

Ldn Consulting, Inc.

42428 Chisolm Trail, Murrieta CA 92562
www.ldnconsulting.net

phone 760-473-1253
fax 760-689-4943

October 1, 2020

Hedy Levine
REC Consultants
2442 Second Avenue
San Diego, CA 92101

RE: CarMax Auto Store Development Greenhouse Gas Screening Letter - City of Oceanside

The purpose of this Greenhouse Gas (GHG) screening letter is to identify potential GHG impacts, if any, which may be created from the construction and operation of the proposed CarMax Auto Store located on the south side of the 4000 block of Plaza Drive west of the Oceanside DMV in Oceanside, California. The project site is south of State Route 78 and approximately 4 miles east of Interstate 5. Locally, the project site is located south of the intersection of Plaza Drive and Thunder Drive.

GHG Thresholds:

California State laws governing GHG emissions within the state are generally written to conform to both the Global Warming Solutions Act of 2006 (AB 32) and Senate Bill 32 (SB 32). These laws were written to reduce GHG emissions within the state to goals set forth within the laws therein. The current goals for the State are to reduce GHG emissions by 40 percent below 1990 levels by 2030. In order to meet the requirements of the State's laws, the City of Oceanside has adopted a screening threshold of 900 metric tons of GHG's per year or the utilization of an efficiency/service population thresholds (City of Oceanside, 2019) which are identified below:

- Projects that will be implemented prior to 2020 must show that GHG emissions related to both construction and operation will not exceed 4.0 MT CO₂e/service population per year.
- Projects that will not be implemented prior to 2020 must show that GHG emissions related to both construction and operations will not exceed 3.5 MT CO₂e/service population per year.

Construction Description

The Project construction dates were estimated based on a construction kickoff in 2021 with construction completed in 2022. Table 1 shows the expected timeframes for the construction processes for all the Proposed Project infrastructure, facilities, improvements and structures at

the site, as well as the expected number of pieces of equipment have been verified by the applicants Project Engineer.

Table 1: Expected Construction Equipment

Equipment Identification	Proposed Start	Proposed Completion	Quantity
Site Preparation	1/1/2021	1/14/2021	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	1/15/2021	2/11/2021	
Excavators			1
Graders			1
Rubber Tired Dozers			1
Tractors/Loaders/Backhoes			3
Paving	2/12/2021	3/11/2021	
Pavers			2
Paving Equipment			2
Rollers			2
Building Construction	3/12/2021	1/27/2022	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
Architectural Coating	12/31/2021	1/27/2022	
Air Compressors			1
This equipment list is based upon equipment inventory within CALEEMOD 2016.3.2. The quantity and types are based upon assumptions from Projects of similar size and scope in the County of San Diego and the City of Oceanside.			

Operations

Once construction is completed the proposed project would generate air quality and GHG emissions from daily operations which would include sources such as Area, Energy, Mobile, Solid waste and Water uses. The proposed project is expected to be fully operational sometime in 2022 and would generate the first complete year of GHG emissions in 2023. The Project was estimated to generate 475 ADT which includes test drives as identified within the project traffic study (LOS Engineering, 2020). Based on this, it is expected that each customer would consist of one incoming trip and one outgoing trip or up to 237 customers daily.

Modeling

The GHG emissions were calculated using the latest CalEEMod 2016.3.2 air quality model which was developed by Breeze Software for South Coast Air Quality Management District (SCAQMD). The City of Oceanside also recommends the use of CalEEMod 2016.3.2 which utilizes EMFAC 2014 to determine both short and long-term daily air quality emissions as well as GHG estimates. The modeling results are provided as an attachment to this letter.

Construction GHG Findings

The construction GHG emissions as calculated in CalEEMod are reported in pounds per day and are shown in Table 2 below. Total cumulative or combined construction emissions (from 2021 and 2022) are generated prior to operations though will ultimately contribute to yearly emission levels of the Project as a whole. Because of this, it is acceptable to average the total construction emission over a 30-year period (South Coast Air Quality Management District, 2014) which represents an average lifecycle of a project such as CarMax. GHGs related to construction are shown in Table 2. Based on this, it is expected that the 30 year average would be which would be 18.52 MT CO₂e per year.

Table 2: Expected Annual Construction CO₂e Emissions Summary MT/Year

Year	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
2021	0.00	514.14	514.14	0.09	0.00	516.46
2022	0.00	39.03	39.03	0.01	0.00	39.19
Total						555.65
Yearly Average Construction Emissions (MT CO₂e /year over 30 years)						18.52

Operational Air Quality Findings

As previously discussed, operational GHG emissions generated from Area, Energy, Mobile, Solid Waste and Water uses is also calculated within CalEEMod. Operational emissions from the proposed project would also include amortized construction emissions construction emissions from Table 2 above. Based on these findings, combined operational and construction GHG emissions will generate 308.36 Metric Tons of CO₂e each year during a typical operational year as can be seen in Table 3 below. Given this, the project would not exceed the City's 900 MT CO₂e screening threshold and would therefore generate less than significant GHG impacts.

Table 3: Expected Operational Emissions Summary MT/Year

Year	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.01	0.01	0.00	0.00	0.01
Energy	0.00	59.94	59.94	0.00	0.00	60.16
Mobile	0.00	198.90	198.90	0.01	0.00	199.20
Waste	8.88	0.00	8.88	0.52	0.00	22.00
Water	0.34	6.98	7.32	0.04	0.00	8.47
Total Operations						289.84
Total Construction Emissions (Amortized over 30 Years from Table 5.1 above)						18.52
Total Cumulative Operations (Construction + Operations)						308.36
CarMax Customers Per Day						237
Emissions per SP						1.30

Furthermore, since the project would serve up to 237 customers per day, it is reasonable to assume that this would be the service population for the project. Given this, the project would generate roughly 1.3 MT/SP. Since the project would also generate less than 3.5 MT/SP, the project would generate less than significant GHG impacts. Based upon these findings, the proposed project would not generate significant greenhouse gas impacts under CEQA and would therefore not be required to implement any mitigation measures to move forward.

Sincerely Ldn Consulting,

Jeremy Loudon

Attachment: CalEEMod Model Results

References:

City of Oceanside. (2019). *Planning Division Policy Directive 2018-01 (Revised), (CEQA GHG Impact Analysis: Thresholds of Significance)*.
 LOS Engineering. (2020). *CarMax Auto Dealership - Draft Traffic Impact Analysis*.
 South Coast Air Quality Management District. (2014). *Greenhouse Gases CEQA Significance Thresholds*. Retrieved 2014, from <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ghg-significance-thresholds>

CarMax Oceanside - San Diego County, Annual

CarMax Oceanside
San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	476.00	Space	6.00	190,400.00	0
Automobile Care Center	11.45	1000sqft	4.98	11,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Total Area is 10.98 acres
- Construction Phase -
- Grading -
- Architectural Coating - Rule 67 Paint
- Vehicle Trips - Traffic Study indicates 475 ADT... trips rates updated to reflect this trip generation
- Area Coating - Rule 67 Paint
- Construction Off-road Equipment Mitigation - tier 4 mitigation

CarMax Oceanside - San Diego County, Annual

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	230.00
tblGrading	MaterialExported	0.00	10,700.00
tblLandUse	LotAcreage	4.28	6.00
tblLandUse	LotAcreage	0.26	4.98
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblVehicleTrips	ST_TR	23.72	41.48
tblVehicleTrips	SU_TR	11.88	41.48
tblVehicleTrips	WD_TR	23.72	41.48

2.0 Emissions Summary

CarMax Oceanside - San Diego County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	0.9890	0.2820
2	4-1-2021	6-30-2021	0.7564	0.2113
3	7-1-2021	9-30-2021	0.7647	0.2136
4	10-1-2021	12-31-2021	0.7701	0.2185
5	1-1-2022	3-31-2022	0.2966	0.1403
		Highest	0.9890	0.2820

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	0.0654	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003
Energy	7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	59.9376	59.9376	2.2600e-003	5.7000e-004	60.1640
Mobile	0.0902	0.3231	0.7549	2.1500e-003	0.1783	1.8100e-003	0.1801	0.0477	1.6900e-003	0.0494	0.0000	198.8963	198.8963	0.0120	0.0000	199.1969
Waste						0.0000	0.0000		0.0000	0.0000	8.8788	0.0000	8.8788	0.5247	0.0000	21.9969
Water						0.0000	0.0000		0.0000	0.0000	0.3418	6.9812	7.3230	0.0354	8.9000e-004	8.4719
Total	0.1564	0.3297	0.7648	2.1900e-003	0.1783	2.3200e-003	0.1806	0.0477	2.2000e-003	0.0499	9.2206	265.8238	275.0444	0.5744	1.4600e-003	289.8389

CarMax Oceanside - San Diego County, 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	0.0654	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003
Energy	7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	59.9376	59.9376	2.2600e-003	5.7000e-004	60.1640
Mobile	0.0902	0.3231	0.7549	2.1500e-003	0.1783	1.8100e-003	0.1801	0.0477	1.6900e-003	0.0494	0.0000	198.8963	198.8963	0.0120	0.0000	199.1969
Waste						0.0000	0.0000		0.0000	0.0000	8.8788	0.0000	8.8788	0.5247	0.0000	21.9969
Water						0.0000	0.0000		0.0000	0.0000	0.3418	6.9812	7.3230	0.0354	8.9000e-004	8.4719
Total	0.1564	0.3297	0.7648	2.1900e-003	0.1783	2.3200e-003	0.1806	0.0477	2.2000e-003	0.0499	9.2206	265.8238	275.0444	0.5744	1.4600e-003	289.8389

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

3.0 Construction Detail

Construction Phase

CarMax Oceanside - San Diego County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	1/14/2021	5	10	
2	Grading	Grading	1/15/2021	2/11/2021	5	20	
3	Paving	Paving	2/12/2021	3/11/2021	5	20	
4	Building Construction	Building Construction	3/12/2021	1/27/2022	5	230	
5	Architectural Coating	Architectural Coating	12/31/2021	1/27/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 17,175; Non-Residential Outdoor: 5,725; Striped Parking Area: 11,424 (Architectural Coating – sqft)

OffRoad Equipment

CarMax Oceanside - San Diego County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,338.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	84.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CarMax Oceanside - San Diego County, Annual

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	0.0194	0.2025	0.1058	1.9000e-004	0.0903	0.0102	0.1006	0.0497	9.4000e-003	0.0591	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530

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	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309
Total	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309

CarMax Oceanside - San Diego County, Annual

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	2.3300e-003	0.0101	0.1043	1.9000e-004	0.0903	3.1000e-004	0.0906	0.0497	3.1000e-004	0.0500	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530

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	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309
Total	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309

CarMax Oceanside - San Diego County, Annual

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0663	0.0000	0.0663	0.0338	0.0000	0.0338	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0663	0.0116	0.0779	0.0338	0.0107	0.0445	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644

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	5.0200e-003	0.1747	0.0431	5.1000e-004	0.0115	5.3000e-004	0.0120	3.1400e-003	5.1000e-004	3.6500e-003	0.0000	50.9525	50.9525	4.6000e-003	0.0000	51.0674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515
Total	5.5400e-003	0.1751	0.0469	5.2000e-004	0.0127	5.4000e-004	0.0132	3.4600e-003	5.2000e-004	3.9800e-003	0.0000	52.0032	52.0032	4.6300e-003	0.0000	52.1190

CarMax Oceanside - San Diego County, Annual

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0663	0.0000	0.0663	0.0338	0.0000	0.0338	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6300e-003	0.0157	0.1775	3.0000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	3.6300e-003	0.0157	0.1775	3.0000e-004	0.0663	4.8000e-004	0.0668	0.0338	4.8000e-004	0.0343	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643

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	5.0200e-003	0.1747	0.0431	5.1000e-004	0.0115	5.3000e-004	0.0120	3.1400e-003	5.1000e-004	3.6500e-003	0.0000	50.9525	50.9525	4.6000e-003	0.0000	51.0674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515
Total	5.5400e-003	0.1751	0.0469	5.2000e-004	0.0127	5.4000e-004	0.0132	3.4600e-003	5.2000e-004	3.9800e-003	0.0000	52.0032	52.0032	4.6300e-003	0.0000	52.1190

CarMax Oceanside - San Diego County, Annual

3.4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	7.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0204	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515
Total	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515

CarMax Oceanside - San Diego County, Annual

3.4 Paving - 2021

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	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	7.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0107	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515
Total	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515

CarMax Oceanside - San Diego County, Annual

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2006	1.8391	1.7487	2.8400e-003		0.1011	0.1011		0.0951	0.0951	0.0000	244.3773	244.3773	0.0590	0.0000	245.8513
Total	0.2006	1.8391	1.7487	2.8400e-003		0.1011	0.1011		0.0951	0.0951	0.0000	244.3773	244.3773	0.0590	0.0000	245.8513

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	0.0108	0.3578	0.0954	9.3000e-004	0.0231	7.6000e-004	0.0239	6.6700e-003	7.2000e-004	7.4000e-003	0.0000	91.0204	91.0204	6.7600e-003	0.0000	91.1892
Worker	0.0308	0.0220	0.2214	6.9000e-004	0.0711	5.0000e-004	0.0716	0.0189	4.6000e-004	0.0194	0.0000	62.0803	62.0803	1.7800e-003	0.0000	62.1248
Total	0.0416	0.3798	0.3168	1.6200e-003	0.0942	1.2600e-003	0.0954	0.0256	1.1800e-003	0.0268	0.0000	153.1007	153.1007	8.5400e-003	0.0000	153.3140

CarMax Oceanside - San Diego County, Annual

3.5 Building Construction - 2021

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	0.0346	0.2358	1.8421	2.8400e-003		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	244.3770	244.3770	0.0590	0.0000	245.8510
Total	0.0346	0.2358	1.8421	2.8400e-003		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	244.3770	244.3770	0.0590	0.0000	245.8510

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	0.0108	0.3578	0.0954	9.3000e-004	0.0231	7.6000e-004	0.0239	6.6700e-003	7.2000e-004	7.4000e-003	0.0000	91.0204	91.0204	6.7600e-003	0.0000	91.1892
Worker	0.0308	0.0220	0.2214	6.9000e-004	0.0711	5.0000e-004	0.0716	0.0189	4.6000e-004	0.0194	0.0000	62.0803	62.0803	1.7800e-003	0.0000	62.1248
Total	0.0416	0.3798	0.3168	1.6200e-003	0.0942	1.2600e-003	0.0954	0.0256	1.1800e-003	0.0268	0.0000	153.1007	153.1007	8.5400e-003	0.0000	153.3140

CarMax Oceanside - San Diego County, Annual

3.5 Building Construction - 2022

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	0.0162	0.1484	0.1555	2.6000e-004		7.6900e-003	7.6900e-003		7.2300e-003	7.2300e-003	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1458
Total	0.0162	0.1484	0.1555	2.6000e-004		7.6900e-003	7.6900e-003		7.2300e-003	7.2300e-003	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1458

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	9.0000e-004	0.0304	8.1300e-003	8.0000e-005	2.0800e-003	6.0000e-005	2.1400e-003	6.0000e-004	6.0000e-005	6.6000e-004	0.0000	8.1185	8.1185	5.9000e-004	0.0000	8.1333
Worker	2.6300e-003	1.8000e-003	0.0185	6.0000e-005	6.4000e-003	4.0000e-005	6.4400e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.3853	5.3853	1.5000e-004	0.0000	5.3889
Total	3.5300e-003	0.0322	0.0266	1.4000e-004	8.4800e-003	1.0000e-004	8.5800e-003	2.3000e-003	1.0000e-004	2.4000e-003	0.0000	13.5038	13.5038	7.4000e-004	0.0000	13.5222

CarMax Oceanside - San Diego County, Annual

3.5 Building Construction - 2022

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	3.1100e-003	0.0212	0.1659	2.6000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1457
Total	3.1100e-003	0.0212	0.1659	2.6000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	22.0139	22.0139	5.2700e-003	0.0000	22.1457

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	9.0000e-004	0.0304	8.1300e-003	8.0000e-005	2.0800e-003	6.0000e-005	2.1400e-003	6.0000e-004	6.0000e-005	6.6000e-004	0.0000	8.1185	8.1185	5.9000e-004	0.0000	8.1333
Worker	2.6300e-003	1.8000e-003	0.0185	6.0000e-005	6.4000e-003	4.0000e-005	6.4400e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.3853	5.3853	1.5000e-004	0.0000	5.3889
Total	3.5300e-003	0.0322	0.0266	1.4000e-004	8.4800e-003	1.0000e-004	8.5800e-003	2.3000e-003	1.0000e-004	2.4000e-003	0.0000	13.5038	13.5038	7.4000e-004	0.0000	13.5222

CarMax Oceanside - San Diego County, Annual

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1000e-004	7.6000e-004	9.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1279
Total	4.0900e-003	7.6000e-004	9.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1279

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	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0595	0.0595	0.0000	0.0000	0.0596
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0595	0.0595	0.0000	0.0000	0.0596

CarMax Oceanside - San Diego County, Annual

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9800e-003						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-005	6.0000e-005	9.2000e-004	0.0000			0.0000	0.0000		0.0000	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1279
Total	3.9900e-003	6.0000e-005	9.2000e-004	0.0000			0.0000	0.0000		0.0000	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1279

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	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0595	0.0595	0.0000	0.0000	0.0596
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0595	0.0595	0.0000	0.0000	0.0596

CarMax Oceanside - San Diego County, Annual

3.6 Architectural Coating - 2022

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	0.0756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9400e-003	0.0134	0.0172	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295
Total	0.0775	0.0134	0.0172	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0899	1.0899	3.0000e-005	0.0000	1.0906
Total	5.3000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0899	1.0899	3.0000e-005	0.0000	1.0906

CarMax Oceanside - San Diego County, Annual

3.6 Architectural Coating - 2022

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	0.0756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-004	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295
Total	0.0759	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0899	1.0899	3.0000e-005	0.0000	1.0906
Total	5.3000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0899	1.0899	3.0000e-005	0.0000	1.0906

4.0 Operational Detail - Mobile

CarMax Oceanside - San Diego County, 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	0.0902	0.3231	0.7549	2.1500e-003	0.1783	1.8100e-003	0.1801	0.0477	1.6900e-003	0.0494	0.0000	198.8963	198.8963	0.0120	0.0000	199.1969
Unmitigated	0.0902	0.3231	0.7549	2.1500e-003	0.1783	1.8100e-003	0.1801	0.0477	1.6900e-003	0.0494	0.0000	198.8963	198.8963	0.0120	0.0000	199.1969

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	474.95	474.95	474.95	473,135	473,135
Parking Lot	0.00	0.00	0.00		
Total	474.95	474.95	474.95	473,135	473,135

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
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

CarMax Oceanside - San Diego County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	52.8742	52.8742	2.1300e-003	4.4000e-004	53.0587
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	52.8742	52.8742	2.1300e-003	4.4000e-004	53.0587
NaturalGas Mitigated	7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0633	7.0633	1.4000e-004	1.3000e-004	7.1053
NaturalGas Unmitigated	7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0633	7.0633	1.4000e-004	1.3000e-004	7.1053

CarMax Oceanside - San Diego County, 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					
Automobile Care Center	132362	7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0633	7.0633	1.4000e-004	1.3000e-004	7.1053
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		7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0633	7.0633	1.4000e-004	1.3000e-004	7.1053

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					
Automobile Care Center	132362	7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0633	7.0633	1.4000e-004	1.3000e-004	7.1053
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		7.1000e-004	6.4900e-003	5.4500e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0633	7.0633	1.4000e-004	1.3000e-004	7.1053

CarMax Oceanside - San Diego County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	95149.5	31.0957	1.2500e-003	2.6000e-004	31.2042
Parking Lot	66640	21.7785	8.8000e-004	1.8000e-004	21.8545
Total		52.8742	2.1300e-003	4.4000e-004	53.0587

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	95149.5	31.0957	1.2500e-003	2.6000e-004	31.2042
Parking Lot	66640	21.7785	8.8000e-004	1.8000e-004	21.8545
Total		52.8742	2.1300e-003	4.4000e-004	53.0587

6.0 Area Detail

6.1 Mitigation Measures Area

CarMax Oceanside - San Diego County, 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	0.0654	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003
Unmitigated	0.0654	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-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	7.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0570					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003
Total	0.0654	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003

CarMax Oceanside - San Diego County, 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	7.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0570					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003
Total	0.0654	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.7100e-003	8.7100e-003	2.0000e-005	0.0000	9.2800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

CarMax Oceanside - San Diego County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.3230	0.0354	8.9000e-004	8.4719
Unmitigated	7.3230	0.0354	8.9000e-004	8.4719

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	1.07723 / 0.660237	7.3230	0.0354	8.9000e-004	8.4719
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.3230	0.0354	8.9000e-004	8.4719

CarMax Oceanside - San Diego County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	1.07723 / 0.660237	7.3230	0.0354	8.9000e-004	8.4719
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.3230	0.0354	8.9000e-004	8.4719

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.8788	0.5247	0.0000	21.9969
Unmitigated	8.8788	0.5247	0.0000	21.9969

CarMax Oceanside - San Diego County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	43.74	8.8788	0.5247	0.0000	21.9969
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		8.8788	0.5247	0.0000	21.9969

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	43.74	8.8788	0.5247	0.0000	21.9969
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		8.8788	0.5247	0.0000	21.9969

9.0 Operational Offroad

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

CarMax Oceanside - San Diego County, 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
