

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

OASIS Ctr 206.3.2 101717
Santa Barbara-North of Santa Ynez County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	15.33	1000sqft	0.35	15,330.00	0
Other Non-Asphalt Surfaces	26.50	1000sqft	0.61	26,500.00	0
Parking Lot	28.20	1000sqft	0.65	28,200.00	300

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.1	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

Project Characteristics -

Land Use - Meeting Center for seniors rentals/events. Used footprint for lot ac, per CalEEMod User Guide p 19 & separated paved vs gravel parking. 300 max attendees proposed

Construction Phase - Project specific estimate of workdays

Vehicle Trips - WkDy trip rate based on ITE Code 495 instead of 492 (although very similar)

Solid Waste - Unmitigated operational tons/yr (based on calcs in project ND)

Land Use Change - Based on sheet G1.0 open space stats

Energy Mitigation - solar panels on roof

Water Mitigation - may be more than 20% but conservative: drought tolerant native plants, drip irrigation, grey water (collect rain water for lanscape irrigation), bioswales, approx 1/2 parking area permeable surface

Waste Mitigation - recycle std paper/metal/glass also landscape material

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	151.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	4.00	55.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	PhaseEndDate	9/25/2018	5/15/2019
tblConstructionPhase	PhaseEndDate	8/28/2018	4/1/2019
tblConstructionPhase	PhaseEndDate	11/13/2017	6/1/2018
tblConstructionPhase	PhaseEndDate	11/21/2017	9/1/2018
tblConstructionPhase	PhaseEndDate	9/11/2018	4/15/2019
tblConstructionPhase	PhaseEndDate	11/15/2017	6/15/2018
tblConstructionPhase	PhaseStartDate	9/12/2018	4/16/2019
tblConstructionPhase	PhaseStartDate	11/22/2017	9/2/2018
tblConstructionPhase	PhaseStartDate	10/17/2017	6/1/2018
tblConstructionPhase	PhaseStartDate	11/16/2017	6/16/2018
tblConstructionPhase	PhaseStartDate	8/29/2018	4/2/2019
tblConstructionPhase	PhaseStartDate	11/14/2017	6/2/2018
tblGrading	AcresOfGrading	20.63	1.50
tblGrading	AcresOfGrading	5.00	1.00
tblLandUse	Population	0.00	300.00
tblSolidWaste	SolidWasteGenerationRate	87.38	15.33
tblVehicleTrips	WD_TR	32.93	33.82

2.0 Emissions Summary

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	4-17-2018	7-16-2018	0.3288	0.3288
4	7-17-2018	10-16-2018	0.6611	0.6611
5	10-17-2018	1-16-2019	0.7025	0.7025
6	1-17-2019	4-16-2019	0.5899	0.5899
7	4-17-2019	7-16-2019	0.2073	0.2073
		Highest	0.7025	0.7025

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	0.0831	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003
Energy	2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	61.2888	61.2888	2.2100e-003	7.7000e-004	61.5726
Mobile	0.1673	0.5395	1.5531	2.9000e-003	0.2379	4.2500e-003	0.2422	0.0640	4.0100e-003	0.0680	0.0000	265.8153	265.8153	0.0164	0.0000	266.2247
Waste						0.0000	0.0000		0.0000	0.0000	3.1835	0.0000	3.1835	0.1579	0.0000	7.1299
Water						0.0000	0.0000		0.0000	0.0000	0.3208	1.9930	2.3138	1.1900e-003	7.2000e-004	2.5571
Total	0.2526	0.5593	1.5704	3.0200e-003	0.2379	5.7600e-003	0.2437	0.0640	5.5200e-003	0.0695	3.5043	329.0984	332.6026	0.1776	1.4900e-003	337.4857

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez 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	0.0831	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003
Energy	2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	61.2888	61.2888	2.2100e-003	7.7000e-004	61.5726
Mobile	0.1673	0.5395	1.5531	2.9000e-003	0.2379	4.2500e-003	0.2422	0.0640	4.0100e-003	0.0680	0.0000	265.8153	265.8153	0.0164	0.0000	266.2247
Waste						0.0000	0.0000		0.0000	0.0000	1.5917	0.0000	1.5917	0.0789	0.0000	3.5650
Water						0.0000	0.0000		0.0000	0.0000	0.3208	1.8798	2.2006	1.1900e-003	7.2000e-004	2.4435
Total	0.2526	0.5593	1.5704	3.0200e-003	0.2379	5.7600e-003	0.2437	0.0640	5.5200e-003	0.0695	1.9125	328.9852	330.8977	0.0987	1.4900e-003	333.8071

	ROG	NOx	CO	SO2	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	45.42	0.03	0.51	44.44	0.00	1.09

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-6.4219
Total	-6.4219

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2018	6/1/2018	5	1	
2	Site Preparation	Site Preparation	6/2/2018	6/15/2018	5	10	
3	Grading	Grading	6/16/2018	9/1/2018	5	55	
4	Building Construction	Building Construction	9/2/2018	4/1/2019	5	151	
5	Paving	Paving	4/2/2019	4/15/2019	5	10	
6	Architectural Coating	Architectural Coating	4/16/2019	5/15/2019	5	22	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 1.26

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,995; Non-Residential Outdoor: 7,665; Striped Parking Area: 3,282 (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
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	29.00	11.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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	1.2400e-003	0.0122	7.5600e-003	1.0000e-005		7.2000e-004	7.2000e-004		6.7000e-004	6.7000e-004	0.0000	1.0846	1.0846	2.7000e-004	0.0000	1.0915
Total	1.2400e-003	0.0122	7.5600e-003	1.0000e-005		7.2000e-004	7.2000e-004		6.7000e-004	6.7000e-004	0.0000	1.0846	1.0846	2.7000e-004	0.0000	1.0915

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.2 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	2.0000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0349	0.0349	0.0000	0.0000	0.0349
Total	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0349	0.0349	0.0000	0.0000	0.0349

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	1.2400e-003	0.0122	7.5600e-003	1.0000e-005		7.2000e-004	7.2000e-004		6.7000e-004	6.7000e-004	0.0000	1.0846	1.0846	2.7000e-004	0.0000	1.0915
Total	1.2400e-003	0.0122	7.5600e-003	1.0000e-005		7.2000e-004	7.2000e-004		6.7000e-004	6.7000e-004	0.0000	1.0846	1.0846	2.7000e-004	0.0000	1.0915

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.2 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	2.0000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0349	0.0349	0.0000	0.0000	0.0349
Total	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0349	0.0349	0.0000	0.0000	0.0349

3.3 Site Preparation - 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					
Fugitive Dust					0.0269	0.0000	0.0269	0.0145	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0300e-003	0.1037	0.0404	9.0000e-005		4.7600e-003	4.7600e-003		4.3800e-003	4.3800e-003	0.0000	7.8715	7.8715	2.4500e-003	0.0000	7.9327
Total	9.0300e-003	0.1037	0.0404	9.0000e-005	0.0269	4.7600e-003	0.0316	0.0145	4.3800e-003	0.0189	0.0000	7.8715	7.8715	2.4500e-003	0.0000	7.9327

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.3 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.6000e-004	1.4000e-004	1.2200e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2145	0.2145	1.0000e-005	0.0000	0.2147
Total	1.6000e-004	1.4000e-004	1.2200e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2145	0.2145	1.0000e-005	0.0000	0.2147

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					0.0269	0.0000	0.0269	0.0145	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0300e-003	0.1037	0.0404	9.0000e-005		4.7600e-003	4.7600e-003		4.3800e-003	4.3800e-003	0.0000	7.8715	7.8715	2.4500e-003	0.0000	7.9327
Total	9.0300e-003	0.1037	0.0404	9.0000e-005	0.0269	4.7600e-003	0.0316	0.0145	4.3800e-003	0.0189	0.0000	7.8715	7.8715	2.4500e-003	0.0000	7.9327

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.3 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.6000e-004	1.4000e-004	1.2200e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2145	0.2145	1.0000e-005	0.0000	0.2147
Total	1.6000e-004	1.4000e-004	1.2200e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2145	0.2145	1.0000e-005	0.0000	0.2147

3.4 Grading - 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					
Fugitive Dust					0.1250	0.0000	0.1250	0.0684	0.0000	0.0684	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0412	0.4693	0.1860	3.9000e-004		0.0219	0.0219		0.0201	0.0201	0.0000	35.4570	35.4570	0.0110	0.0000	35.7330
Total	0.0412	0.4693	0.1860	3.9000e-004	0.1250	0.0219	0.1469	0.0684	0.0201	0.0885	0.0000	35.4570	35.4570	0.0110	0.0000	35.7330

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.4 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	7.8000e-004	6.7100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1795	1.1795	5.0000e-005	0.0000	1.1808
Total	8.6000e-004	7.8000e-004	6.7100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1795	1.1795	5.0000e-005	0.0000	1.1808

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					0.1250	0.0000	0.1250	0.0684	0.0000	0.0684	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0412	0.4693	0.1860	3.9000e-004		0.0219	0.0219		0.0201	0.0201	0.0000	35.4570	35.4570	0.0110	0.0000	35.7329
Total	0.0412	0.4693	0.1860	3.9000e-004	0.1250	0.0219	0.1469	0.0684	0.0201	0.0885	0.0000	35.4570	35.4570	0.0110	0.0000	35.7329

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.4 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	7.8000e-004	6.7100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1795	1.1795	5.0000e-005	0.0000	1.1808
Total	8.6000e-004	7.8000e-004	6.7100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1795	1.1795	5.0000e-005	0.0000	1.1808

3.5 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	0.1115	0.7494	0.5967	9.5000e-004		0.0455	0.0455		0.0439	0.0439	0.0000	79.2209	79.2209	0.0160	0.0000	79.6196
Total	0.1115	0.7494	0.5967	9.5000e-004		0.0455	0.0455		0.0439	0.0439	0.0000	79.2209	79.2209	0.0160	0.0000	79.6196

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7200e-003	0.0609	0.0232	1.1000e-004	2.7500e-003	5.5000e-004	3.3000e-003	7.9000e-004	5.3000e-004	1.3200e-003	0.0000	11.1634	11.1634	8.5000e-004	0.0000	11.1848
Worker	4.8900e-003	4.3900e-003	0.0381	7.0000e-005	7.7000e-003	5.0000e-005	7.7600e-003	2.0500e-003	5.0000e-005	2.1000e-003	0.0000	6.6856	6.6856	2.9000e-004	0.0000	6.6927
Total	7.6100e-003	0.0653	0.0612	1.8000e-004	0.0105	6.0000e-004	0.0111	2.8400e-003	5.8000e-004	3.4200e-003	0.0000	17.8490	17.8490	1.1400e-003	0.0000	17.8775

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	0.1115	0.7494	0.5967	9.5000e-004		0.0455	0.0455		0.0439	0.0439	0.0000	79.2208	79.2208	0.0160	0.0000	79.6195
Total	0.1115	0.7494	0.5967	9.5000e-004		0.0455	0.0455		0.0439	0.0439	0.0000	79.2208	79.2208	0.0160	0.0000	79.6195

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7200e-003	0.0609	0.0232	1.1000e-004	2.7500e-003	5.5000e-004	3.3000e-003	7.9000e-004	5.3000e-004	1.3200e-003	0.0000	11.1634	11.1634	8.5000e-004	0.0000	11.1848
Worker	4.8900e-003	4.3900e-003	0.0381	7.0000e-005	7.7000e-003	5.0000e-005	7.7600e-003	2.0500e-003	5.0000e-005	2.1000e-003	0.0000	6.6856	6.6856	2.9000e-004	0.0000	6.6927
Total	7.6100e-003	0.0653	0.0612	1.8000e-004	0.0105	6.0000e-004	0.0111	2.8400e-003	5.8000e-004	3.4200e-003	0.0000	17.8490	17.8490	1.1400e-003	0.0000	17.8775

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0738	0.5194	0.4383	7.2000e-004		0.0298	0.0298		0.0288	0.0288	0.0000	59.4984	59.4984	0.0114	0.0000	59.7843
Total	0.0738	0.5194	0.4383	7.2000e-004		0.0298	0.0298		0.0288	0.0288	0.0000	59.4984	59.4984	0.0114	0.0000	59.7843

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7900e-003	0.0435	0.0157	9.0000e-005	2.0800e-003	3.4000e-004	2.4200e-003	6.0000e-004	3.2000e-004	9.2000e-004	0.0000	8.3818	8.3818	6.4000e-004	0.0000	8.3979
Worker	3.3300e-003	2.9100e-003	0.0253	5.0000e-005	5.8200e-003	4.0000e-005	5.8600e-003	1.5500e-003	4.0000e-005	1.5800e-003	0.0000	4.9054	4.9054	1.9000e-004	0.0000	4.9101
Total	5.1200e-003	0.0464	0.0410	1.4000e-004	7.9000e-003	3.8000e-004	8.2800e-003	2.1500e-003	3.6000e-004	2.5000e-003	0.0000	13.2872	13.2872	8.3000e-004	0.0000	13.3080

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	0.0738	0.5194	0.4383	7.2000e-004		0.0298	0.0298		0.0288	0.0288	0.0000	59.4983	59.4983	0.0114	0.0000	59.7843
Total	0.0738	0.5194	0.4383	7.2000e-004		0.0298	0.0298		0.0288	0.0288	0.0000	59.4983	59.4983	0.0114	0.0000	59.7843

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7900e-003	0.0435	0.0157	9.0000e-005	2.0800e-003	3.4000e-004	2.4200e-003	6.0000e-004	3.2000e-004	9.2000e-004	0.0000	8.3818	8.3818	6.4000e-004	0.0000	8.3979
Worker	3.3300e-003	2.9100e-003	0.0253	5.0000e-005	5.8200e-003	4.0000e-005	5.8600e-003	1.5500e-003	4.0000e-005	1.5800e-003	0.0000	4.9054	4.9054	1.9000e-004	0.0000	4.9101
Total	5.1200e-003	0.0464	0.0410	1.4000e-004	7.9000e-003	3.8000e-004	8.2800e-003	2.1500e-003	3.6000e-004	2.5000e-003	0.0000	13.2872	13.2872	8.3000e-004	0.0000	13.3080

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5200e-003	0.0459	0.0445	7.0000e-005		2.6100e-003	2.6100e-003		2.4100e-003	2.4100e-003	0.0000	6.0105	6.0105	1.8700e-003	0.0000	6.0572
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.3700e-003	0.0459	0.0445	7.0000e-005		2.6100e-003	2.6100e-003		2.4100e-003	2.4100e-003	0.0000	6.0105	6.0105	1.8700e-003	0.0000	6.0572

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	2.0000e-004	1.7500e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3383	0.3383	1.0000e-005	0.0000	0.3386
Total	2.3000e-004	2.0000e-004	1.7500e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3383	0.3383	1.0000e-005	0.0000	0.3386

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5200e-003	0.0459	0.0445	7.0000e-005		2.6100e-003	2.6100e-003		2.4100e-003	2.4100e-003	0.0000	6.0105	6.0105	1.8700e-003	0.0000	6.0572
Paving	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.3700e-003	0.0459	0.0445	7.0000e-005		2.6100e-003	2.6100e-003		2.4100e-003	2.4100e-003	0.0000	6.0105	6.0105	1.8700e-003	0.0000	6.0572

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	2.0000e-004	1.7500e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3383	0.3383	1.0000e-005	0.0000	0.3386
Total	2.3000e-004	2.0000e-004	1.7500e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3383	0.3383	1.0000e-005	0.0000	0.3386

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1967					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0202	0.0203	3.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	2.8086	2.8086	2.4000e-004	0.0000	2.8145
Total	0.1996	0.0202	0.0203	3.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	2.8086	2.8086	2.4000e-004	0.0000	2.8145

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	2.3000e-004	2.0000e-004	1.7700e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3435	0.3435	1.0000e-005	0.0000	0.3438
Total	2.3000e-004	2.0000e-004	1.7700e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3435	0.3435	1.0000e-005	0.0000	0.3438

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	0.1967					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0202	0.0203	3.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	2.8086	2.8086	2.4000e-004	0.0000	2.8145
Total	0.1996	0.0202	0.0203	3.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	2.8086	2.8086	2.4000e-004	0.0000	2.8145

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	2.0000e-004	1.7700e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3435	0.3435	1.0000e-005	0.0000	0.3438
Total	2.3000e-004	2.0000e-004	1.7700e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3435	0.3435	1.0000e-005	0.0000	0.3438

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez 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	0.1673	0.5395	1.5531	2.9000e-003	0.2379	4.2500e-003	0.2422	0.0640	4.0100e-003	0.0680	0.0000	265.8153	265.8153	0.0164	0.0000	266.2247
Unmitigated	0.1673	0.5395	1.5531	2.9000e-003	0.2379	4.2500e-003	0.2422	0.0640	4.0100e-003	0.0680	0.0000	265.8153	265.8153	0.0164	0.0000	266.2247

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Health Club	518.46	319.94	409.77	626,309	626,309
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	518.46	319.94	409.77	626,309	626,309

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
Health Club	6.60	5.50	6.40	16.90	64.10	19.00	52	39	9
Other Non-Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Health Club	0.546962	0.032250	0.203301	0.133652	0.025574	0.006384	0.017070	0.018005	0.002749	0.002622	0.007451	0.002735	0.001244
Other Non-Asphalt Surfaces	0.546962	0.032250	0.203301	0.133652	0.025574	0.006384	0.017070	0.018005	0.002749	0.002622	0.007451	0.002735	0.001244
Parking Lot	0.546962	0.032250	0.203301	0.133652	0.025574	0.006384	0.017070	0.018005	0.002749	0.002622	0.007451	0.002735	0.001244

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	39.7082	39.7082	1.8000e-003	3.7000e-004	39.8638
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39.7082	39.7082	1.8000e-003	3.7000e-004	39.8638
NaturalGas Mitigated	2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.5806	21.5806	4.1000e-004	4.0000e-004	21.7089
NaturalGas Unmitigated	2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.5806	21.5806	4.1000e-004	4.0000e-004	21.7089

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez 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					
Health Club	404405	2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.5806	21.5806	4.1000e-004	4.0000e-004	21.7089
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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		2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.5806	21.5806	4.1000e-004	4.0000e-004	21.7089

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					
Health Club	404405	2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.5806	21.5806	4.1000e-004	4.0000e-004	21.7089
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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		2.1800e-003	0.0198	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.5806	21.5806	4.1000e-004	4.0000e-004	21.7089

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Health Club	126626	36.8369	1.6700e-003	3.4000e-004	36.9812
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	9870	2.8713	1.3000e-004	3.0000e-005	2.8826
Total		39.7082	1.8000e-003	3.7000e-004	39.8638

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Health Club	126626	36.8369	1.6700e-003	3.4000e-004	36.9812
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	9870	2.8713	1.3000e-004	3.0000e-005	2.8826
Total		39.7082	1.8000e-003	3.7000e-004	39.8638

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0831	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003
Unmitigated	0.0831	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

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	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0634					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003
Total	0.0831	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003

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	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0634					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003
Total	0.0831	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2500e-003	1.2500e-003	0.0000	0.0000	1.3400e-003

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.2006	1.1900e-003	7.2000e-004	2.4435
Unmitigated	2.3138	1.1900e-003	7.2000e-004	2.5571

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Health Club	0.906664 / 0.555698	2.3138	1.1900e-003	7.2000e-004	2.5571
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.3138	1.1900e-003	7.2000e-004	2.5571

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Health Club	0.906664 / 0.444558	2.2006	1.1900e-003	7.2000e-004	2.4435
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.2006	1.1900e-003	7.2000e-004	2.4435

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.5917	0.0789	0.0000	3.5650
Unmitigated	3.1835	0.1579	0.0000	7.1299

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Health Club	15.33	3.1835	0.1579	0.0000	7.1299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		3.1835	0.1579	0.0000	7.1299

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Health Club	7.665	1.5917	0.0789	0.0000	3.5650
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.5917	0.0789	0.0000	3.5650

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

OASIS Ctr 206.3.2 101717 - Santa Barbara-North of Santa Ynez County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-6.4219	0.0000	0.0000	-6.4219

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	5.28 / 3.79	-6.4219	0.0000	0.0000	-6.4219
Total		-6.4219	0.0000	0.0000	-6.4219