b>	<b>0.0000</b>	<b>4.5338</b>	<b>4.5338</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>4.5685</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3300e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2707	0.2707	1.0000e-005	0.0000	0.2710
<b>Total</b>	<b>1.5000e-004</b>	<b>1.2000e-004</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2707</b>	<b>0.2707</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2710</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.2 Site Preparation - 2017**

**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					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0526	0.0218	5.0000e-005		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	4.5337	4.5337	1.3900e-003	0.0000	4.5685
<b>Total</b>	<b>4.2600e-003</b>	<b>0.0526</b>	<b>0.0218</b>	<b>5.0000e-005</b>	<b>1.2000e-004</b>	<b>2.3600e-003</b>	<b>2.4800e-003</b>	<b>1.0000e-005</b>	<b>2.1700e-003</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>4.5337</b>	<b>4.5337</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>4.5685</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3300e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2707	0.2707	1.0000e-005	0.0000	0.2710
<b>Total</b>	<b>1.5000e-004</b>	<b>1.2000e-004</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2707</b>	<b>0.2707</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2710</b>



Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.3 Building Construction - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0910	0.9059	0.5730	8.1000e-004		0.0610	0.0610		0.0561	0.0561	0.0000	75.0968	75.0968	0.0230	0.0000	75.6721
<b>Total</b>	<b>0.0910</b>	<b>0.9059</b>	<b>0.5730</b>	<b>8.1000e-004</b>		<b>0.0610</b>	<b>0.0610</b>		<b>0.0561</b>	<b>0.0561</b>	<b>0.0000</b>	<b>75.0968</b>	<b>75.0968</b>	<b>0.0230</b>	<b>0.0000</b>	<b>75.6721</b>

**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	1.0500e-003	0.0281	7.5300e-003	6.0000e-005	1.3400e-003	2.4000e-004	1.5800e-003	3.9000e-004	2.3000e-004	6.2000e-004	0.0000	5.3371	5.3371	4.0000e-004	0.0000	5.3471
Worker	2.1200e-003	1.7700e-003	0.0189	4.0000e-005	3.8900e-003	3.0000e-005	3.9300e-003	1.0300e-003	3.0000e-005	1.0600e-003	0.0000	3.8442	3.8442	1.5000e-004	0.0000	3.8478
<b>Total</b>	<b>3.1700e-003</b>	<b>0.0299</b>	<b>0.0264</b>	<b>1.0000e-004</b>	<b>5.2300e-003</b>	<b>2.7000e-004</b>	<b>5.5100e-003</b>	<b>1.4200e-003</b>	<b>2.6000e-004</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>9.1813</b>	<b>9.1813</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>9.1950</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.3 Building Construction - 2017**

**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	0.0910	0.9059	0.5730	8.1000e-004		0.0610	0.0610		0.0561	0.0561	0.0000	75.0967	75.0967	0.0230	0.0000	75.6720
<b>Total</b>	<b>0.0910</b>	<b>0.9059</b>	<b>0.5730</b>	<b>8.1000e-004</b>		<b>0.0610</b>	<b>0.0610</b>		<b>0.0561</b>	<b>0.0561</b>	<b>0.0000</b>	<b>75.0967</b>	<b>75.0967</b>	<b>0.0230</b>	<b>0.0000</b>	<b>75.6720</b>

**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	1.0500e-003	0.0281	7.5300e-003	6.0000e-005	1.3400e-003	2.4000e-004	1.5800e-003	3.9000e-004	2.3000e-004	6.2000e-004	0.0000	5.3371	5.3371	4.0000e-004	0.0000	5.3471
Worker	2.1200e-003	1.7700e-003	0.0189	4.0000e-005	3.8900e-003	3.0000e-005	3.9300e-003	1.0300e-003	3.0000e-005	1.0600e-003	0.0000	3.8442	3.8442	1.5000e-004	0.0000	3.8478
<b>Total</b>	<b>3.1700e-003</b>	<b>0.0299</b>	<b>0.0264</b>	<b>1.0000e-004</b>	<b>5.2300e-003</b>	<b>2.7000e-004</b>	<b>5.5100e-003</b>	<b>1.4200e-003</b>	<b>2.6000e-004</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>9.1813</b>	<b>9.1813</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>9.1950</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0233	0.2372	0.1667	2.4000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	22.3625	22.3625	6.9600e-003	0.0000	22.5366
<b>Total</b>	<b>0.0233</b>	<b>0.2372</b>	<b>0.1667</b>	<b>2.4000e-004</b>		<b>0.0152</b>	<b>0.0152</b>		<b>0.0140</b>	<b>0.0140</b>	<b>0.0000</b>	<b>22.3625</b>	<b>22.3625</b>	<b>6.9600e-003</b>	<b>0.0000</b>	<b>22.5366</b>

**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	2.8000e-004	7.9700e-003	2.0500e-003	2.0000e-005	4.1000e-004	6.0000e-005	4.6000e-004	1.2000e-004	5.0000e-005	1.7000e-004	0.0000	1.6111	1.6111	1.1000e-004	0.0000	1.6140
Worker	5.7000e-004	4.7000e-004	5.0200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1314	1.1314	4.0000e-005	0.0000	1.1324
<b>Total</b>	<b>8.5000e-004</b>	<b>8.4400e-003</b>	<b>7.0700e-003</b>	<b>3.0000e-005</b>	<b>1.5900e-003</b>	<b>7.0000e-005</b>	<b>1.6500e-003</b>	<b>4.3000e-004</b>	<b>6.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>2.7426</b>	<b>2.7426</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.7464</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.3 Building Construction - 2018**

**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	0.0233	0.2372	0.1667	2.4000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	22.3625	22.3625	6.9600e-003	0.0000	22.5365
<b>Total</b>	<b>0.0233</b>	<b>0.2372</b>	<b>0.1667</b>	<b>2.4000e-004</b>		<b>0.0152</b>	<b>0.0152</b>		<b>0.0140</b>	<b>0.0140</b>	<b>0.0000</b>	<b>22.3625</b>	<b>22.3625</b>	<b>6.9600e-003</b>	<b>0.0000</b>	<b>22.5365</b>

**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	2.8000e-004	7.9700e-003	2.0500e-003	2.0000e-005	4.1000e-004	6.0000e-005	4.6000e-004	1.2000e-004	5.0000e-005	1.7000e-004	0.0000	1.6111	1.6111	1.1000e-004	0.0000	1.6140
Worker	5.7000e-004	4.7000e-004	5.0200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1314	1.1314	4.0000e-005	0.0000	1.1324
<b>Total</b>	<b>8.5000e-004</b>	<b>8.4400e-003</b>	<b>7.0700e-003</b>	<b>3.0000e-005</b>	<b>1.5900e-003</b>	<b>7.0000e-005</b>	<b>1.6500e-003</b>	<b>4.3000e-004</b>	<b>6.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>2.7426</b>	<b>2.7426</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.7464</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.4 Architectural Coating - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0733					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8500e-003	0.0662	0.0612	1.0000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	8.4258	8.4258	8.0000e-004	0.0000	8.4458
<b>Total</b>	<b>0.0831</b>	<b>0.0662</b>	<b>0.0612</b>	<b>1.0000e-004</b>		<b>4.9700e-003</b>	<b>4.9700e-003</b>		<b>4.9700e-003</b>	<b>4.9700e-003</b>	<b>0.0000</b>	<b>8.4258</b>	<b>8.4258</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>8.4458</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3473	0.3473	1.0000e-005	0.0000	0.3476
<b>Total</b>	<b>1.8000e-004</b>	<b>1.4000e-004</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3473</b>	<b>0.3473</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3476</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.4 Architectural Coating - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0733					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8500e-003	0.0662	0.0612	1.0000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	8.4257	8.4257	8.0000e-004	0.0000	8.4458
<b>Total</b>	<b>0.0831</b>	<b>0.0662</b>	<b>0.0612</b>	<b>1.0000e-004</b>		<b>4.9700e-003</b>	<b>4.9700e-003</b>		<b>4.9700e-003</b>	<b>4.9700e-003</b>	<b>0.0000</b>	<b>8.4257</b>	<b>8.4257</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>8.4458</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3473	0.3473	1.0000e-005	0.0000	0.3476
<b>Total</b>	<b>1.8000e-004</b>	<b>1.4000e-004</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3473</b>	<b>0.3473</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3476</b>

**4.0 Operational Detail - Mobile**

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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	0.0486	0.2681	0.6519	2.0900e-003	0.1622	2.4300e-003	0.1646	0.0435	2.2900e-003	0.0458	0.0000	192.9543	192.9543	0.0104	0.0000	193.2151
Unmitigated	0.0486	0.2681	0.6519	2.0900e-003	0.1622	2.4300e-003	0.1646	0.0435	2.2900e-003	0.0458	0.0000	192.9543	192.9543	0.0104	0.0000	193.2151

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	174.38	38.89	16.60	426,804	426,804
Total	174.38	38.89	16.60	426,804	426,804

**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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	117.2901	117.2901	2.7700e-003	5.7000e-004	117.5301
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	117.2901	117.2901	2.7700e-003	5.7000e-004	117.5301
NaturalGas Mitigated	8.9000e-004	8.1100e-003	6.8100e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8249	8.8249	1.7000e-004	1.6000e-004	8.8774
NaturalGas Unmitigated	8.9000e-004	8.1100e-003	6.8100e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8249	8.8249	1.7000e-004	1.6000e-004	8.8774



Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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					
General Office Building	165373	8.9000e-004	8.1100e-003	6.8100e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8249	8.8249	1.7000e-004	1.6000e-004	8.8774
<b>Total</b>		<b>8.9000e-004</b>	<b>8.1100e-003</b>	<b>6.8100e-003</b>	<b>5.0000e-005</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>8.8249</b>	<b>8.8249</b>	<b>1.7000e-004</b>	<b>1.6000e-004</b>	<b>8.8774</b>

**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					
General Office Building	165373	8.9000e-004	8.1100e-003	6.8100e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8249	8.8249	1.7000e-004	1.6000e-004	8.8774
<b>Total</b>		<b>8.9000e-004</b>	<b>8.1100e-003</b>	<b>6.8100e-003</b>	<b>5.0000e-005</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>8.8249</b>	<b>8.8249</b>	<b>1.7000e-004</b>	<b>1.6000e-004</b>	<b>8.8774</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	210589	117.2901	2.7700e-003	5.7000e-004	117.5301
<b>Total</b>		<b>117.2901</b>	<b>2.7700e-003</b>	<b>5.7000e-004</b>	<b>117.5301</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	210589	117.2901	2.7700e-003	5.7000e-004	117.5301
<b>Total</b>		<b>117.2901</b>	<b>2.7700e-003</b>	<b>5.7000e-004</b>	<b>117.5301</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.0645	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Unmitigated	0.0645	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004

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	7.3300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
<b>Total</b>	<b>0.0645</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.2000e-004</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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	7.3300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
<b>Total</b>	<b>0.0645</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.2000e-004</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	31.9269	0.0923	2.3100e-003	34.9238
Unmitigated	31.9269	0.0923	2.3100e-003	34.9238

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	2.80997 / 1.72224	31.9269	0.0923	2.3100e-003	34.9238
<b>Total</b>		<b>31.9269</b>	<b>0.0923</b>	<b>2.3100e-003</b>	<b>34.9238</b>

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	2.80997 / 1.72224	31.9269	0.0923	2.3100e-003	34.9238
<b>Total</b>		<b>31.9269</b>	<b>0.0923</b>	<b>2.3100e-003</b>	<b>34.9238</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.9840	0.1764	0.0000	7.3927
Unmitigated	2.9840	0.1764	0.0000	7.3927

Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	14.7	2.9840	0.1764	0.0000	7.3927
<b>Total</b>		<b>2.9840</b>	<b>0.1764</b>	<b>0.0000</b>	<b>7.3927</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	14.7	2.9840	0.1764	0.0000	7.3927
<b>Total</b>		<b>2.9840</b>	<b>0.1764</b>	<b>0.0000</b>	<b>7.3927</b>

**9.0 Operational Offroad**

---

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

## Chevy Chase Proposed Project - CONSTRUCTION EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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**

---



Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	79.16	1000sqft	3.40	79,156.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2019
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Project Data per the Traffic Study, prepared by The Mobility Plan, dated 1.6.17

Construction Phase - Ignore Construction Emissions for Operational Emissions Scenario

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Vehicle Trips - Trip rates based on Traffic Study (1.6.17) prepared by The Mobility Group. Trip rates include reduction trips.

Sequestration -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	1/9/2017	12/27/2017
tblConstructionPhase	PhaseEndDate	1/9/2017	11/27/2017
tblConstructionPhase	PhaseStartDate	1/10/2017	11/28/2017
tblLandUse	LotAcreage	1.82	3.40
tblProjectCharacteristics	OperationalYear	2018	2019
tblSequestration	NumberOfNewTrees	0.00	8.00
tblVehicleTrips	SU_TR	1.05	1.00
tblVehicleTrips	WD_TR	11.03	10.47

**2.0 Emissions Summary**

---



Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-10-2017	4-9-2017	1.0190	1.0190
2	4-10-2017	7-9-2017	1.0294	1.0294
3	7-10-2017	9-30-2017	0.9389	0.9389
		Highest	1.0294	1.0294

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	0.3228	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.1000e-003
Energy	4.4600e-003	0.0406	0.0341	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	631.4205	631.4205	0.0147	3.6800e-003	632.8849
Mobile	0.2314	1.2772	3.1052	9.9700e-003	0.7725	0.0116	0.7841	0.2070	0.0109	0.2179	0.0000	919.1288	919.1288	0.0497	0.0000	920.3710
Waste						0.0000	0.0000		0.0000	0.0000	14.9442	0.0000	14.9442	0.8832	0.0000	37.0236
Water						0.0000	0.0000		0.0000	0.0000	4.4636	155.3930	159.8565	0.4621	0.0116	174.8617
<b>Total</b>	<b>0.5586</b>	<b>1.3178</b>	<b>3.1403</b>	<b>0.0102</b>	<b>0.7725</b>	<b>0.0147</b>	<b>0.7872</b>	<b>0.2070</b>	<b>0.0140</b>	<b>0.2210</b>	<b>19.4078</b>	<b>1,705.9443</b>	<b>1,725.3520</b>	<b>1.4097</b>	<b>0.0153</b>	<b>1,765.1434</b>

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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	0.3228	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.1000e-003
Energy	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	546.2022	546.2022	0.0127	3.1500e-003	547.4590
Mobile	0.2116	1.1201	2.6126	8.1300e-003	0.6211	9.4700e-003	0.6306	0.1665	8.9100e-003	0.1754	0.0000	749.5472	749.5472	0.0419	0.0000	750.5957
Waste						0.0000	0.0000		0.0000	0.0000	7.4721	0.0000	7.4721	0.4416	0.0000	18.5118
Water						0.0000	0.0000		0.0000	0.0000	3.5709	124.3144	127.8852	0.3697	9.2700e-003	139.8894
<b>Total</b>	<b>0.5380</b>	<b>1.1529</b>	<b>2.6411</b>	<b>8.3300e-003</b>	<b>0.6211</b>	<b>0.0120</b>	<b>0.6331</b>	<b>0.1665</b>	<b>0.0114</b>	<b>0.1779</b>	<b>11.0430</b>	<b>1,420.0657</b>	<b>1,431.1087</b>	<b>0.8660</b>	<b>0.0124</b>	<b>1,456.4580</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>3.69</b>	<b>12.51</b>	<b>15.90</b>	<b>18.41</b>	<b>19.60</b>	<b>18.36</b>	<b>19.58</b>	<b>19.60</b>	<b>18.40</b>	<b>19.52</b>	<b>43.10</b>	<b>16.76</b>	<b>17.05</b>	<b>38.57</b>	<b>18.61</b>	<b>17.49</b>

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
New Trees	5.6640
<b>Total</b>	<b>5.6640</b>

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	IGNORE Architectural Coating	Architectural Coating	11/28/2017	12/27/2017	5	22	
2	IGNORE Building Construction	Building Construction	1/10/2017	11/27/2017	5	230	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 118,734; Non-Residential Outdoor: 39,578; Striped Parking Area: 0 (Architectural Coating – sqft)**

OffRoad Equipment

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
IGNORE Architectural Coating	Air Compressors	1	6.00	78	0.48
IGNORE Building Construction	Cranes	1	7.00	231	0.29
IGNORE Building Construction	Forklifts	3	8.00	89	0.20
IGNORE Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
IGNORE Building Construction	Generator Sets	1	8.00	84	0.74
IGNORE Building Construction	Welders	1	8.00	46	0.45

**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
IGNORE Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
IGNORE Building Construction	9	25.00	13.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.2 IGNORE Architectural Coating - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6600e-003	0.0240	0.0206	3.0000e-005		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003	0.0000	2.8086	2.8086	3.0000e-004	0.0000	2.8160
<b>Total</b>	<b>0.3706</b>	<b>0.0240</b>	<b>0.0206</b>	<b>3.0000e-005</b>		<b>1.9100e-003</b>	<b>1.9100e-003</b>		<b>1.9100e-003</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>2.8086</b>	<b>2.8086</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>2.8160</b>

**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	3.3000e-004	2.7000e-004	2.9300e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5956	0.5956	2.0000e-005	0.0000	0.5961
<b>Total</b>	<b>3.3000e-004</b>	<b>2.7000e-004</b>	<b>2.9300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>1.0000e-005</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5956</b>	<b>0.5956</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5961</b>



Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.2 IGNORE Architectural Coating - 2017**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6600e-003	0.0240	0.0206	3.0000e-005		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003	0.0000	2.8086	2.8086	3.0000e-004	0.0000	2.8160
<b>Total</b>	<b>0.3706</b>	<b>0.0240</b>	<b>0.0206</b>	<b>3.0000e-005</b>		<b>1.9100e-003</b>	<b>1.9100e-003</b>		<b>1.9100e-003</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>2.8086</b>	<b>2.8086</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>2.8160</b>

**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	3.3000e-004	2.7000e-004	2.9300e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5956	0.5956	2.0000e-005	0.0000	0.5961
<b>Total</b>	<b>3.3000e-004</b>	<b>2.7000e-004</b>	<b>2.9300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>1.0000e-005</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5956</b>	<b>0.5956</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5961</b>

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.3 IGNORE Building Construction - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3582	3.0538	2.0910	3.1000e-003		0.2056	0.2056		0.1931	0.1931	0.0000	276.5668	276.5668	0.0681	0.0000	278.2702
<b>Total</b>	<b>0.3582</b>	<b>3.0538</b>	<b>2.0910</b>	<b>3.1000e-003</b>		<b>0.2056</b>	<b>0.2056</b>		<b>0.1931</b>	<b>0.1931</b>	<b>0.0000</b>	<b>276.5668</b>	<b>276.5668</b>	<b>0.0681</b>	<b>0.0000</b>	<b>278.2702</b>

**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	7.3600e-003	0.1972	0.0528	3.9000e-004	9.4200e-003	1.6800e-003	0.0111	2.7200e-003	1.6100e-003	4.3300e-003	0.0000	37.4601	37.4601	2.8000e-003	0.0000	37.5303
Worker	0.0172	0.0144	0.1530	3.5000e-004	0.0315	2.7000e-004	0.0318	8.3800e-003	2.4000e-004	8.6200e-003	0.0000	31.1326	31.1326	1.1800e-003	0.0000	31.1621
<b>Total</b>	<b>0.0246</b>	<b>0.2115</b>	<b>0.2058</b>	<b>7.4000e-004</b>	<b>0.0410</b>	<b>1.9500e-003</b>	<b>0.0429</b>	<b>0.0111</b>	<b>1.8500e-003</b>	<b>0.0130</b>	<b>0.0000</b>	<b>68.5928</b>	<b>68.5928</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>68.6923</b>

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**3.3 IGNORE Building Construction - 2017**

**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	0.3582	3.0538	2.0910	3.1000e-003		0.2056	0.2056		0.1931	0.1931	0.0000	276.5664	276.5664	0.0681	0.0000	278.2699
<b>Total</b>	<b>0.3582</b>	<b>3.0538</b>	<b>2.0910</b>	<b>3.1000e-003</b>		<b>0.2056</b>	<b>0.2056</b>		<b>0.1931</b>	<b>0.1931</b>	<b>0.0000</b>	<b>276.5664</b>	<b>276.5664</b>	<b>0.0681</b>	<b>0.0000</b>	<b>278.2699</b>

**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	7.3600e-003	0.1972	0.0528	3.9000e-004	9.4200e-003	1.6800e-003	0.0111	2.7200e-003	1.6100e-003	4.3300e-003	0.0000	37.4601	37.4601	2.8000e-003	0.0000	37.5303
Worker	0.0172	0.0144	0.1530	3.5000e-004	0.0315	2.7000e-004	0.0318	8.3800e-003	2.4000e-004	8.6200e-003	0.0000	31.1326	31.1326	1.1800e-003	0.0000	31.1621
<b>Total</b>	<b>0.0246</b>	<b>0.2115</b>	<b>0.2058</b>	<b>7.4000e-004</b>	<b>0.0410</b>	<b>1.9500e-003</b>	<b>0.0429</b>	<b>0.0111</b>	<b>1.8500e-003</b>	<b>0.0130</b>	<b>0.0000</b>	<b>68.5928</b>	<b>68.5928</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>68.6923</b>

**4.0 Operational Detail - Mobile**

---

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**4.1 Mitigation Measures Mobile**

Increase Density

	ROG	NOx	CO	SO2	Fugitive 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	0.2116	1.1201	2.6126	8.1300e-003	0.6211	9.4700e-003	0.6306	0.1665	8.9100e-003	0.1754	0.0000	749.5472	749.5472	0.0419	0.0000	750.5957
Unmitigated	0.2314	1.2772	3.1052	9.9700e-003	0.7725	0.0116	0.7841	0.2070	0.0109	0.2179	0.0000	919.1288	919.1288	0.0497	0.0000	920.3710

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	828.76	194.72	79.16	2,033,062	1,634,582
Total	828.76	194.72	79.16	2,033,062	1,634,582

**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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	510.5257	510.5257	0.0121	2.4900e-003	511.5705
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	587.2368	587.2368	0.0139	2.8700e-003	588.4386
NaturalGas Mitigated	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	35.6765	35.6765	6.8000e-004	6.5000e-004	35.8885
NaturalGas Unmitigated	4.4600e-003	0.0406	0.0341	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.1837	44.1837	8.5000e-004	8.1000e-004	44.4463

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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					
General Office Building	827972	4.4600e-003	0.0406	0.0341	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	44.1837	44.1837	8.5000e-004	8.1000e-004	44.4463
<b>Total</b>		<b>4.4600e-003</b>	<b>0.0406</b>	<b>0.0341</b>	<b>2.4000e-004</b>		<b>3.0800e-003</b>	<b>3.0800e-003</b>		<b>3.0800e-003</b>	<b>3.0800e-003</b>	<b>0.0000</b>	<b>44.1837</b>	<b>44.1837</b>	<b>8.5000e-004</b>	<b>8.1000e-004</b>	<b>44.4463</b>

**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					
General Office Building	668552	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	35.6765	35.6765	6.8000e-004	6.5000e-004	35.8885
<b>Total</b>		<b>3.6000e-003</b>	<b>0.0328</b>	<b>0.0275</b>	<b>2.0000e-004</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>35.6765</b>	<b>35.6765</b>	<b>6.8000e-004</b>	<b>6.5000e-004</b>	<b>35.8885</b>

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.05436e+006	587.2368	0.0139	2.8700e-003	588.4386
<b>Total</b>		<b>587.2368</b>	<b>0.0139</b>	<b>2.8700e-003</b>	<b>588.4386</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	916626	510.5257	0.0121	2.4900e-003	511.5705
<b>Total</b>		<b>510.5257</b>	<b>0.0121</b>	<b>2.4900e-003</b>	<b>511.5705</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.3228	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.1000e-003
Unmitigated	0.3228	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.1000e-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	0.0367					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2860					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	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.1000e-003
<b>Total</b>	<b>0.3228</b>	<b>1.0000e-005</b>	<b>1.0200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.9600e-003</b>	<b>1.9600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.1000e-003</b>



Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**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	0.0367					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2860					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	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.1000e-003
<b>Total</b>	<b>0.3228</b>	<b>1.0000e-005</b>	<b>1.0200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.9600e-003</b>	<b>1.9600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.1000e-003</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	127.8852	0.3697	9.2700e-003	139.8894
Unmitigated	159.8565	0.4621	0.0116	174.8617

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	14.0694 / 8.62318	159.8565	0.4621	0.0116	174.8617
<b>Total</b>		<b>159.8565</b>	<b>0.4621</b>	<b>0.0116</b>	<b>174.8617</b>

## Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	11.2555 / 6.89855	127.8852	0.3697	9.2700e-003	139.8894
<b>Total</b>		<b>127.8852</b>	<b>0.3697</b>	<b>9.2700e-003</b>	<b>139.8894</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.4721	0.4416	0.0000	18.5118
Unmitigated	14.9442	0.8832	0.0000	37.0236

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	73.62	14.9442	0.8832	0.0000	37.0236
<b>Total</b>		<b>14.9442</b>	<b>0.8832</b>	<b>0.0000</b>	<b>37.0236</b>

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	36.81	7.4721	0.4416	0.0000	18.5118
<b>Total</b>		<b>7.4721</b>	<b>0.4416</b>	<b>0.0000</b>	<b>18.5118</b>

**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**

Chevy Chase Proposed Project - OPERATIONAL EMISSIONS ONLY - South Coast AQMD Air District, Annual

---

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	5.6640	0.0000	0.0000	5.6640

**11.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	8	5.6640	0.0000	0.0000	5.6640
<b>Total</b>		<b>5.6640</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.6640</b>