

Ldn Consulting, Inc.

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

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

October 9, 2020

Steve Rawlings
Rawlings Consulting
26023 Jefferson Ave., Suite D
Murrieta, CA 92562

RE: Alliance Propane and RV Storage Lot Greenhouse Gas Assessment – City of Murrieta

The purpose of this Greenhouse Gas (GHG) letter is to identify any impacts, if any, which may be created from the construction and operation of the proposed Commercial development. The Project proposes to construct a 312 space Recreational Vehicle (RV) and boat storage on a 5.74-acre parcel & a propane distribution facility on a 1.15-acre parcel. Additionally, the project would construct a roughly 1,200 square foot (SF) operations building onsite. The project site is zoned business park and has a general guidance for allowable floor area ratio's (FAR) to be up to 0.4.

Operations of the project would consist of daily propane delivery activities both to and from site. The Project site located on a vacant lot south of the Murrieta Valley Pony Baseball field on the east side of Adams Avenue between Fig and Elm street in the City of Murrieta.

The proposed project, at full buildout, would generate roughly 84 trips per day of which 56 would be from the RV storage area. The propane facility would generate 24 truck trips and 4 employee trips per day (Infrastructure Group, Inc., 2020).

City of Murrieta Thresholds of Significance

The City of Murrieta is within the South Coast Air Basin managed by the South Coast Air Quality Management District (SCAQMD). Guideline for determining significance within SCAQMD has not been firmly established however, industry standards within the district has followed Tier 3 screening standards and Tier 4 Performance standards as the baseline for significance thresholds (SCAQMD, 2008). Under this methodology, Tier 3 screening values are established for industrial, residential and combined project types which are 10,000 MT/year CO₂e for industrial projects, 3,500 MT/year CO₂e for residential projects and 3,000 MT/year CO₂e for mixed use projects.

The City of Murrieta, as part of the recently adopted General Plan update, has prepared a Climate Action Plan (CAP). The purpose of the CAP is to address the main sources of emissions

that contribute to global climate change. (City of Murrieta, 2020). The CAP establishes a reduction target of 40% below year 2016 emissions by 2030 and a 40% reduction of 2016 emissions by 2035. As part of city's CAP, a consistency checklist was prepared allowing for a streamlined review process for proposed new development projects subject to environmental review pursuant to the California Environmental Quality Act (CEQA) (City of Murrieta, 2020).

The proposed commercial project would be completed and operational in 2021. Under the CAP commercial projects constructed prior to 2025 would not be allowed to follow the CAP checklist and would be required to quantify emissions. Furthermore, it should be noted the CAP does not specify specific development screening thresholds.

Since the CAP was written to be consistent with state and regional regulations and since the City does not have specific regional screening thresholds it would be appropriate to use the regional SCAQMD screening thresholds above. The project is located within the Business Park zoning designation which has a FAR 0.4 under the General Plan. Based on this, the project zoning would allow for an industrial/commercial use with up to 120,000 SF with parking. The proposed project consists of an RV and Boat storage lot and a propane distribution facility with a 1,200 SF office are. The project would therefore best fit the industrial use screening threshold of 10,000 MT/year CO₂e.

Additionally, it should be noted that a business park use with 120,000 SF facility would generate significantly more energy than the smaller use proposed. This would in effect reduce the City's GHG emissions per the CAP which uses land use designations to derive GHG inventories.

Construction CO₂e Emissions Calculation Methodology

GHG impacts related to construction and daily operations were calculated using the latest CalEEMod air quality model, which was developed by Breeze Software for South Coast Air Quality Management District (SCAQMD) in 2017. The City of Murrieta recognizes the CalEEMod 2016.3.2 as the model of choice for projects of this nature.

The Construction of the Project would be within a 6.89 Acre project site. The proposed construction schedule and construction equipment list is identified in Table 1 on the following page. It should be noted that construction equipment is typically Tier 4 as defined by the U.S. EPA however for purposes of this analysis it was assumed that equipment is Tier 3 or better.

Utilizing the CalEEMod inputs for the model, we find that grading and construction of the project will produce approximately 145.68 Metric Tons of CO₂e over the construction life of the project. Given the fact that the total emissions will ultimately contribute to yearly emission levels, it is acceptable to average the total construction emissions over a 30 year period (SCAQMD, 2008). This would equate to 4.86 MT per year as shown in Table 2.

Table 1: Proposed Construction Phase and Duration

Equipment Identification	Proposed Start	Proposed Completion	Quantity
Site Preparation	01/01/2021	01/14/2021	
Rubber Tired Dozers			1
Tractors/Loaders/Backhoes			4
Grading	01/15/2021	02/11/2021	
Graders			1
Rubber Tired Dozers			1
Tractors/Loaders/Backhoes			3
Paving	02/12/2021	03/25/2021	
Pavers			2
Paving Equipment			2
Rollers			2
Building Construction	03/26/2021	05/27/2021	
Generator Sets			1
Rough Terrain Forklifts			1
Tractors/Loaders/Backhoes			2
Welders			1
Architectural Coating	05/14/2021	05/27/2021	
This equipment list is based upon equipment inventory and estimates within CalEEMod 2016.3.2.			

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

Year	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
2021	0.00	144.96	144.96	0.03	0.00	145.68
Yearly Average Construction Emissions (Metric Tons/year over 30 years)						4.86
Expected Construction emissions are based upon CalEEMod modeling assumptions for equipment and durations.						

Operational CO₂e Emissions Calculation Methodology

The proposed project, at full buildout, would generate roughly 84 trips per day of which 56 would be from the RV storage area. The propane facility would generate 24 truck trips and 4 employee trips per day. CalEEMod 2016.3.2 was used to determine operational emissions and is provided as **Attachment A** to this letter.

GHG emissions generated from Area, Energy, Solid Waste and Water uses are also calculated within CalEEMod. The program is largely based on default settings which are automatically populated throughout the model based on the imputed land use. Table 3 shows the operational

emissions. In addition, since construction emission ultimately contribute to the total project GHG emissions, they have been included. Based on this information, the project would generate only 66.42 MT GHG per year.

Table 3: Expected Operational Emissions Summary MT/Year

Year	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	33.84	33.84	0.00	0.00	33.97
Mobile	0.00	25.30	25.30	0.00	0.00	25.30
Waste	0.30	0.00	0.30	0.02	0.00	0.75
Water	0.09	1.15	1.24	0.01	0.00	1.53
Amortized Construction Emissions (Table 2 above)						4.86
Total Operations						66.42
Expected Construction emissions are based upon CalEEMod modeling assumptions for equipment and durations listed in Table 1 above. Data is presented in decimal format and may have rounding errors.						

Findings

The proposed nonresidential use would be constructed prior to 2025. Under the CAP, the CAP consistency checklist could not be utilized for the City’s streamlined approval approach. The proposed project would construct an RV and boat storage area along with a propane distribution facility. The project would generate a relatively small number of trips as identified above. GHG emissions should be expected to be low. Based on the CalEEMod outputs, the project would be expected to generate roughly 66 MT CO₂e. Given this, the operational emissions would be significantly less than the 10,000 MT CO₂e SCAQMD Screening Threshold and would therefore generate a less than significant GHG impact.

Also, it should be noted that the project would be consistent with the City’s General Plan. The project site zoning would allow for a FAR up to 0.4 or a use which could consist of a facility 120,000 SF in size. Based on scale and magnitude, a project of 120,000 SF would ultimately generate far more GHG emissions than proposed.

Will the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

The proposed project would generate approximately 66 MT of CO₂e each year which is less than the acceptable 10,000 MT CO₂e industrial screening threshold in the region. Since emissions do

Steve Rawlings
Rawlings Consulting
26023 Jefferson Ave., Suite D
Murrieta, CA 92562

Ldn Consulting, Inc.
42428 Chisolm Trail, Murrieta CA 92562
phone 760-473-1253
Fax 760-689-4943

not exceed 10,000 MT CO₂e, there would be neither direct nor indirect impacts under CEQA. Therefore, the project would not require further analysis or mitigation.

Will the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

The proposed project will emit GHGs directly through the burning of carbon-based fuels such as gasoline and natural gas as well as indirectly through usage of electricity, water and from the anaerobic bacterial breakdown of organic solid waste. The project would only produce 66 MT CO₂e metric tons per year. Given this the project contributions to the cumulative environment are small and would be considered to have a less than significant impact on the cumulative greenhouse gas inventory.

Additionally, the project would be consistent with the City's General Plan which would allow for up to 120,000 SF of buildable area on the 6.89-acre project site. The Project would construct a 1,200 SF office onsite and would only generate 84 daily trips which would be much smaller than the General Plan allows. Also, the CAP which utilized land use designations for GHG inventories would have accounted for these emissions. Since the project would produce fewer GHG emissions than was assumed with the CAP to the General Plan, the project would not conflict with the General Plan. Therefore, the project would not require further analysis or mitigation to comply.

Given this, the project would be considered to generate less than significant GHG emissions. If you have any questions, please do not hesitate to contact me directly at (760) 473-1253.

Sincerely,
Ldn Consulting, Inc.



Jeremy Loudon

Sources:

City of Murrieta. (2020). *City of Murrieta Climate Action Plan Update*. Murrieta. Retrieved from <http://www.murrieta.org/civica/filebank/blobdload.asp?BlobID=5253>

Steve Rawlings
Rawlings Consulting
26023 Jefferson Ave., Suite D
Murrieta, CA 92562

Ldn Consulting, Inc.

*42428 Chisolm Trail, Murrieta CA 92562
phone 760-473-1253
Fax 760-689-4943*

City of Murrieta. (2020). *CLIMATE ACTION PLAN CONSISTENCY CHECKLIST INTRODUCTION*. Retrieved from <https://www.murrietaca.gov/DocumentCenter/View/3468/Appendix-J-App-C-CAP-Consistency-Checklist>

Infrastructure Group, Inc. (2020). *Adams 10 R.V. Storage & Propane Trip Generation Letter*.

SCAQMD. (2008). Retrieved 2018, from [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-6/ghg-meeting-6-guidance-document-discussion.pdf](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-6/ghg-meeting-6-guidance-document-discussion.pdf)

SCAQMD. (2008). *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans*. SCAQMD. Retrieved from [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2)

Attachment A: CalEEMod Model Results

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

**Alliance Propane Murrieta & RV Storage
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	5.74	Acre	5.74	250,034.40	0
General Light Industry	1.20	1000sqft	1.15	1,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - 1,200 Customer Office Area
 Construction Phase - Estimated Construction Schedule
 Off-road Equipment - ce
 Off-road Equipment -
 Off-road Equipment - e
 Fleet Mix - Per TS LDT1 is employee Trip, LHD2 is Tender Truck, MHD is Propane Supply Truck
 Construction Off-road Equipment Mitigation - Tier3 or better equipment

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	45.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	12/27/2021	5/27/2021
tblConstructionPhase	PhaseEndDate	11/1/2021	5/27/2021
tblConstructionPhase	PhaseEndDate	12/14/2020	2/11/2021

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

tblConstructionPhase	PhaseEndDate	11/29/2021	3/25/2021
tblConstructionPhase	PhaseEndDate	11/16/2020	1/14/2021
tblConstructionPhase	PhaseStartDate	11/30/2021	5/14/2021
tblConstructionPhase	PhaseStartDate	12/15/2020	3/26/2021
tblConstructionPhase	PhaseStartDate	11/17/2020	1/15/2021
tblConstructionPhase	PhaseStartDate	11/2/2021	2/12/2021
tblConstructionPhase	PhaseStartDate	11/3/2020	1/1/2021
tblFleetMix	HHD	0.07	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.14
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.9700e-003	0.14
tblFleetMix	MCY	4.5470e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.6500e-004	0.00
tblFleetMix	MHD	0.02	0.72
tblFleetMix	OBUS	1.3970e-003	0.00
tblFleetMix	SBUS	9.3200e-004	0.00
tblFleetMix	UBUS	1.1600e-003	0.00
tblLandUse	LotAcreage	0.03	1.15
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

2.0 Emissions Summary

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-6-2020	1-5-2021	0.0365	0.0207
2	1-6-2021	4-5-2021	0.5954	0.4132
3	4-6-2021	7-5-2021	0.3359	0.3232
		Highest	0.5954	0.4132

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	0.0245	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004
Energy	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	33.8446	33.8446	1.3500e-003	3.1000e-004	33.9706
Mobile	2.2000e-003	0.0490	0.0251	2.7000e-004	0.0129	2.0000e-004	0.0131	3.7900e-003	1.9000e-004	3.9700e-003	0.0000	25.2981	25.2981	2.4000e-004	0.0000	25.3041
Waste						0.0000	0.0000		0.0000	0.0000	0.3025	0.0000	0.3025	0.0179	0.0000	0.7493
Water						0.0000	0.0000		0.0000	0.0000	0.0880	1.1513	1.2393	9.0900e-003	2.2000e-004	1.5331
Total	0.0270	0.0510	0.0268	2.8000e-004	0.0129	3.5000e-004	0.0132	3.7900e-003	3.4000e-004	4.1200e-003	0.3905	60.2941	60.6846	0.0286	5.3000e-004	61.5573

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	0.0245	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004
Energy	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	33.8446	33.8446	1.3500e-003	3.1000e-004	33.9706
Mobile	2.2000e-003	0.0490	0.0251	2.7000e-004	0.0129	2.0000e-004	0.0131	3.7900e-003	1.9000e-004	3.9700e-003	0.0000	25.2981	25.2981	2.4000e-004	0.0000	25.3041
Waste						0.0000	0.0000		0.0000	0.0000	0.3025	0.0000	0.3025	0.0179	0.0000	0.7493
Water						0.0000	0.0000		0.0000	0.0000	0.0880	1.1513	1.2393	9.0900e-003	2.2000e-004	1.5331
Total	0.0270	0.0510	0.0268	2.8000e-004	0.0129	3.5000e-004	0.0132	3.7900e-003	3.4000e-004	4.1200e-003	0.3905	60.2941	60.6846	0.0286	5.3000e-004	61.5573

	ROG	NOx	CO	SO2	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

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	Building Construction	Building Construction	3/26/2021	5/27/2021	5	45	
4	Paving	Paving	2/12/2021	3/25/2021	5	30	
5	Architectural Coating	Architectural Coating	5/14/2021	5/27/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.74

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,800; Non-Residential Outdoor: 600; Striped Parking Area: 15,002 (Architectural Coating – sqft)

OffRoad Equipment

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
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
Site Preparation	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	106.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

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					0.0301	0.0000	0.0301	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9800e-003	0.0928	0.0654	1.0000e-004		4.9000e-003	4.9000e-003		4.5100e-003	4.5100e-003	0.0000	9.2123	9.2123	2.9800e-003	0.0000	9.2867
Total	8.9800e-003	0.0928	0.0654	1.0000e-004	0.0301	4.9000e-003	0.0350	0.0166	4.5100e-003	0.0211	0.0000	9.2123	9.2123	2.9800e-003	0.0000	9.2867

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	2.8000e-004	1.9000e-004	2.0500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5778	0.5778	1.0000e-005	0.0000	0.5781
Total	2.8000e-004	1.9000e-004	2.0500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5778	0.5778	1.0000e-005	0.0000	0.5781

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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					0.0301	0.0000	0.0301	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0549	0.0695	1.0000e-004		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003	0.0000	9.2122	9.2122	2.9800e-003	0.0000	9.2867
Total	2.5600e-003	0.0549	0.0695	1.0000e-004	0.0301	3.2000e-003	0.0333	0.0166	3.2000e-003	0.0198	0.0000	9.2122	9.2122	2.9800e-003	0.0000	9.2867

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	2.8000e-004	1.9000e-004	2.0500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5778	0.5778	1.0000e-005	0.0000	0.5781
Total	2.8000e-004	1.9000e-004	2.0500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5778	0.5778	1.0000e-005	0.0000	0.5781

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0206	0.2258	0.1259	2.4000e-004		0.0106	0.0106		9.7100e-003	9.7100e-003	0.0000	21.5160	21.5160	6.9600e-003	0.0000	21.6900
Total	0.0206	0.2258	0.1259	2.4000e-004	0.0655	0.0106	0.0761	0.0337	9.7100e-003	0.0434	0.0000	21.5160	21.5160	6.9600e-003	0.0000	21.6900

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	5.6000e-004	3.8000e-004	4.0900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1555	1.1555	3.0000e-005	0.0000	1.1562
Total	5.6000e-004	3.8000e-004	4.0900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1555	1.1555	3.0000e-005	0.0000	1.1562

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9900e-003	0.1238	0.1507	2.4000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	21.5160	21.5160	6.9600e-003	0.0000	21.6900
Total	5.9900e-003	0.1238	0.1507	2.4000e-004	0.0655	6.3700e-003	0.0719	0.0337	6.3700e-003	0.0400	0.0000	21.5160	21.5160	6.9600e-003	0.0000	21.6900

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	5.6000e-004	3.8000e-004	4.0900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1555	1.1555	3.0000e-005	0.0000	1.1562
Total	5.6000e-004	3.8000e-004	4.0900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1555	1.1555	3.0000e-005	0.0000	1.1562

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

3.4 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	0.0250	0.2163	0.2625	4.1000e-004		0.0113	0.0113		0.0108	0.0108	0.0000	34.5473	34.5473	6.8900e-003	0.0000	34.7195
Total	0.0250	0.2163	0.2625	4.1000e-004		0.0113	0.0113		0.0108	0.0108	0.0000	34.5473	34.5473	6.8900e-003	0.0000	34.7195

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	2.2000e-003	0.0860	0.0166	2.4000e-004	5.8300e-003	1.6000e-004	5.9900e-003	1.6800e-003	1.6000e-004	1.8400e-003	0.0000	22.5065	22.5065	1.7200e-003	0.0000	22.5495
Worker	0.0102	6.8900e-003	0.0751	2.3000e-004	0.0262	1.6000e-004	0.0264	6.9600e-003	1.4000e-004	7.1100e-003	0.0000	21.1990	21.1990	4.9000e-004	0.0000	21.2113
Total	0.0124	0.0929	0.0916	4.7000e-004	0.0320	3.2000e-004	0.0324	8.6400e-003	3.0000e-004	8.9500e-003	0.0000	43.7055	43.7055	2.2100e-003	0.0000	43.7608

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

3.4 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	0.0103	0.2176	0.2762	4.1000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	34.5472	34.5472	6.8900e-003	0.0000	34.7195
Total	0.0103	0.2176	0.2762	4.1000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	34.5472	34.5472	6.8900e-003	0.0000	34.7195

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	2.2000e-003	0.0860	0.0166	2.4000e-004	5.8300e-003	1.6000e-004	5.9900e-003	1.6800e-003	1.6000e-004	1.8400e-003	0.0000	22.5065	22.5065	1.7200e-003	0.0000	22.5495
Worker	0.0102	6.8900e-003	0.0751	2.3000e-004	0.0262	1.6000e-004	0.0264	6.9600e-003	1.4000e-004	7.1100e-003	0.0000	21.1990	21.1990	4.9000e-004	0.0000	21.2113
Total	0.0124	0.0929	0.0916	4.7000e-004	0.0320	3.2000e-004	0.0324	8.6400e-003	3.0000e-004	8.9500e-003	0.0000	43.7055	43.7055	2.2100e-003	0.0000	43.7608

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

3.5 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	0.0188	0.1938	0.2198	3.4000e-004		0.0102	0.0102		9.3500e-003	9.3500e-003	0.0000	30.0352	30.0352	9.7100e-003	0.0000	30.2781
Paving	7.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0264	0.1938	0.2198	3.4000e-004		0.0102	0.0102		9.3500e-003	9.3500e-003	0.0000	30.0352	30.0352	9.7100e-003	0.0000	30.2781

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	9.6000e-004	6.5000e-004	7.0800e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9999	1.9999	5.0000e-005	0.0000	2.0011
Total	9.6000e-004	6.5000e-004	7.0800e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9999	1.9999	5.0000e-005	0.0000	2.0011

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

3.5 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	8.4100e-003	0.1694	0.2594	3.4000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	30.0352	30.0352	9.7100e-003	0.0000	30.2780
Paving	7.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1694	0.2594	3.4000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	30.0352	30.0352	9.7100e-003	0.0000	30.2780

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	9.6000e-004	6.5000e-004	7.0800e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9999	1.9999	5.0000e-005	0.0000	2.0011
Total	9.6000e-004	6.5000e-004	7.0800e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9999	1.9999	5.0000e-005	0.0000	2.0011

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	0.0403						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	0.0414	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.0000e-004	3.3100e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9333	0.9333	2.0000e-005	0.0000	0.9338
Total	4.5000e-004	3.0000e-004	3.3100e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9333	0.9333	2.0000e-005	0.0000	0.9338

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	0.0403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	0.0406	6.7800e-003	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.0000e-004	3.3100e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9333	0.9333	2.0000e-005	0.0000	0.9338
Total	4.5000e-004	3.0000e-004	3.3100e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9333	0.9333	2.0000e-005	0.0000	0.9338

4.0 Operational Detail - Mobile

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	2.2000e-003	0.0490	0.0251	2.7000e-004	0.0129	2.0000e-004	0.0131	3.7900e-003	1.9000e-004	3.9700e-003	0.0000	25.2981	25.2981	2.4000e-004	0.0000	25.3041
Unmitigated	2.2000e-003	0.0490	0.0251	2.7000e-004	0.0129	2.0000e-004	0.0131	3.7900e-003	1.9000e-004	3.9700e-003	0.0000	25.2981	25.2981	2.4000e-004	0.0000	25.3041

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
General Light Industry	8.36	1.58	0.82	27,974	27,974
Total	8.36	1.58	0.82	27,974	27,974

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
General Light Industry	0.000000	0.140000	0.000000	0.000000	0.000000	0.140000	0.720000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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	31.7640	31.7640	1.3100e-003	2.7000e-004	31.8777
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.7640	31.7640	1.3100e-003	2.7000e-004	31.8777
NaturalGas Mitigated	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0806	2.0806	4.0000e-005	4.0000e-005	2.0929
NaturalGas Unmitigated	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0806	2.0806	4.0000e-005	4.0000e-005	2.0929

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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					
General Light Industry	38988	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0806	2.0806	4.0000e-005	4.0000e-005	2.0929
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		2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0806	2.0806	4.0000e-005	4.0000e-005	2.0929

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	38988	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0806	2.0806	4.0000e-005	4.0000e-005	2.0929
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		2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0806	2.0806	4.0000e-005	4.0000e-005	2.0929

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, 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	12180	3.8808	1.6000e-004	3.0000e-005	3.8947
Parking Lot	87512	27.8832	1.1500e-003	2.4000e-004	27.9830
Total		31.7640	1.3100e-003	2.7000e-004	31.8777

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	12180	3.8808	1.6000e-004	3.0000e-005	3.8947
Parking Lot	87512	27.8832	1.1500e-003	2.4000e-004	27.9830
Total		31.7640	1.3100e-003	2.7000e-004	31.8777

6.0 Area Detail

6.1 Mitigation Measures Area

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	0.0245	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004
Unmitigated	0.0245	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-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	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0205					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004
Total	0.0245	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0205					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004
Total	0.0245	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.2393	9.0900e-003	2.2000e-004	1.5331
Unmitigated	1.2393	9.0900e-003	2.2000e-004	1.5331

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.2775 / 0	1.2393	9.0900e-003	2.2000e-004	1.5331
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.2393	9.0900e-003	2.2000e-004	1.5331

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.2775 / 0	1.2393	9.0900e-003	2.2000e-004	1.5331
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.2393	9.0900e-003	2.2000e-004	1.5331

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3025	0.0179	0.0000	0.7493
Unmitigated	0.3025	0.0179	0.0000	0.7493

Alliance Propane Murrieta & RV Storage - Riverside-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.3025	0.0179	0.0000	0.7493

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.3025	0.0179	0.0000	0.7493

9.0 Operational Offroad

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

Alliance Propane Murrieta & RV Storage - Riverside-South Coast 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
