APPENDIX W

Air Quality Modeling Results and Draft Conformity

Determination

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URBEMIS 2002 For Windows 8.7.0

File Name:

Project Name:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	0.65	3.86	4.68	0.00	0.01
TOTALS (lbs/day, mitigated)	0.55	3.09	3.74	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES				
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	377.57	726.12	6,354.58	4.41	779.23
TOTALS (lbs/day, mitigated)	361.01	693.68	6,070.07	4.21	744.42
SUM OF AREA AND OPERATIONAL EMI	SSION ESTI	MATES			
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	378.22	729.98	6,359.26	4.41	779.24
TOTALS (lbs/day, mitigated)	361.56	696.77	6,073.81	4.21	744.43

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-near term.urb
Project Name: Graton Alt A - Proposed Near Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES	5				
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.09	0.70	0.72	0.00	0.00
TOTALS (tpy, mitigated)	0.08	0.56	0.58	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	V ESTIMA	ATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	77.19	155.05	1,176.36	0.80	142.21
TOTALS (tpy, mitigated)	73.78	148.12	1,123.70	0.76	135.86
SUM OF AREA AND OPERATIONAL EN	ISSION	ESTIMATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (tpv. unmitigated)	77.29	155.75	1,177.08	0.80	142.21
TOTALS (tpy, unmitigated) TOTALS (tpy, mitigated)	77.29 73.85	155.75 148.69	1,177.08 1,124.28	0.80 0.76	142.21 135.86

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-near term.urb

Graton Alt A - Proposed Near Term San Francisco Bay Area Project Name:

Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES Source	ROG	NOx	CO	igated) SO2	PM10
Natural Gas	0.28	3.85	3.23	0	0.01
Hearth - No summer emissions					
Landscaping	0.22	0.01	1.44	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.15	-	_	-	_
TOTALS(lbs/day,unmitigated)	0.65	3.86	4.68	0.00	0.01
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Mitiga	ated)	
AREA SOURCE EMISSION ESTIMATES Source	(Summer ROG	Pounds per NOx	Day, Mitiga	ated) SO2	PM10
		-			PM10 0.01
Source	ROG	NOx	co	S02	
Source Natural Gas	ROG	NOx	co	S02	
Source Natural Gas Hearth - No summer emissions	ROG 0.22	NOx 3.08	2.59	SO2 0	0.01
Source Natural Gas Hearth - No summer emissions Landscaping	ROG 0.22 0.18	NOx 3.08	2.59	SO2 0	0.01

Area Source Mitigation Measures

Residential Increase Efficiency Beyond Title 24

Percent Reduction: 20

Commercial Increase Efficiency Beyond Title 24
Percent Reduction: 20

Industrial Increase Efficiency Beyond Title 24

Percent Reduction: 20
Residential Electric Landscape Maintenance Equipment

Percent Reduction: 20

Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

UNMITIGATED OPERATIONAL EMISSIONS

Casino	ROG 356.05	NOx 691.07	CO 6,047.82	SO2 4.20	PM10 741.61
Hotel	21.52	35.05	306.76	0.21	37.62
TOTAL EMISSIONS (lbs/day)	377.57	726.12	6,354.58	4.41	779.23

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	Units Trips
Casino		39.43 trips/1000 sq. ft	408.0016,087.44
Hotel		2.72 trips/rooms	300.00 816.00

Sum of Total Trips 16,903.44
Total Vehicle Miles Traveled 514,786.87

Vehicle Assumptions:

Fleet Mix:

Vehicle Type Light Auto	Percent Type 55.00	Non-Catalyst 1.60	Catalyst 98.00	Diesel 0.40
Light Truck < 3,750 lb	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0 0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.90	0.00	11.10	88.90
Line Haul > 60,000 lb.	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph)		Home- Shop 35.5 10.0 50.0	Home- Other 35.5 10.0 50.0	Commute 11.8 15.0 30.0	Non-Work 35.5 35.5 50.0	Customer 35.5 35.5 50.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (Casıno Hotel	by land ı	ıse)		5.0 5.0	2.5 2.5	92.5 92.5

MITIGATED OPERATIONAL EMISSIONS

Casıno Hotel	ROG 340.29 20.72	NOx 660.19 33.49	CO 5,777.05 293.03	SO2 4.01 0.20	PM10 708.48 35.94
TOTAL EMISSIONS (lbs/day) PERCENTAGE REDUCTION %	361.01	693.68	6,070.07	4.21	744.42
	4	4	4	4	4

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip	Rate	No. Units	Total Trips
Casino (Worker Trip Rate:	36 81)	37.68	trips/1000 sq. ft.	408.0015	,374.89
Hotel (Worker Trip Rate:		2.60	trips/rooms	300.00	779.86

Sum of Total Trips 16,154.75
Total Vehicle Miles Traveled 491,790.79

Vehicle Assumptions:

Fleet Mix:

Vehicle Type Light Auto Light Truck < 3,750 lb: Light Truck 3,751- 5,750 Med Truck 5,751- 8,500 Lite-Heavy 10,001-14,000 Med-Heavy 14,001-33,000	16.20 7.20 1.10 0.40	Non-Catalyst 1.60 2.70 1.20 1.40 0.00 0.00	Catalyst 98.00 95.30 97.50 95.80 81.80 50.00	Diesel 0.40 2.00 1.30 2.80 18.20 50.00 80.00
Heavy-Heavy 33,001-60,000		0.00	11.10	88.90
Line Haul > 60,000 lbs		0.00	0.00	100.00
Urban Bus		0.00	50.00	50.00
Motorcycle		76.50	23.50	0.00
School Bus		0.00	0.00	100.00
Motor Home		8.30	83.30	8.40

Travel Conditions

Travel Conditions						
	Residential			Commercial		
	Home-	Home-	Home-			
	Work	Shop	Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.8	35.5	35.5	11.8	35.5	35.5
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	35.5	35.5
Trıp Speeds (mph)	30.0	50.0	50.0	30.0	50.0	50.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (by land	use)				
Casino				5.0	2.5	92.5
Hotel				5.0	2.5	92.5

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MITIGATION OPTIONS SELECTED

Non-Residential Mitigation Measures

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0.25%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 2.18%

Inputs Selected:

The Number of Intersections per Square Mile is 100

The Percent of Streets with Sidewalks on One Side is 50%

The Percent of Streets with Sidewalks on Both Sides is 10%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 30%

Non-Residential Free Transit Passes Mitigation

Percent Reduction in Trips is 0.06%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The Free Transit Passes checkbox was selected.

Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.24%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Showers/Changing Facilities Provided' measure was selected

The 'Guaranteed Ride Home Program Provided' measure was selected

The 'Information provided on Transportation Alternatives' measure was selected

The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

Changes made to the default values for Land Use Trip Percentages The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0 Changes made to the default values for Area The hearth option switch changed from on to off. The area souce mitigation measure option switch changed from off to on. The landscape year changed from 2005 to 2007. The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013. The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013. Mitigation measure Residential Increase Efficiency Beyond Title 24 has been changed from off to on. Mitigation measure Commercial Increase Efficiency Beyond Title 24 has been changed from off to on. Mitigation measure Industrial Increase Efficiency Beyond Title 24 has been changed from off to on. Mitigation measure Residential Electric Landscape Maintenance Equipment has been changed from off to on. Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment has been changed from off to on. Changes made to the default values for Operations The mitigation option switch changed from off to on. The operational emission year changed from 2005 to 2008. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5. The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

The Res and Non-Res Transit Service Mitigation changed from off to on. The Res and Non-Res Ped/Bike Mitigation changed from off to on.

The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on.

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-long term.urb Graton Alt A - Proposed Long Term File Name:

Project Name:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	Dog	NO	70	go.2	D1/1 0
TOTALS (lbs/day,unmitigated)	ROG 0.61	NOx 3.87	4.50	SO2 0.00	PM10 0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	148.37	247.79	2,405.13	4.38	776.59
SUM OF AREA AND OPERATIONAL EMI	SSION ESTI	MATES			
TOTALS (lbs/day,unmitigated)	ROG 148.97	NOx 251.65	CO 2,409.63	SO2 4.38	PM10 776.60

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-long term.urb Graton Alt A - Proposed Long Term File Name:

Project Name: Project Location:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.85	3.23	0	0.01
Hearth - No summer emissions					
Landscaping	0.18	0.02	1.26	0.00	0.00
Consumer Prdcts	0.00	-	-	-	_
Architectural Coatings	0.15	_	-	-	-
TOTALS(lbs/day,unmitigated)	0.61	3.87	4.50	0.00	0.01

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Casino	139.36	235.82	2,289.03	4.17	739.10
Hotel	9.01	11.96	116.11	0.21	37.49
TOTAL EMISSIONS (lbs/day)	148.37	247.79	2,405,13	4.38	776.59

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	Units Trip	_
Casino Hotel		39.43 trips/1000 sq. f 2.72 trips/rooms	t. 408.0016,087.4 300.00 816.0	

Sum of Total Trips 16,903.44 Total Vehicle Miles Traveled 514,786.87

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	s 15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential				Commercial	
Urban Trip Length (miles)		Home- Shop 35.5	Home- Other 35.5	Commute	Non-Work C	35.5
Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	30.0	10.0 50.0 21.2	10.0 50.0 51.5	15.0 30.0	35.5 50.0	35.5 50.0
% of Trips - Commercial (Casino Hotel	by land :	ıse)		5.0 5.0	2.5 2.5	92.5 92.5

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.

The landscape year changed from 2005 to 2020.

The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.

The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.

Mitigation measure Commercial Increase Efficiency Beyond Title 24

has been changed from off to on.

Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment
has been changed from off to on.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2020. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5.

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-near term con:

Project Name: Graton Alt A - Proposed Near Term Const San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (lbs/day,unmitigated)	ROG 12.59	NOx 79.87	CO 106.82	SO2 0.00	PM10 TOTAL 67.17	PM10 EXHAUST 3.16	PM10 DUST 64.01
*** 2008 *** TOTALS (lbs/day,unmit1gated)	ROG 71.54	NOx 57.50	CO 86.94	SO2 0.01	PM10 TOTAL 2.66	PM10 EXHAUST 2.17	PM10 DUST 0.49

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-near term con: File Name:

Project Name: Graton Alt A - Proposed Near Term Const

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (tpy, unmitigated)	ROG 0.59	NOx 3.68	CO 4.93	SO2 0.00	PM10 TOTAL 1.10	PM10 EXHAUST 0.16	PM10 DUST 0.94
*** 2008 *** TOTALS (tpy, unmitigated)	ROG 1.11	NOx 2.24	CO 3.30	SO2 0.00	PM10 TOTAL 0.10	PM10 EXHAUST 0.09	PM10 DUST 0.01

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt A-near term con:

Project Name: Graton Alt A - Proposed Near Term Const

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007

Construction Duration: 12

Total Land Use Area to be Developed: 25.6 acres Maximum Acreage Disturbed Per Day: 6.4 acres Single Family Units: 0 Multi-Family Units: 0

Retail/Office/Institutional/Industrial Square Footage: 558000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (1bs/day)

CONSTRUCTION EMISSION ESTIMA	TES UNMITI	GATED (lbs	s/day)				
Source	ROG	NOx	СО	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007***							
Phase 1 - Demolition Emissic	ns				0.00		
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions						
Fugitive Dust	_	-	_	_	64.00	_	64.00
Off-Road Diesel	12.45	79.69	103.54	-	3.15	3.15	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maxımum lbs/day	12.59	79.87	106.82	0.00	67.17	3.16	64.01
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel	5.23	39.92	38.72	-	1.78	1.78	0.00
Bldg Const Worker Trips	1.33	0.81	17.14	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas	0.00	-		_	***	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	_
Asphalt Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max1mum lbs/day	6.57	40.73	55.86	0.00	2.03	1.79	0.24
Max lbs/day all phases	12.59	79.87	106.82	0.00	67.17	3.16	64.01
*** 2008***							
Phase 1 Demolition Emissio	ne						
Fugitive Dust	115			_	0.00	_	0.00
	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum IDS/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions -	_	1976	_	0.00		0.00
Fugitive Dust Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
	0.00	0.00					
On-Road Diesel	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00
Worker Trips				0.00	0.00	0.00	0.00
Maxımum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel		37.98	40.13	-	1.62	1.62	0.00
Bldg Const Worker Trips	1.23	0.76	15.98	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas	59.95		- 10 10			0.01	-
Arch Coatings Worker Trips	1.10	0.52	13.12	0.00	0.25	0.01	0.24
Asphalt Off-Gas	1.52	12.07	10.01	-	0.26	0.36	- 0.0
Asphalt Off-Road Diesel	2.24	12.97	19.01	- 0.1	0.36	0.36	0.00
Asphalt On-Road Diesel	0.39	5.49	1.44	0.01	0.17	0.16	0.01
Asphalt Worker Trips	0.01	0.00	0.12	0.00	0.00	0.00	0.00
Maximum lbs/day	71.54	57.50	86.94	0.01	2.66	2.17	0.49
Max lbs/day all phases	71.54	57.50	86.94	0.01	2.66	2.17	0.49

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions Start Month/Year for Phase 2: Jun '07 Phase 2 Duration: 1.3 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment No

ο.	Type	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
2	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1.	Rubber Tired Loaders	165	0.465	8.0
1.	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '07 Phase 3 Duration: 10.7 months

Start Month/Year for SubPhase Building: Jul '07

SubPhase Building Duration: 10.7 months

Off Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
Start	Month/Year for SubPhase Architectura	1 Coatings:	Apr '08	

SubPhase Architectural Coatings Duration: 1.1 months Start Month/Year for SubPhase Asphalt: May '08

SubPhase Asphalt Duration: 0.5 months

Acres to be Paved: 6.4 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100
The Diverted Trip % for Blank changed from 10 to 0
The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Office park changed from 80 to 100
The Diverted Trip % for Office park changed from 15 to 0
The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

has been changed from off to on.

Architectural Coatings: # ROG/ft2 (residential) changed from 0.0185 to 0.0013

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0013

Phase 2 mitigation measure Soil Disturbance: Apply soil stabilizers to inactive areas has been changed from off to on.

Phase 2 mitigation measure Soil Disturbance: Replace ground cover in disturbed areas quickly has been changed from off to on.

Phase 2 mitigation measure Soil Disturbance: Water exposed surfaces - 2x daily

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-near term.urb

Project Name: Project Location: Graton Alt B - NW Stoney Point Near Term San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	SO2	PM10
TOTALS (1bs/day,unmitigated)	2.60	3.86	4.68	0.00	0.01
TOTALS (lbs/day, mitigated)	2.50	3.09	3.74	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES				
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	377.57	726.12	6,354.58	4.41	779.23
TOTALS (lbs/day, mitigated)	361.01	693.68	6,070.07	4.21	744.42
SUM OF AREA AND OPERATIONAL EMI					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	380.18	729.98	6,359.26	4.41	779.24
TOTALS (lbs/day, mitigated)	363.52	696.77	6,073.81	4.21	744.43

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-near term.urb

Project Name: Graton Alt B - NW Stoney Point Near Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES					
TOTALS (tpy, unmitigated)	ROG 0.35	NOx 0.70	0.72	SO2 0.00	PM10 0.00
TOTALS (tpy, mitigated)	0.33	0.56	0.58	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIM	ATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	77.19	155.05	1,176.36	0.80	142.21
TOTALS (tpy, mitigated)	73.78	148.12	1,123.70	0.76	135.86
SUM OF AREA AND OPERATIONAL EM	ISSION	ESTIMATES			
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	77.54	155.75	1,177.08	0.80	142.21
	74.11	148.69	1,124.28	0.76	135.86
TOTALS (tpy, mitigated)	/4.11	140.09	1,124.20	0.76	133.80

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-near term.urb

Project Name: Graton Alt B - NW Stoney Point Near Term

San Francisco Bay Area Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmit	igated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.85	3.23	0	0.01
Hearth - No summer emissions					
Landscaping	0.22	0.01	1.44	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	2.10	-	-	-	_
TOTALS(lbs/day,unmitigated)	2.60	3.86	4.68	0.00	0.01
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Mitiga	ated)	
AREA SOURCE EMISSION ESTIMATES Source	(Summer ROG	Pounds per NOx	Day, Mitiga	ated) SO2	PM10
		-		•	PM10 0.01
Source	ROG	NOx	co	S02	
Source Natural Gas	ROG	NOx	co	S02	
Source Natural Gas Hearth - No summer emissions	ROG 0.22	NOx 3.08	co 2.59	SO2 0	0.01
Source Natural Gas Hearth - No summer emissions Landscaping	ROG 0.22 0.18	NOx 3.08	co 2.59	SO2 0	0.01

Area Source Mitigation Measures

Residential Increase Efficiency Beyond Title 24

Percent Reduction: 20

Commercial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Industrial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Residential Electric Landscape Maintenance Equipment
Percent Reduction: 20
Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Casino	356.05	691.07	6,047.82	4.20	741.61
Hotel	21.52	35.05	306.76	0.21	37.62
TOTAL EMISSIONS (lbs/dav)	377.57	726.12	6.354.58	4.41	779 23

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trıp Rate	No. Units	Total Trips
Casıno		39.43 trips/1000 sq. ft.	408.0016	,087.44
Hotel		2.72 trips/rooms	300.00	816.00

Sum of Total Trips 16,903.44
Total Vehicle Miles Traveled 514,786.87

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751-8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

Travel Conditions							
	F	Residential			Commercial		
	Home-	Home-	Home-				
	Work	Shop	Other	Commute	Non-Work (Customer	
Urban Trip Length (miles)	11.8	35.5	35.5	11.8	35.5	35.5	
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	35.5	35.5	
Trip Speeds (mph)	30.0	50.0	50.0	30.0	50.0	50.0	
% of Trips - Residential	27.3	21.2	51.5				
% of Trips - Commercial (by land w	ise)					
Casino				5.0	2.5	92.5	
Hotel				5.0	2.5	92.5	

MITIGATED OPERATIONAL EMISSIONS

Casino Hotel	ROG 340.29 20.72	NOx 660.19 33.49	CO 5,777.05 293.03	SO2 4.01 0.20	PM10 708.48 35.94
TOTAL EMISSIONS (lbs/day) PERCENTAGE REDUCTION %	361.01	693.68	6,070.07	4.21	744.42
	4	4	4	4	4

Includes correction for passby trips. Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Total Units Trips
Casino (Worker Trip Rate:	36 811	37.68 trips/1000 sq. ft.	408.0015,374.89
Hotel (Worker Trip Rate:	·	2.60 trips/rooms	300.00 779.86

Sum of Total Trips 16,154.75
Total Vehicle Miles Traveled 491,790.79

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lb	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0 0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0 0.90	0.00	11.10	88.90
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph)	15.0 30.0	Home- Shop 35.5 10.0 50.0	Home- Other 35.5 10.0 50.0	Commute 11.8 15.0 30.0	Non-Work (35.5 35.5 50.0	Customer 35.5 35.5 50.0
<pre>% of Trips - Residential % of Trips - Commercial (Casino Hotel</pre>		21.2 use)	51.5	5.0 5.0	2.5 2.5	92.5 92.5

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MITIGATION OPTIONS SELECTED

Non-Residential Mitigation Measures

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0.25%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 2 18%

Inputs Selected:

The Number of Intersections per Square Mile is 100

The Percent of Streets with Sidewalks on One Side is 50%

The Percent of Streets with Sidewalks on Both Sides is 10%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 30%

Non-Residential Free Transit Passes Mitigation

Percent Reduction in Trips is 0.06%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The Free Transit Passes checkbox was selected.

Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.24%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Showers/Changing Facilities Provided' measure was selected

The 'Guaranteed Ride Home Program Provided' measure was selected

The 'Information provided on Transportation Alternatives' measure was selected

The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.
The area souce mitigation measure option switch changed from off to on.
The landscape year changed from 2005 to 2007.
Mitigation measure Residential Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Commercial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Industrial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Industrial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Residential Electric Landscape Maintenance Equipment
 has been changed from off to on.
Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment

Changes made to the default values for Operations

has been changed from off to on.

The mitigation option switch changed from off to on. The operational emission year changed from 2005 to 2008. The home based work selection item changed from The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5. The Res and Non-Res Local-Serving Retail Mitigation changed from off to on. The Res and Non-Res Transit Service Mitigation changed from off to on. The Res and Non-Res Ped/Bike Mitigation changed from off to on.

The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on.

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-long term.urb Graton Alt B - NW Stoney Point Long Term File Name:

Project Name:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT

(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	DOG	NO	00	go.2	PM10			
TOTALS (lbs/day,unmitigated)	ROG 2.56	NOx 3.87	4.50	SO2 0.00	0.01			
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES ROG	NOx	CO	S 02	PM10			
TOTALS (lbs/day,unmitigated)	148.37	247.79	2,405.13	4.38	776.59			
SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES								
	ROG	NOx	CO	S02	PM10			
TOTALS (lbs/day,unmitigated)	150.93	251.65	2,409.63	4.38	776.60			

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URBEMIS 2002 For Windows 8.7.0

File Name: $\hbox{C:\Program Files} \ \hbox{URBEMIS 2002 Version 8.7} \ \hbox{Projects2k2} \ \hbox{Graton-Alt B-long term.urb}$

Project Name: Graton Alt B - NW Stoney Point Long Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES	noa	Mo	20	403	D1110
TOTALS (tpy, unmitigated)	ROG 0.34	NOx 0.70	0.70	SO2 0.00	PM10 0.00
OPERATIONAL (VEHICLE) EMISSION					
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	30.23	52.91	441.91	0.79	141.73
SUM OF AREA AND OPERATIONAL EM	ISSION	ESTIMATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	30.58	53.61	442.61	0.79	141.73

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-long term.urb

Project Name: Project Location: Graton Alt B - NW Stoney Point Long Term

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmit	igated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.85	3.23	0	0.01
Hearth - No summer emissions					
Landscaping	0.18	0.02	1.26	0.00	0.00
Consumer Prdcts	0.00	-	-	-	_
Architectural Coatings	2.10	_	_		
TOTALS(1bs/day.unmitigated)	2.56	3.87	4.50	0.00	0.01

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	139.36	235.82	2,289.03	4.17	739.10
Hotel	9.01	11.96	116.11	0.21	37.49
TOTAL EMISSIONS (lbs/dav)	148.37	247.79	2,405,13	4.38	776.59

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Tota Units Trip	
Casino Hotel		39.43 trips/1000 sq. ft. 2.72 trips/rooms	408.0016,087.4 300.00 816.0	
		Sum of Total Tr Total Vehicle Miles Trave	• '	

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lb	s 15.30	0.70	98.00	1.30
Light Truck 3,751- 5,75	0 16.40	0.60	98.80	0.60
Med Truck 5,751-8,50	0 7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.80	0.00	0.00	100.00
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Jrban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential Home- Home- Home-			Commercial			
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	Work 11.8 15.0 30.0	Shop 35.5 10.0 50.0 21.2	Other 35.5 10.0 50.0 51.5	11.8 15.0 30.0	Non-Work (35.5 35.5 50.0	35.5 35.5 35.5 50.0	
% of Trips - Commercial (Casino Hotel	by land	use)		5.0 5.0	2.5 2.5	92.5 92.5	

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off. The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2020. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from $30\ \text{to}\ 50.$ The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5.

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-near term con:

Project Name: Graton Alt B - NW Stoney Point Near Term Const Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (lbs/day,unmitigated)	ROG 12.59	NOx 79.87	CO 106.82	SO2 0.00	PM10 TOTAL 67.17	PM10 EXHAUST 3.16	PM10 DUST 64.01
*** 2008 *** TOTALS (lbs/day,unmitigated)	ROG 864.73	NOx 57.50	CO 86.94	SO2 0.01	PM10 TOTAL 2.66	PM10 EXHAUST 2.17	PM10 DUST 0.49

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt B-near term con:

Project Name. Graton Alt B - NW Stoney Point Near Term Const

San Francisco Bay Area Project Location:

On Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007

Construction Duration: 12

Total Land Use Area to be Developed: 25.6 acres Maximum Acreage Disturbed Per Day: 6.4 acres Single Family Units: 0 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 558000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	ATES UNMITI	GATED (lbs	s/day)				
Source *** 2007***	ROG	NOx	co	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
Phase 1 Demolition Emission	ons						
Fugitive Dust	_	_	_		0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	sions						
Fugitive Dust	-		_	-	64.00	_	64.00
	12.45	79.69	103.54	_	3.15	3.15	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maximum lbs/day	12.59	79.87	106.82	0.00	67.17	3.16	64.01
Phase 3 - Building Construct		20.00	20.50		4 50	4 50	
Bldg Const Off-Road Diesel	5.23	39.92	38.72	-	1.78	1.78	0.00
Bldg Const Worker Trips	1.33	0.81	17.14	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas	0.00				-	- 00	- 0.00
Arch Coatings Worker Trips Asphalt Off Gas	0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	6.57	40.73	55.86	0.00	2.03	1.79	0.24
Max lbs/day all phases	12.59	79.87	106.82	0.00	67.17	3.16	64.01
*** 2008***						0.20	01101
Phase 1 - Demolition Emission	ns						
Fugitive Dust	-	_	-	_	0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions						
Fugitive Dust	_	_	_	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct		2.7.00	40.40				
Bldg Const Off-Road Diesel	5.23	37.98	40.13	-	1.62	1.62	0.00
Bldg Const Worker Trips	1.23	0.76	15.98	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas	853.14	0 50	12 12	0 00	0.05	- 0.1	- 24
Arch Coatings Worker Trips Asphalt Off-Gas	1.10 1.52	0.52	13.12	0.00	0.25	0.01	0.24
Asphalt Off-Road Diesel	2.24	12.97	19.01	-	0.36		0.00
Asphalt On-Road Diesel	0.39	5.49	19.01	0.01	0.36	0.36 0.16	0.00 0.01
Asphalt Worker Trips	0.01	0.00	0.12	0.00	0.17	0.16	0.01
Maximum lbs/day	864.73	57.50	86.94	0.00	2.66	2.17	0.49
Max lbs/day all phases	864.73	57.50	86.94	0.01	2.66	2.17	0.49

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions Start Month/Year for Phase 2: Jun '07

Phase 2 Duration: 1.3 months On-Road Truck Travel (VMT): 0

Off-Road Equipment

Ио.	Туре	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Rubber Tired Loaders	165	0.465	8.0
1	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '07
Phase 3 Duration: 10.7 months
Start Month/Year for SubPhase Building: Jul '07

SubPhase Building Duration: 10.7 months

Off-Road Equipment

No	Туре	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
Start N	Month/Year for SubPhase Architectura	l Coatings:	Apr '08	

SubPhase Architectural Coatings Duration: 1.1 months Start Month/Year for SubPhase Asphalt: May '08 SubPhase Asphalt Duration: 0.5 months Acres to be Paved: 6.4

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100
The Diverted Trip % for Blank changed from 10 to 0
The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Office park changed from 80 to 100
The Diverted Trip % for Office park changed from 15 to 0
The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-near term.urb
Project Name: Graton Alt C - NE Stoney Point Near Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2 File Name: Project Name: Project Location:

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	2.60	3.86	4.68	0.00	0.01
TOTALS (lbs/day, mitigated)	2.50	3.09	3.74	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES				
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	377.57	726.12	6,354.58	4.41	779.23
TOTALS (lbs/day, mitigated)	361.01	693.68	6,070.07	4.21	744.42
SUM OF AREA AND OPERATIONAL EMI	SSION ESTI	MATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	380.18	729.98	6,359.26	4.41	779.24
TOTALS (lbs/day, mitigated)	363.52	696.77	6,073.81	4.21	744.43

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-near term.urb
Project Name: Graton Alt C - NE Stoney Point Near Term
Project Location: San Francisco Bay Area
On Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	0.35	0.70	0.72	0.00	0.00
TOTALS (tpy, mitigated)	0.33	0.56	0.58	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIMA	ATES			
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	77.19	155.05	1,176.36	0.80	142.21
TOTALS (tpy, mitigated)	73.78	148.12	1,123.70	0.76	135.86
SUM OF AREA AND OPERATIONAL EM	ISSION	ESTIMATES			
SOM OF AREA AND OFERATIONAL EM.	ROG	NOX	ao.	cos	PM10
momat a /base sussible as be all	-	_	CO	SO2	
TOTALS (tpy, unmitigated)	77.54	155.75	1,177.08	0.80	142.21
TOTALS (tpy, mitigated)	74.11	148.69	1,124.28	0.76	135.86

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-near term.urb File Name:

Project Name: Graton Alt C - NE Stoney Point Near Term

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES Source Natural Gas	(Summer ROG 0.28	Pounds per NOx 3.85	Day, Unmit CO 3.23	igated) SO2 0	PM10 0.01
Hearth - No summer emissions Landscaping Consumer Procts	0.22	0.01	1.44	0.00	0.00
Architectural Coatings TOTALS(lbs/day,unmitigated)	2.10	- 3.86	4.68	0.00	0.01
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Mitig	ated)	
AREA SOURCE EMISSION ESTIMATES Source Natural Gas	(Summer ROG 0.22	Pounds per NOx 3.08	Day, Mitig CO 2.59	ated) SO2 0	PM10 0.01
Source	ROG	NOx	CO	SO2	
Source Natural Gas Hearth - No summer emissions	ROG 0.22	NOx 3.08	CO 2.59	SO2 0	0.01

Area Source Mitigation Measures

Residential Increase Efficiency Beyond Title 24 Percent Reduction: 20

Commercial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Industrial Increase Efficiency Beyond Title 24

Percent Reduction: 20
Residential Electric Landscape Maintenance Equipment

Percent Reduction: 20

Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

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UNMITIGATED OPERATIONAL EMISSIONS

Casıno Hotel	ROG 356.05 21.52		CO 6,047.82 306.76	SO2 4.20 0.21	PM10 741.61 37.62
TOTAL EMISSIONS (1bs/day)	377.57	726.12	6,354.58	4.41	779.23

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casıno		39.43 trips/1000 sq. ft.	408.0016	,087.44
Hotel		2.72 trips/rooms	300.00	816.00

Sum of Total Trips 16,903.44
Total Vehicle Miles Traveled 514,786.87

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lb.	s 15.00	2.70	95.30	2,00
Light Truck 3,751-5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.90	0.00	11.10	88.90
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

	Residential			Commercial		
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	15.0 30.0	Home- Shop 35.5 10.0 50.0 21.2	Home- Other 35.5 10.0 50.0 51.5	Commute 11.8 15.0 30.0	Non-Work 35.5 35.5 50.0	Customer 35.5 35.5 50.0
% of Trips - Commercial () Casino Hotel	by land u	se)		5.0 5.0	2.5 2.5	92.5 92.5

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MITIGATED OPERATIONAL EMISSIONS

Casıno Hotel	ROG 340.29 20.72	NOx 660.19 33.49	CO 5,777.05 293.03	SO2 4.01 0.20	PM10 708.48 35.94
TOTAL EMISSIONS (lbs/day) PERCENTAGE REDUCTION %	361.01	693.68	6,070.07	4.21	744.42
	4	4	4	4	4

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type Acreage	Trip Rate	No. Total Units Trips
Casino (Worker Trip Rate: 36.81)	37.68 trips/1000 sq. ft.	408.0015,374.89
Hotel (Worker Trip Rate: 2.54)	2.60 trips/rooms	300.00 779.86

Sum of Total Trips 16,154.75
Total Vehicle Miles Traveled 491,790.79

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Dorgont flyma	Non-Catalyst	Catalyst	Diesel
	Percent Type	_	-	
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 1b	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.90	0.00	11.10	88.90
Line Haul > 60,000 1b	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

	Residential			Commercial		
	Home-	Home-	Home-			
	Work	Shop	Other	Commute	Non-Work (Customer
Urban Trip Length (miles)	11.8	35.5	35.5	11.8	35.5	35.5
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	35.5	35.5
Trip Speeds (mph)	30.0	50.0	50.0	30.0	50.0	50.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (Casino Hotel	by land	use)		5.0 5.0	2.5 2.5	92.5 92.5

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MITIGATION OPTIONS SELECTED

Non-Residential Mitigation Measures

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0.25%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 2.18%

Inputs Selected:

The Number of Intersections per Square Mile is 100

The Percent of Streets with Sidewalks on One Side is 50%

The Percent of Streets with Sidewalks on Both Sides is 10%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 30%

Non-Residential Free Transit Passes Mitigation

Percent Reduction in Trips is 0.06%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The Free Transit Passes checkbox was selected.

Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.24%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Showers/Changing Facilities Provided' measure was selected The 'Guaranteed Ride Home Program Provided' measure was selected

The 'Information provided on Transportation Alternatives' measure was selected

The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.
The area souce mitigation measure option switch changed from off to on.
The landscape year changed from 2005 to 2007.
Mitigation measure Residential Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Commercial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Industrial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Residential Electric Landscape Maintenance Equipment
 has been changed from off to on.
Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment

Changes made to the default values for Operations

has been changed from off to on.

The mitigation option switch changed from off to on. The operational emission year changed from 2005 to 2008. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5. The Res and Non-Res Local-Serving Retail Mitigation changed from off to on. The Res and Non-Res Transit Service Mitigation changed from off to on. The Res and Non-Res Ped/Bike Mitigation changed from off to on. The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on. Page: 1 31/08/2007 9:29 AM

URBEMIS 2002 For Windows 8.7.0

File Name:

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-long term.urb
Project Name:

Graton Alt C - NE Stoney Point Long Term
Project Location:

On Road Motor Vehicle Emissions

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-long term.urb
File Name:

Graton Alt C - NE Stoney Point Long Term
San Francisco Bay Area
On Road Motor Vehicle Emissions

Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOU	RCE EMISSION E	STIMATES						
TOTALS	(lbs/day,unmit	ıgated)	ROG 2.56	NOx 3.87	4.50	SO2 0.00	PM10 0.01	
OPERATIO	NAL (VEHICLE)	EMISSION E	ESTIMATES ROG	NOx	CO	S02	PM10	
TOTALS	(lbs/day,unmit	ıgated)	148.37	247.79	2,405.13	4.38	776.59	
SUM OF A	REA AND OPERAT	IONAL EMIS	SION ESTIN	MATES				
			ROG	NOx	CO	SO2	PM10	
TOTALS	(lbs/dav,unmit:	(dated)	150.93	251.65	2,409,63	4.38	776.60	

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URBEMIS 2002 For Windows 8.7.0

File Name:

Project Name:

Project Location:

On-Road Motor Vehicle Emissions

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-long term.urb

Stoney Point Long Term

San Francisco Bay Area

On-Road Motor Vehicle Emissions

Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES	i				
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	0.34	0.70	0.70	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIMA	ATES			
	ROG	NОх	CO	SO2	PM10
TOTALS (tpy, unmitigated)	30.23	52.91	441.91	0.79	141.73
SUM OF AREA AND OPERATIONAL EM	ISSION	ESTIMATES			
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	30.58	53.61	442.61	0.79	141.73

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-long term.urb
Project Name: Graton Alt C - NE Stoney Point Long Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE	EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmiti	.gated)	
Source		ROG	NOx	CO	SO2	PM1.0
Natural Ga	s	0.28	3.85	3.23	0	0.01
Hearth - N	o summer emissions					
Landscapın	g	0.18	0.02	1.26	0.00	0.00
Consumer P	rdcts	0.00		-	-	_
Architectu	ral Coatings	2.10		-	-	-
TOTALS(1bs	/day.unmitigated)	2.56	3.87	4.50	0.00	0.01

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UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	139.36	235.82	2,289.03	4.17	739.10
Hotel	9.01	11.96	116.11	0.21	37.49
TOTAL EMISSIONS (lbs/dav)	148.37	247.79	2,405.13	4.38	776.59

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trıp Rate	No. Total Units Trips
Casıno		39.43 trips/1000 sq. f	408.0016,087.44
Hotel		2.72 trips/rooms	300.00 816.00

Sum of Total Trips 16,903.44
Total Vehicle Miles Traveled 514,786.87

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	s 15.30	0.70	98.00	1.30
Light Truck 3,751 - 5,75	0 16.40	0.60	98.80	0.60
Med Truck 5,751-8,50	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 1b:	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

	R	esidential	L		Commercial	
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips Residential	15.0 30.0	Home- Shop 35.5 10.0 50.0 21.2	Home- Other 35.5 10.0 50.0 51.5	Commute 11.8 15.0 30.0	Non-Work (35.5 35.5 50.0	35.5 35.5 50.0
% of Trips - Commercial (Casino Hotel	by land u	se)		5.0 5.0	2.5 2.5	92.5 92.5

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off. The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2020. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home pased other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5.

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-near term conserved to the conserved

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (lbs/day,unmitigated)	ROG 12.59	NOx 79.87	CO 106.82	SO2 0.00	PM10 TOTAL 67.17	PM10 EXHAUST 3.16	PM10 DUST 64.01
*** 2008 ***	ROG	NOx	co	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (lbs/day,unmitigated)	864.73	57.50	86.94	0.01	2.66	2.17	0.49

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-near term con:
Project Name: Graton Alt C - NE Stoney Point Near Term Const
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (tpy, unmitigated)	ROG 0.59	NOx 3.68	CO 4.93	SO2 0.00	PM10 TOTAL 1.10	PM10 EXHAUST 0.16	PM10 DUST 0.94
*** 2008 ***	ROG	NOx	со	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (tpy, unmitigated)	10.70	2.24	3.30	0.00	0.10	0.09	0.01

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt C-near term con: File Name:

Graton Alt C - NE Stoney Point Near Term Const San Francisco Bay Area Project Name:

Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007 Construction Duration: 12

Total Land Use Area to be Developed: 25.6 acres Maximum Acreage Disturbed Per Day: 6.4 acres Single Family Units: 0 Multi-Family Units: 0

Retail/Office/Institutional/Industrial Square Footage: 558000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (1bs/day)

CONSTRUCTION EMISSION ESTIMA	ATES UNMITI	GATED (lbs	s/day)				
Source	ROG	NOx	СО	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007***							
Phase 1 - Demolition Emission	ons				0.00		0.00
Fugitive Dust	- 0.0	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum 1bs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	sions						
Fugitive Dust		-	-	-	64.00	-	64.00
Off-Road Diesel	12.45	79.69	103.54	_	3.15	3.15	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maximum lbs/day	12.59	79.87	106.82	0.00	67.17	3.16	64.01
Phase 3 - Building Construct	ion						
Bldg Const Off-Road Diesel	5.23	39.92	38.72	-	1.78	1.78	0.00
Bldg Const Worker Trips	1.33	0.81	17.14	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas	0.00	-	-	-	-	~	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	6.57	40.73	55.86	0.00	2.03	1.79	0.24
Maximum 1007 day	0.57	40.75	33.00	0.00	2.03	1.73	0.24
Max lbs/day all phases	12.59	79.87	106.82	0.00	67.17	3.16	64.01
*** 2008***							
Phase 1 - Demolition Emission	ns						
Fugitive Dust	-	_	_	_	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	•	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	į.						
Phase 2 - Site Grading Emiss					0.00		0.00
Fugitive Dust		-	-	~	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel	5.23 1.23	37.98	40.13		1.62	1.62	0.00
Bldg Const Worker Trips		0.76	15.98	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas	853.14	-	_	~	-	-	-
Arch Coatings Worker Trips		0.52	13.12	0.00	0.25	0.01	0.24
Asphalt Off-Gas	1.52	-	-	~	-	_	-
Asphalt Off-Road Diesel	2.24	12.97	19.01	-	0.36	0.36	0.00
Asphalt On-Road Diesel	0.39	5.49	1.44	0.01	0.17	0.16	0.01
Asphalt Worker Trips	0.01	0.00	0.12	0.00	0.00	0.00	0.00
Maxımum lbs/day	864.73	57.50	86.94	0.01	2.66	2.17	0.49
Max lbs/day all phases	864.73	57.50	86.94	0.01	2.66	2.17	0.49

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Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 · Site Grading Assumptions Start Month/Year for Phase 2: Jun '07

Phase 2 Duration: 1.3 months On-Road Truck Travel (VMT): 0

Off-Road Equipment N

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Rubber Tired Loaders	165	0.465	8.0
1	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '07
Phase 3 Duration. 10.7 months
Start Month/Year for SubPhase Building: Jul '07

SubPhase Building Duration: 10.7 months

Off-Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0

Start Month/Year for SubPhase Architectural Coatings: Apr '08

SubPhase Architectural Coatings Duration: 1.1 months

Start Month/Year for SubPhase Asphalt: May '08

SubPhase Asphalt Duration: 0.5 months Acres to be Paved: 6.4

Off-Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100
The Diverted Trip % for Blank changed from 10 to 0
The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Office park changed from 80 to 100
The Diverted Trip % for Office park changed from 15 to 0
The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-near term.urb
Project Name: Graton Alt D - Reduced Density Near Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	0.36	1.29	2.52	0.00	0.01
TOTALS (lbs/dav, mitigated)	0.30	1.03	2.02	0.00	0.01
TOTALD (IDS/day) Micigaeca,	0.55	1.05	2.02	0.00	0.02
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES				
(,	ROG	NOx	CO	SO2	PM10
	1100	11011	00	002	220
TOTALS (lbs/day,unmitigated)	262.87	507.97	4,445.42	3.09	545.12
TOTALS (lbs/day, mitigated)	251.28	485.27	4,246.39	2.95	520.77
SUM OF AREA AND OPERATIONAL EMI	SSION ESTI	MATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	263.23	509.26	4,447.94	3.09	545.13
			-,		
TOTALS (lbs/day, mitigated)	251.58	486.31	4,248.40	2.95	520.77

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-near term.urb
Project Name: Graton Alt D - Reduced Density Near Term
Project Location: San Francisco Bay Area
On Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.04	0.23	0.33	0.00	0.00
TOTALS (tpy, mitigated)	0.04	0.19	0.26	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIMA	TES			
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	53.85	108.47	822.94	0.56	99.48
TOTALS (tpy, mitigated)	51.46	103.62	786.10	0.53	95.04
SUM OF AREA AND OPERATIONAL EMI	SSION	ESTIMATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	53.89	108.70	823.26	0.56	99.49
	51.49	103.81	786.36	0.53	95.04

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URBEMIS 2002 For Windows 8.7.0

 $\texttt{C:\Program Files} \ \texttt{URBEMIS 2002 Version 8.7} \ \texttt{Projects2k2} \ \texttt{Graton V2} \ \texttt{Graton-Alt D-near term.urb}$ File Name: Graton Alt D - Reduced Density Near Term Project Name:

Project Location: San Francisco Bay Area

On Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES Source Natural Gas	(Summer ROG 0.09	Pounds per NOx 1.28	Day, Unmit CO 1.08	tigated) SO2 0	PM10 0.00
Hearth - No summer emissions	0.22	0.01	1.44	0.00	0.00
Landscaping		0.01	1.44	0.00	0.00
Consumer Prdcts	0.00	**	-		-
Architectural Coatings	0.05	~	-	-	_
TOTALS(lbs/day,unmitigated)	0.36	1.29	2.52	0.00	0.01
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Mitig	gated)	
AREA SOURCE EMISSION ESTIMATES Source	(Summer ROG	Pounds per NOx	Day, Mitig	gated) SO2	PM10
		-	- · · · ·		PM10 0.00
Source	ROG	NOx	co	SO2	
Source Natural Gas	ROG	NOx	co	SO2	
Source Natural Gas Hearth - No summer emissions	ROG 0.07	NOx 1.03	0.86	SO2 0	0.00
Source Natural Gas Hearth - No summer emissions Landscaping	ROG 0.07 0.18	NOx 1.03	0.86	SO2 0	0.00

Area Source Mitigation Measures

Residential Increase Efficiency Beyond Title 24

Percent Reduction: 20

Commercial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Industrial Increase Efficiency Beyond Title 24 Percent Reduction: 20

Residential Electric Landscape Maintenance Equipment

Percent Reduction: 20 Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

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UNMITIGATED OPERATIONAL EMISSIONS

Casino Hotel	ROG 255.70 7.17	NOx 496.28 11.68	CO 4,343.16 102.25	SO2 3.01 0.07	PM10 532.58 12.54
TOTAL EMISSIONS (lbs/day)	262.87	507.97	4,445.42	3.09	545.12

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino Hotel		39.43 trips/1000 sq. ft. 2.72 trips/rooms	293.0011 100.00	,552.99 272.00

Sum of Total Trips 11,824.99
Total Vehicle Miles Traveled 360,124.90

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lb	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite Heavy 10,001-14,00	0 0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.90	0.00	11.10	88.90
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

	Residential			Commercial		
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	15.0 30.0	Home- Shop 35.5 10.0 50.0 21.2	Home- Other 35.5 10.0 50.0 51.5	Commute 11.8 15.0 30.0	Non-Work 0 35.5 35.5 50.0	Sustomer 35.5 35.5 50.0
% of Trips - Commercial (I Casino Hotel			3110	5.0 5.0	2.5 2.5	92.5 92.5

MITIGATED OPERATIONAL EMISSIONS

Casino Hotel	ROG 244.38 6.91	NOx 474.11 11.16	CO 4,148.71 97.68	SO2 2.88 0.07	PM10 508.79 11.98
TOTAL EMISSIONS (lbs/day) PERCENTAGE REDUCTION %	251.28 4	485.27 4	4,246.39	2.95 4	520.77 4

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino (Worker Trip Rate:	36 81)	37.68 trips/1000 sq. ft.	293.0011	,041.28
Hotel (Worker Trip Rate:	,	2.60 trips/rooms	100.00	259.95
(WOINEL TITE RACE:	2.34)			

Sum of Total Trips 11,301.23 Total Vehicle Miles Traveled 344,037.73

Vehicle Assumptions:

Fleet Mix:

Vehicle Type Light Auto Light Truck < 3,750 lbs	Percent Type 55.00 5 15.00	Non-Catalyst 1.60 2.70	Catalyst 98.00 95.30	Diesel 0.40 2.00
Light Truck 3,751-5,750		1.20	97.50	1.30
Med Truck 5,751-8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

	Residential			Commercial		
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work (
Urban Trip Length (miles)	11.8	35.5	35.5	11.8	35.5	35.5
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	35.5	35.5
Trip Speeds (mph)	30.0	50.0	50.0	30.0	50.0	50.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (by land ι	ıse)				
Casino Hotel	-			5.0 5.0	2.5 2.5	92.5 92.5

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MITIGATION OPTIONS SELECTED

Non-Residential Mitigation Measures _____

 ${\tt Non-Residential\ Local-Serving\ Retail\ Mitigation}$

Percent Reduction in Trips is 2%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0.25%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 2.18%

Inputs Selected:

The Number of Intersections per Square Mile is 100

The Percent of Streets with Sidewalks on One Side is 50%

The Percent of Streets with Sidewalks on Both Sides is 10%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 30%

Non-Residential Free Transit Passes Mitigation

Percent Reduction in Trips is 0.06%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The Free Transit Passes checkbox was selected.

Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.24%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Showers/Changing Facilities Provided' measure was selected The 'Guaranteed Ride Home Program Provided' measure was selected

The 'Information provided on Transportation Alternatives' measure was selected

The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

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Changes made to the default values for Land Use Trip Percentages
The Primary Trip % for Blank changed from 90 to 85
The Diverted Trip % for Blank changed from 10 to 15
The Primary Trip % for Hotel changed from 60 to 85
The Diverted Trip % for Hotel changed from 35 to 15
The Pass-By Trip % for Hotel changed from 5 to 0
Changes made to the default values for Area
The hearth option switch changed from on to off.
The area source mitigation measure option switch changed from off to on.
The landscape year changed from 2005 to 2007.
The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.
The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.
Mitigation measure Residential Increase Efficiency Beyond Title 24
     has been changed from off to on.
Mitigation measure Commercial Increase Efficiency Beyond Title 24
     has been changed from off to on.
Mitigation measure Industrial Increase Efficiency Beyond Title 24
     has been changed from off to on.
Mitigation measure Residential Electric Landscape Maintenance Equipment
     has been changed from off to on.
Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment
     has been changed from off to on.
Changes made to the default values for Operations
The mitigation option switch changed from off to on.
The operational emission year changed from 2005 to 2008.
The home based work selection item changed from
                                                  7 to 6.
The home based shopping trip speed changed from 30 to 50.
The home based shopping selection item changed from 7 to 10.
The home based shopping urban trip length changed from 4.6 to 35.5.
The home based other trip speed changed from 30 to 50.
The home based other selection item changed from 7 to 10.
The home based other urban trip length changed from 6.1 to 35.5.
The commercial based commute selection item changed from 7 to 6.
The commercial based non-work trip speed changed from 30 to 50.
The commercial based non-work selection item changed from 7 to 10.
The commercial based non-work urban trip length changed from 5.0 to 35.5.
The commercial based non-work rural trip length changed from 10 to 35.5.
The commercial based customer trip speed changed from 30 to 50.
The commercial based customer selection item changed from 7 to 10.
The commercial based customer urban trip length changed from 5.0 to 35.5.
The commercial based customer rural trip length changed from 10 to 35.5. The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.
The Res and Non-Res Transit Service Mitigation changed from off to on.
The Res and Non-Res Ped/Bike Mitigation changed from off to on.
The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on.
```

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URBEMIS 2002 For Windows 8.7.0

File Name.

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-long term.urb
Project Name:

Project Location:

On-Road Motor Vehicle Emissions

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-long term.urb
File Name.

Graton Alt D - Reduced Density Long Term
San Francisco Bay Area
On-Road Motor Vehicle Emissions

Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmıtıgated)	0.32	1.30	2.34	0.00	0.00
OPPRESONAL (MENTELE) ENTERTON	DOSTANDO				
OPERATIONAL (VEHICLE) EMISSION		***	20	900	D161 0
	ROG	NOx	CO	S02	PM10
MOMALS (lbs/days upmatisated)	103.08	173.34	1,682.54	3.06	543.27
TOTALS (lbs/day,unmitigated)	103.00	1/3.34	1,002.34	3.00	543.27
SUM OF AREA AND OPERATIONAL EMI	CCTON FORT	MATTE			
Son of Andr and of Buttleine Bill	ROG	NOx	00	SO2	PM10
			CO		
TOTALS (lbs/day,unmitigated)	103.40	174.64	1,684.88	3.07	543.27

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-long term.urb
Project Name: Graton Alt D - Reduced Density Long Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES TOTALS (tpy, unmitigated)	ROG 0.04	NOx 0.24	CO 0.31	SO2 0.00	PM10 0.00
OPERATIONAL (VEHICLE) EMISSION TOTALS (tpy, unmitigated)	ESTIMA ROG 21.06	NOX 37.01	CO 309.14	SO2 0.56	PM10 99.15
SUM OF AREA AND OPERATIONAL EMITTOTALS (tpy, unmitigated)	SSION ROG 21.10	ESTIMATES NOx 37.25	CO 309.45	SO2 0.56	PM10 99.15

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URBEMIS 2002 For Windows 8.7.0

File Name:

Project Name:

Project Location:

On-Road Motor Vehicle Emissions

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-long term.urb

Reduced Density Long Term

San Francisco Bay Area

On-Road Motor Vehicle Emissions

Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.09	1.28	1.08	0	0.00
Hearth - No summer emissions					
Landscaping	0.18	0.02	1.26	0.00	0.00
Consumer Prdcts	0.00		-	-	-
Architectural Coatings	0.05		-	_	_
TOTALS(lbs/day,unmitigated)	0.32	1.30	2.34	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	100.08	169.35	1,643.84	2.99	530.77
Hotel	3.00	3.99	38.70	0.07	12.50
TOTAL EMISSIONS (lbs/day)	103 08	173 34	1.682 54	3.06	543.27

Includes correction for passby trips. Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trıp Rate	No. Total Units Trips
Casıno		39.43 trips/1000 sq. ft.	293.0011,552.99
Hotel		2.72 trips/rooms	100.00 272.00

Sum of Total Trips 11,824.99
Total Vehicle Miles Traveled 360,124.90

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	s 15.30	0.70	98.00	1.30
Light Truck 3,751-5,750	16.40	0.60	98.80	0.60
Med Truck 5,751-8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

	I	Residential	1			
	Home-	Home-	Home-			
	Work	Shop	Other	Commute	Non-Work (Customer
Urban Trip Length (miles)	11.8	35.5	35.5	11.8	35.5	35.5
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	35.5	35.5
Trip Speeds (mph)	30.0	50.0	50.0	30.0	50.0	50.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial	by land i	158)				
Casino	by rand (1507		5.0	2.5	92.5
Hotel				5.0	2.5	92.5

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off. The landscape year changed from 2005 to 2020. The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013. The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2020. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5.

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-near term con:
Project Name: Graton Alt D - Reduced Density Near Term Const
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (lbs/day,unmitigated)	ROG 12.59	NOx 79.87	CO 106.82	SO2 0.00	PM10 TOTAL 42.17	PM10 EXHAUST 3.16	PM10 DUST 39.01
*** 2008 *** TOTALS (lbs/day,unmit1gated)	ROG 46.89	NOx 54.96	CO 76.77	SO2 0.01	PM10 TOTAL 2.41	PM10 EXHAUST 2.10	PM10 DUST 0.31

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URBEMIS 2002 For Windows 8.7.0

File Name:

Project Name:

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-near term con:

Project Name:

Project Location:

On-Road Motor Vehicle Emissions

Graton Alt D - Reduced Density Near Term Const

San Francisco Bay Area

On-Road Motor Vehicle Emissions

Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (tpy, unmitigated)	ROG 0.56	NOx 3.67	CO 4.57	SO2 0.00	TOTAL 0.73	PMIO EXHAUST 0.16	DUST 0.57
*** 2008 *** TOTALS (tpy, unmitigated)	ROG 0.81	NOx 2.20	CO 2.93	SO2 0.00	PM10 TOTAL 0.10	PM10 EXHAUST 0.09	PM10 DUST 0.01

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt D-near term constration Alt D - Reduced Density Near Term Const File Name:

Project Name:

San Francisco Bay Area Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007

Construction Duration: 12

Total Land Use Area to be Developed: 15.7 acres Maximum Acreage Disturbed Per Day: 3.9 acres Single Family Units: 0 Multi-Family Units: 0

Retail/Office/Institutional/Industrial Square Footage: 343000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (1bs/day)

CONSTRUCTION EMISSION ESTIMA	TES UNMITI	GATED (1bs	s/day)		DM1.0	DW1 0	Dw1.0
Source *** 2007***	ROG	NOx	co	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
Phase 1 - Demolition Emission	n s						
Fugitive Dust	-	_	_	_	0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00		0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum 1bs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	nons						
Fugitive Dust	-	-	_	-	39.00	_	39.00
Off-Road Diesel	12.45	79.69	103.54	-	3.15	3.15	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maximum lbs/day	12.59	79.87	106.82	0.00	42.17	3.16	39.01
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel	5.23	39.92	38.72	_	1.78	1.78	0.00
Bldg Const Worker Trips	0.85	0.51	10.87	0.00	0.16	0.01	0.15
Arch Coatings Off-Gas	0.00	-	-		-	-	-
Arch Coatings Worker Trips		0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	_	-	
Asphalt Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	6.08	40.44	49.59	0.00	1.94	1.79	0.15
Max lbs/day all phases	12.59	79.87	106.82	0.00	42.17	3.16	39.01
*** 2008***							
Phase 1 - Demolition Emissio Fugitive Dust	ns	_	_		0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
_					0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions				0.00		0.00
Fugitive Dust	0.00	- 0.0	-	-	0.00		0.00
	0.00	0.00 0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips Maximum lbs/day	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
Phase 3 - Building Construct		20.00	40.13				0
3	5.23	37.98	40.13		1.62	1.62	0.00
Bldg Const Worker Trips	0.78	0.48	10.13	0.00	0.16	0.01	0.15
Arch Coatings Off-Gas	36.85			-		-	-
Arch Coatings Worker Trips	0.70	0.33	8.32	0.00	0.16	0.01	0.15
Asphalt Off-Gas	0.93	12 07	10 01	-	0.36	0 26	-
Asphalt Off-Road Diesel	2.24	12.97	19.01	0 01	0.36	0.36	0.00
Asphalt Worker Trips	0.24 0.01	3.35 0.00	0.88 0.12	0.01	0.10	0.10 0.00	0.00 0.00
Asphalt Worker Trips Maximum lbs/day	46.89	54.96	76.77	0.00	2.41	2.10	0.00
_							
Max lbs/day all phases	46.89	54.96	76.77	0.01	2.41	2.10	0.31

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Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions Start Month/Year for Phase 2: Jun '07 Phase 2 Duration: 1.3 months On-Road Truck Travel (VMT): 0

Off-Road Equipment

vo.	Type	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Rubber Tired Loaders	165	0.465	8.0
1	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	7 9	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '07

Phase 3 Duration: 10.7 months
Start Month/Year for SubPhase Building: Jul '07
SubPhase Building Duration: 10.7 months
Off-Road Equipment

No	Туре	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0
Start M	Nonth/Year for SubPhase Architectura	l Coatings:	Apr '08	
SubPhas	e Architectural Coatings Duration:	1.1 months		

Start Month/Year for SubPhase Asphalt: May '08 SubPhase Asphalt Duration: 0.5 months

Acres to be Paved: 3.9

Off-Road Equipment

No	Type	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0 The Primary Trip % for Office park changed from 80 to 100 The Diverted Trip % for Office park changed from 15 to 0 The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (residential) changed from 0.0185 to 0.0013 Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0013

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-near term.urb

Project Name: Graton Alt E- Business Park Near Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT

(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	SO2	PM1.0
TOTALS (lbs/day,unmitigated)	0.84	1.78	2.93	0.00	0.01
TOTALS (lbs/day, mitigated)	0.77	1.42	2.34	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION H	ESTIMATES				
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	60.23	68.04	718.45	0.49	69.52
TOTALS (lbs/day, mitigated)	57.42	64.48	680.71	0.47	65.85
SUM OF AREA AND OPERATIONAL EMIS	SSION ESTIM	IATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	61.07	69.82	721.38	0.49	69.52
TOTALS (lbs/day, mitigated)	58.19	65.90	683.06	0.47	65.85

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-near term.urb

Project Name: Project Location: Graton Alt E- Business Park Near Term

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATE	S				
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.11	0.32	0.40	0.00	0.00
TOTALS (tpy, mitigated)	0.10	0.26	0.32	0.00	0.00
OPERATIONAL (VEHICLE) EMISSIC	N ESTIMAT	rrq			
Oraniii (Vanical) anibale	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	11.49	14.53	135.21	0.08	12.69
TOTALS (tpy, mitigated)	10.93	13.77	128.14	0.08	12.02
(op1) moorgarea,	20150	237	120111	0.00	12.01
CIN OF AREA AND OREDAMIONAL I	MTGGTON I	7.00T.142.00D.0			
SUM OF AREA AND OPERATIONAL E					
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	11.60	14.85	135.61	0.08	12.69
TOTALS (tpy, mitigated)	11.03	14.03	128.46	0.08	12.02

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-near term.urb

Project Name: Graton Alt E- Business Park Near Term

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES Source Natural Gas Hearth - No summer emissions	(Summer ROG 0.13	Pounds per NOx 1.77	Day, Unmi CO 1.49	tigated) SO2 0	PM10 0.00
Landscaping	0.22	0.01	1.44	0.00	0.00
Consumer Prdcts	0.00	_		_	_
Architectural Coatings	0.49	-		-	-
TOTALS(lbs/day,unmitigated)	0.84	1.78	2.93	0.00	0.01
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Miti	gated)	
AREA SOURCE EMISSION ESTIMATES Source	(Summer ROG	Pounds per NOx	Day, Miti	gated) SO2	PM10
		-	-	_	PM10 0.00
Source	ROG	NOx	CO	S02	
Source Natural Gas	ROG	NOx	CO	S02	
Source Natural Gas Hearth - No summer emissions	ROG 0.10	NOx 1.42	CO 1.19	SO2 0	0.00
Source Natural Gas Hearth - No summer emissions Landscaping	ROG 0.10 0.18	NOx 1.42	CO 1.19	SO2 0	0.00

Area Source Mitigation Measures

Residential Increase Efficiency Beyond Title 24

Percent Reduction: 20

Commercial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Industrial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Residential Electric Landscape Maintenance Equipment

Percent Reduction: 20

Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Regnl shop. center	28.53	33.93	351.15	0.24	33.72
General light industry	31.71	34.10	367.30	0.25	35.80
TOTAL EMISSIONS (lbs/day)	60.23	68.04	718.45	0.49	69.52

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip	Rate			No. Units		Total Trips
Regnl shop. center General light industry			trips/1000 trips/1000	-				294.00 788.00
			Sum	of	Total	Trips	7.	082.00

Sum of Total Trips 7,082.00 Total Vehicle Miles Traveled 45,473.18

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lb	s 15.00	2.70	95.30	2.00
Light Truck 3,751-5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.90	0.00	11.10	88.90
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

114191 3311413115	Residential			Commercial			
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work C	ustomer	
Urban Trip Length (miles)	11.8	4.6	6.1	11.8	5.0	5.0	
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	10.0	10.0	
Trip Speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0	
% of Trips - Residential	27.3	21.2	51.5				
% of Trips - Commercial (bv land	use)					
Regnl shop. center	-1			2.0	1.0	97.0	
General light industry				50.0	25.0	25.0	

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Regnl shop, center	27.29	32.40	335.25	0.23	32.19
General light industry	30.13	32.08	345.46	0.24	33.66
TOTAL EMISSIONS (lbs/day)	57.42	64.48	680.71	0.47	65.85
PERCENTAGE REDUCTION %	5	5	5	5	כ'

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trıp Rate	No. Total Units Trips
Regnl shop. center	00)	41.04 trips/1000 sq. f	100.00 4,103.81
(Worker Trip Rate: 40 General light industry (Worker Trip Rate: 6.5		6.66 trips/1000 sq. f	. 400.00 2,664.51

Sum of Total Trips 6,768.32
Total Vehicle Miles Traveled 43,074.38

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751-8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Traver Conditions	Residential			Commercial			
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work (Customer	
Urban Trip Length (mıles)	11.8	4.6	6.1	11.8	5.0	5.0	
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	10.0	10.0	
Trip Speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0	
% of Trips - Residential	27.3	21.2	51.5				
% of Trips - Commercial (by land ι	ıse)					
Regnl shop. center General light industry	-			2.0 50.0	1.0 25.0	97.0 25.0	

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MITIGATION OPTIONS SELECTED

Non-Residential Mitigation Measures

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0.25%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 2.18%

Inputs Selected:

The Number of Intersections per Square Mile is 100 The Percent of Streets with Sidewalks on One Side is 50%

The Percent of Streets with Sidewalks on Both Sides is 10%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 30%

Non-Residential Free Transit Passes Mitigation

Percent Reduction in Trips is 0.06%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The Free Transit Passes checkbox was selected.

Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.24%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Secure Bike Parking' measure was selected

The 'Showers/Changing Facilities Provided' measure was selected

The 'Guaranteed Ride Home Program Provided' measure was selected

The 'Information provided on Transportation Alternatives' measure was selected

The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.
The area souce mitigation measure option switch changed from off to on.
The landscape year changed from 2005 to 2007.
The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.
The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.
Mitigation measure Residential Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Commercial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Industrial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Residential Electric Landscape Maintenance Equipment
 has been changed from off to on.
Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment
 has been changed from off to on.

Changes made to the default values for Operations

The pass by trips option switch changed from on to off.
The mitigation option switch changed from off to on.
The operational emission year changed from 2005 to 2008.
The home based work selection item changed from 7 to 6.
The home based shopping selection item changed from 7 to 6.
The home based other selection item changed from 7 to 6.
The commercial based commute selection item changed from 7 to 6.
The commercial based non-work selection item changed from 7 to 6.
The commercial based customer selection item changed from 7 to 6.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.
The Res and Non-Res Ped/Bike Mitigation changed from off to on.
The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on.

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-long term.urb File Name:

Project Name: Graton Alt E- Business Park Long Term

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	200		90	goō	Dist 0
TOTALS (lbs/day,unmitigated)	ROG 0.80	NOx 1.79	co 2.75	SO2 0.00	PM10 0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	24.22	23.80	273.96	0.49	69.21
SUM OF AREA AND OPERATIONAL EMI	SSION ESTIM	MATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	25.02	25.59	276.71	0.49	69.22

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URBEMIS 2002 For Windows 8.7.0

 $\hbox{C:\Program Files$\backslash URBEMIS 2002 Version 8.7\Projects2k2\Praton V2\Praton-Alt E-long term.urb Graton Alt E- Business Park Long Term } \\$ File Name:

Project Name:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES					
TOTALS (tpy, unmitigated)	ROG 0.10	NOx 0.33	0.39	SO2 0.00	PM10 0.00
OPERATIONAL (VEHICLE) EMISSION				77.0	
TOTALS (tpy, unmitigated)	ROG 4.49	NOx 5.08	CO 51.04	SO2 0.08	PM10 12.63
SUM OF AREA AND OPERATIONAL EMI			90	gan	D144.0
TOTALS (tpy, unmitigated)	ROG 4.60	NOx 5.40	CO 51.42	SO2 0.08	PM10 12.63

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-long term.urb File Name:

Project Name: Graton Alt E- Business Park Long Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmit	igated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.13	1.77	1.49	0	0.00
Hearth - No summer emissions					
Landscaping	0.18	0.02	1.26	0.00	0.00
Consumer Prdcts	0.00	-	-	=	-
Architectural Coatings	0.49	-	_	_	_
TOTALS(lbs/day,unmitigated)	0.80	1.79	2.75	0.00	0.01

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Regnl shop. center	11.40	11.92	133.76	0.24	33.57
General light industry	12.82	11.88	140.20	0.25	35.64
TOTAL EMISSIONS (lbs/day)	24.22	23.80	273.96	0.49	69.21

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Tot Units Tri	
Regnl shop. center General light industry		42.94 trips/1000 sq. ft. 6.97 trips/1000 sq. ft.	100.00 4,294. 400.00 2,788.	
		Sum of Total Total Total Vehicle Miles Trave	•	

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	s 15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751-8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	3 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential					
Urban Trip Length (miles)	Home- Work 11 8	Home- Shop 4.6	Home- Other 6.1	Commute	Non-Work (Customer 5.0
Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	15.0 30.0	10.0 30.0 21.2	10.0 30.0 51.5	15.0	10.0	10.0
% of Trips - Commercial (Regnl shop. center General light industry	by land us	se)		2.0 50.0	1.0 25.0	97.0 25.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off. The landscape year changed from 2005 to 2020. The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013. The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.

Changes made to the default values for Operations

The pass by trips option switch changed from on to off. The operational emission year changed from 2005 to 2020. The home based work selection item changed from 7 to 6. The home based shopping selection item changed from 7 to 6. The commercial based commute selection item changed from 7 to 6. The commercial based non-work selection item changed from 7 to 6. The commercial based customer selection item changed from 7 to 6.

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URBEMIS 2002 For Windows 8.7.0

File Name:

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-near term con:

Project Name:

Graton Alt E- Business Park Near Term Const San Francisco Bay Area

Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES							
*** 2007 ***	ROG	NOx	CO	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (lbs/day,unmitigated)	12.59	79.87	106.82	0.00	60.17	3.16	57.01
					PM10	PM10	PM10
*** 2008 ***	ROG	NOx	CO	S02	TOTAL	EXHAUST	DUST
TOTALS (lbs/day,unmitigated)	64.91	56.80	84.48	0.01	2.60	2.15	0.45

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-near term con: File Name:

Project Name: Graton Alt E- Business Park Near Term Const

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (tpy, unmitigated)	ROG 0.58	NOx 3.68	CO 4.85	SO2 0.00	PM10 TOTAL 0.99	PM10 EXHAUST 0.16	PM10 DUST 0.83
*** 2008 *** TOTALS (tpy, unmitigated)	ROG 1.03	NOx 2.23	CO 3.20	SO2 0.00	PM10 TOTAL 0.10	PM10 EXHAUST 0.09	PM10 DUST 0.01

URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt E-near term con: File Name:

Project Name: Project Location: Graton Alt E- Business Park Near Term Const

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007

Construction Duration: 12

Total Land Use Area to be Developed: 23 acres Maximum Acreage Disturbed Per Day: 5.7 acres Single Family Units: 0 Multi-Family Units: 0

Retail/Office/Institutional/Industrial Square Footage: 500000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	TES UNMITI	GATED (1bs	s/day)				
Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007***							
Phase 1 - Demolition Emissio	ns				0 00		0.00
Fugitive Dust	-	-	-	-	0.00	0.00	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maxımum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions						
Fugitive Dust			-	-	57.00		57.00
Off Road Diesel	12.45	79.69	103.54	_	3.15	3.15	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maximum lbs/day	12.59	79.87	106.82	0.00	60.17	3.16	57.01
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel	5.23	39.92	38.72	-	1.78	1.78	0.00
Bldg Const Worker Trips	1.22	0.74	15.63	0.00	0.23	0.01	0.22
Arch Coatings Off-Gas	0.00	-	-	-		-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	***	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	6.45	40.66	54.35	0.00	2.01	1.79	0.22
Max lbs/day all phases	12.59	79.87	106.82	0.00	60.17	3.16	57.01
*** 2008***							
Phase 1 - Demolition Emissio	ne						
Fugitive Dust	-	_			0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	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
Phase 2 - Site Grading Emiss	ıons						
Fugitive Dust	-	-	_	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maxımum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel	5.23	37.98	40.13	-	1.62	1.62	0.00
Bldg Const Worker Trıps	1.12	0.69	14.57	0.00	0.23	0.01	0.22
Arch Coatings Off-Gas	53.72	-	-	-	-	-	-
Arch Coatings Worker Trips	1.01	0.47	11.97	0.00	0.23	0.01	0.22
Asphalt Off-Gas	1.36	-	-	-	-	-	-
Asphalt Off-Road Diesel	2.24	12.97	19.01	-	0.36	0.36	0.00
Asphalt On-Road Diesel	0.34	4.89	1.28	0.01	0.15	0.14	0.01
Asphalt Worker Trips	0.01	0.00	0.12	0.00	0.00	0.00	0.00
Maximum lbs/day	64.91	56.80	84.48	0.01	2.60	2.15	0.45
Max lbs/day all phases	64.91	56.80	84.48	0.01	2.60	2.15	0.45

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions Start Month/Year for Phase 2: Jun '07

Phase 2 Duration: 1.3 months On-Road Truck Travel (VMT): 0

Off-Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Rubber Tired Loaders	165	0.465	8.0
1	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions Start Month/Year for Phase 3: Jul '07

Phase 3 Duration: 10.7 months

Start Month/Year for SubPhase Building: Jul '07

SubPhase Building Duration: 10.7 months

Off-Road Equipment

1 Concrete/Industrial saws 84 0.730	urs/Day
	8.0
2 Other Equipment 190 0.620	8.0

Start Month/Year for SubPhase Architectural Coatings: Apr '08

SubPhase Architectural Coatings Duration: 1.1 months

Start Month/Year for SubPhase Asphalt: May '08 SubPhase Asphalt Duration: 0.5 months Acres to be Paved: 5.7 Off Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100
The Diverted Trip % for Blank changed from 10 to 0
The Primary Trip % for Hotel changed from 60 to 100
The Diverted Trip % for Hotel changed from 35 to 0
The Pass-By Trip % for Hotel changed from 5 to 0
The Primary Trip % for Office park changed from 80 to 100
The Diverted Trip % for Office park changed from 15 to 0
The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (residential) changed from 0.0185 to 0.0013 Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0013

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-near term.urb

Graton Alt F- Lakeview Near Term

Project Name: Project Location:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT

(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	2.60	3.86	4.68	0.00	0.01
TOTALS (lbs/day, mitigated)	2.50	3.09	3.74	0.00	0.01
TOTALD (IDD) day, matergated,	2.50	3.03	3.74	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES				
OPERATIONAL (VEHICLE) EMISSION					
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	377.57	726.12	6,354.58	4.41	779.23
TOTALS (lbs/day, mitigated)	361.67	694.97	6,081.33	4.22	745.80
Tollies (188) day, misigated,	301.07	051.57	0,001.55		, 13.00
SUM OF AREA AND OPERATIONAL EMI	SSION ESTI	MATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	380.18	729.98	6,359.26	4.41	779.24
TOTALS (lbs/day, mitigated)	364.17	698.05	6,085.08	4.22	745.81
TOTTIBD (IDD) day, miletydeed)	501.17	050.05	0,005.00	4.22	,43.01

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URBEMIS 2002 For Windows 8.7.0

 $\begin{tabular}{ll} C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-near term.urb Graton Alt F- Lakeview Near Term \\ \end{tabular}$ File Name: Project Name:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	0.35	0.70	0.72	0.00	0.00
TOTALS (tpy, mitigated)	0.33	0.56	0.58	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIMA	ATES			
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	77.19	155.05	1,176.36	0.80	142.21
TOTALS (tpy, mitigated)	73.91	148.40	1,125.78	0.77	136.11
SUM OF AREA AND OPERATIONAL EM	ISSION				
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	77.54	155.75	1,177.08	0.80	142.21
TOTALS (tpy, mitigated)	74.25	148.96	1,126.36	0.77	136.11

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-near term.urb

Project Name: Graton Alt F- Lakeview Near Term

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmit:	igated)	
Source	ROG	NOx	CO	S02	PM10
Natural Gas	0.28	3.85	3.23	0	0.01
Hearth - No summer emissions					
Landscaping	0.22	0.01	1.44	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	2.10	_	_	-	_
TOTALS(lbs/day,unmitigated)	2.60	3.86	4.68	0.00	0.01
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Mitiga	ated)	
AREA SOURCE EMISSION ESTIMATES Source	(Summer ROG	Pounds per NOx	Day, Mitiga CO	ated) SO2	PM10
		-			PM10 0.01
Source	ROG	NOx	co	SO2	
Source Natural Gas	ROG	NOx	co	SO2	
Source Natural Gas Hearth - No summer emissions	ROG 0.22	NOx 3.08	co 2.59	SO2 0	0.01
Source Natural Gas Hearth - No summer emissions Landscaping	ROG 0.22 0.18	NOx 3.08	co 2.59	SO2 0	0.01

Area Source Mitigation Measures

Residential Increase Efficiency Beyond Title 24

Percent Reduction: 20

 ${\tt Commercial\ Increase\ Efficiency\ Beyond\ Title\ 24}$

Percent Reduction: 20

Industrial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Residential Electric Landscape Maintenance Equipment

Percent Reduction: 20

Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Casino	356.05	691.07	6,047.82	4.20	741.61
Hotel	21.52	35.05	306.76	0.21	37.62
TOTAL EMISSIONS (lbs/day)	377.57	726.12	6,354.58	4.41	779.23

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Total Units Trips
Casino Hotel		39.43 trips/1000 sq. ft. 2.72 trips/rooms	408.0016,087.44 300.00 816.00
		Sum of Total T Total Vehicle Miles Trav	-

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 1bs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,75	16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 1bs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
The control of the co	Home- Work	Home- Shop	Home- Other	Commute	Non-Work	
Urban Trip Length (miles)		35.5	35.5	11.8	35.5	35.5
Rural Trip Length (miles)		10.0	10.0	15.0	35.5	35.5
Trip Speeds (mph)	30.0	50.0	50.0	30.0	50.0	50.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (Casino Hotel	by land	use)		5.0 5.0	2.5 2.5	92.5 92.5

MITIGATED OPERATIONAL EMISSIONS

Casıno Hotel	ROG 340.92 20.75	NOx 661.42 33.55	CO 5,787.76 293.57	SO2 4.02 0.20	PM10 709.80 36.00
TOTAL EMISSIONS (lbs/day) PERCENTAGE REDUCTION %	361.67 4	694.97 4	6,081.33	4.22 4	745.80 4

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Casino (Worker Trip Rate:	36 891	37.75 trips/1000 sq. ft.	408.0015	,403.35
Hotel (Worker Trip Rate:		2.60 trips/rooms	300.00	781.30

Sum of Total Trips 16,184.65
Total Vehicle Miles Traveled 492,702.78

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lb	s 15.00	2.70	95.30	2.00
Light Truck 3,751 - 5,75	16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.90	0.00	11.10	88.90
Line Haul > 60,000 lb	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	15.0 30.0	Home- Shop 35.5 10.0 50.0 21.2	Home- Other 35.5 10.0 50.0 51.5	Commute 11.8 15.0 30.0	Non-Work 0 35.5 35.5 50.0	35.5 35.5 50.0
% of Trips - Commercial (Casino Hotel	by land u:	se)		5.0 5.0	2.5 2.5	92.5 92.5

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MITIGATION OPTIONS SELECTED

Non-Residential Mitigation Measures

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0.24%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 2.01%

Inputs Selected:

The Number of Intersections per Square Mile is 25

The Percent of Streets with Sidewalks on One Side is 50%

The Percent of Streets with Sidewalks on Both Sides is 10%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 30%

Non-Residential Free Transit Passes Mitigation

Percent Reduction in Trips is 0.06%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The Free Transit Passes checkbox was selected.

Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.23%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Guaranteed Ride Home Program Provided' measure was selected

The 'Information provided on Transportation Alternatives' measure was selected

The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.

The area souce mitigation measure option switch changed from off to on.
The landscape year changed from 2005 to 2007.
Mitigation measure Residential Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Commercial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Industrial Increase Efficiency Beyond Title 24
 has been changed from off to on.
Mitigation measure Residential Electric Landscape Maintenance Equipment
 has been changed from off to on.
Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment

Changes made to the default values for Operations

has been changed from off to on.

The mitigation option switch changed from off to on. The operational emission year changed from 2005 to 2008. The home based work selection item changed from 7 to 6. The home based shopping trip speed changed from 30 to 50. The home based shopping selection item changed from 7 to 10. The home based shopping urban trip length changed from 4.6 to 35.5. The home based other trip speed changed from 30 to 50. The home based other selection item changed from 7 to 10. The home based other urban trip length changed from 6.1 to 35.5. The commercial based commute selection item changed from 7 to 6. The commercial based non-work trip speed changed from 30 to 50. The commercial based non-work selection item changed from 7 to 10. The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5. The commercial based customer trip speed changed from 30 to 50. The commercial based customer selection item changed from 7 to 10. The commercial based customer urban trip length changed from 5.0 to 35.5. The commercial based customer rural trip length changed from 10 to 35.5. The Res and Non-Res Local-Serving Retail Mitigation changed from off to on. The Res and Non-Res Transit Service Mitigation changed from off to on. The Res and Non-Res Ped/Bike Mitigation changed from off to on. The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on. Page: 1 01/08/2007 9:36 AM

TOTALS (lbs/day,unmitigated)

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-long term.urb

4.38

776.60

Project Name: Graton Alt F- Lakeview Long Term

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	500			~~~	
TOTALS (lbs/day,unmitigated)	ROG 2.56	NOx 3.87	4.50	0.00	PM10 0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	148.37	247.79	2,405.13	4.38	776.59
SUM OF AREA AND OPERATIONAL EMI	SSION ESTIN	MATES NOx	со	SO2	PM10

150.93 251.65 2,409.63

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-long term.urb

Project Name: Project Location: Graton Alt F- Lakeview Long Term

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES					
TOTALS (tpy, unmitigated)	ROG 0.34	NOx 0.70	CO 0.70	SO2 0.00	PM1 0
ODEDAGIONAL (VEUTOLE) EMICCION	E COLT M	AME C			
OPERATIONAL (VEHICLE) EMISSION	ROG	NOX	со	SO2	PM10
TOTALS (tpy, unmitigated)	30.23	52.91	441.91	0.79	141.73
SUM OF AREA AND OPERATIONAL EM	ISSION	ESTIMATES			
TOTAL (the same to sate 4)	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	30.58	53.61	442.61	0.79	141.73

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URBEMIS 2002 For Windows 8.7.0

 $\texttt{C:\Program Files} \ \texttt{URBEMIS 2002 Version 8.7} \ \texttt{Projects2k2} \\ \texttt{Graton V2} \\ \texttt{Graton-Alt F-long term.urb length}$ File Name:

Project Name: Graton Alt F- Lakeview Long Term

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.85	3.23	0	0.01
Hearth - No summer emissions					
Landscaping	0.18	0.02	1.26	0.00	0.00
Consumer Prdcts	0.00	-	_	_	
Architectural Coatings	2.10	-	_	_	-
TOTALS(lbs/day,unmitigated)	2.56	3.87	4.50	0.00	0.01

UNMITIGATED OPERATIONAL EMISSIONS

Casino Hotel	ROG 139.36 9.01		CO 2,289.03 116.11	SO2 4.17 0.21	PM10 739.10 37.49
TOTAL EMISSIONS (lbs/day)	148.37	247.79	2,405.13	4.38	776.59

Includes correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate		No. Units	Total Trips
Casıno Hotel		39.43 trips/1000 2.72 trips/room	-	408.00 300.00	16,087.44 816.00
		Sum	of Total	Trips	16.903.44

Sum of Total Trips 16,903.44
Total Vehicle Miles Traveled 514,786.87

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lb	s 15.30	0.70	98.00	1.30
Light Truck 3,751- 5,75	0 16.40	0.60	98.80	0.60
Med Truck 5,751-8,50	0 7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.80	0.00	0.00	100.00
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

.,	Residential Home- Home- Home-			Commercial			
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	Work 11.8 15.0 30.0	Shop 35.5 10.0 50.0 21.2	Other 35.5 10.0 50.0 51.5	Commute 11.8 15.0 30.0	Non-Work 0 35.5 35.5 50.0	35.5 35.5 50.0	
% of Trips - Commercial (Casino Hotel	by land	use)		5.0 5.0	2.5 2.5	92.5 92.5	

Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 85 The Diverted Trip % for Blank changed from 10 to 15 The Primary Trip % for Hotel changed from 60 to 85 The Diverted Trip % for Hotel changed from 35 to 15 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off. The landscape year changed from 2005 to 2020.

Changes made to the default values for Operations

```
The operational emission year changed from 2005 to 2020.
The home based work selection item changed from 7 to 6.
The home based shopping trip speed changed from 30 to 50.
The home based shopping selection item changed from 7 to 10.
The home based shopping urban trip length changed from 4.6 to 35.5.
The home based other trip speed changed from 30 to 50.
The home based other selection item changed from 7 to 10.
The home based other urban trip length changed from 6.1 to 35.5.
The commercial based commute selection item changed from 7 to 6.
The commercial based non-work trip speed changed from 30 to 50.
The commercial based non-work selection item changed from 7 to 10.
The commercial based non-work urban trip length changed from 5.0 to 35.5. The commercial based non-work rural trip length changed from 10 to 35.5.
The commercial based customer trip speed changed from 30 to 50.
The commercial based customer selection item changed from 7 to 10.
The commercial based customer urban trip length changed from 5.0 to 35.5.
The commercial based customer rural trip length changed from 10 to 35.5.
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URBEMIS 2002 For Windows 8.7.0

 $\hbox{C:\Program Files} \ \hbox{URBEMIS 2002 Version 8.7} \ \hbox{Projects2k2} \ \hbox{Graton-Alt F-near term constants}$ File Name:

Project Name: Graton Alt F- Lakeview Near Term Const

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (lbs/day,unmitigated)	ROG 16.08	NOx 130.17	CO 119.80	SO2 0.11	PM10 TOTAL 68.88	PM10 EXHAUST 4.63	PM10 DUST 64.25
*** 2008 *** TOTALS (lbs/day,unmitigated)	ROG 71.54	NOx 57.50	CO 86.94	SO2 0.01	PM10 TOTAL 2.66	PM10 EXHAUST 2.17	PM10 DUST 0.49

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URBEMIS 2002 For Windows 8.7.0

File Name:

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-near term con:

Project Name:

Graton Alt F- Lakeview Near Term Const

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

COMCODITOTION	EMTCCTON.	COMITMATEC
CONSTRUCTION	CVITOOTON	POITMAIPO

*** 2007 *** TOTALS (tpy, unmitigated)	ROG 0.64	NOx 4.40	CO 5.12	SO2 0.00	PM10 TOTAL 1.12	PM10 EXHAUST 0.18	PM10 DUST 0.94
*** 2008 *** TOTALS (tpy, unmitigated)	ROG 1.11	NOx 2.24	CO 3.30	SO2 0.00	PM10 TOTAL 0.10	PM10 EXHAUST 0.09	PM10 DUST 0.01

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt F-near term con:

Project Name: Graton Alt F- Lakeview Near Term Const

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007

Construction Duration: 12

Total Land Use Area to be Developed: 25.6 acres Maximum Acreage Disturbed Per Day: 6.4 acres Single Family Units: 0 Multi-Family Units: 0

Retail/Office/Institutional/Industrial Square Footage: 558000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	ATES UNMITI	GATED (lbs	s/day)				
Source *** 2007***	ROG	NOx	СО	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
Phase 1 - Demolition Emission	ng						
Fugitive Dust	-	_	_		0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	sions						
Fugitive Dust	-	_	-	-	64.00	-	64.00
Off-Road Diesel	12.45	79.69	103.54	-	3.15	3.15	0.00
On-Road Diesel	3.49	50.30	12.98	0.11	1.71	1.47	0.24
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maxımum lbs/day	16.08	130.17	119.80	0.11	68.88	4.63	64.25
Phase 3 - Building Construct		20.00	20 50		4 50	4 = 4	
Bldg Const Off-Road Diesel	5.23	39.92	38.72	-	1.78	1.78	0.00
Bldg Const Worker Trips Arch Coatings Off-Gas	1.33	0.81	17.14	0.00	0.25	0.01	0.24
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0 00	0 00
Asphalt Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Road Diesel	0.00	0.00	0.00	_	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	6.57	40.73	55.86	0.00	2.03	1.79	0.24
Max lbs/day all phases	16.08	130.17	119.80	0.11	68.88	4.63	64.25
*** 2008***							
Phase 1 - Demolition Emissio	nc						
Fugitive Dust	_	_	_	_	0.00	_	0.00
	0.00	0.00	0.00	_	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day		0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions						
Fugitive Dust	-	-	=	-	0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct							
	5.23	37.98	40.13	_ ~	1.62	1.62	0.00
Bldg Const Worker Trips	1.23	0.76	15.98	0.00	0.25	0.01	0.24
Arch Coatings Off-Gas Arch Coatings Worker Trips	59.95 1.10	0.52	12 12	- 00		- 0.1	- 24
Asphalt Off-Gas	1.10	0.52	13.12	0.00	0.25	0.01	0.24
Asphalt Off-Road Diesel	2.24	12.97	19.01	_	0.36	0.36	0.00
Asphalt On-Road Diesel	0.39	5.49	1.44	0.01	0.17	0.16	0.00
Asphalt Worker Trips	0.01	0.00	0.12	0.00	0.00	0.00	0.00
Maximum lbs/day	71.54	57.50	86.94	0.01	2.66	2.17	0.49
Max lbs/day all phases	71.54	57.50	86.94	0.01	2.66	2.17	0.49

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions Start Month/Year for Phase 2: Jun '07 Phase 2 Duration: 1.3 months

On-Road Truck Travel (VMT): 2308 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Rubber Tired Loaders	165	0.465	8.0
1	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions Start Month/Year for Phase 3: Jul '07

Phase 3 Duration: 10.7 months

Start Month/Year for SubPhase Building: Jul '07

SubPhase Building Duration: 10.7 months

Off-Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0

Start Month/Year for SubPhase Architectural Coatings: Apr '08

SubPhase Architectural Coatings Duration: 1.1 months

Start Month/Year for SubPhase Asphalt: May '08 SubPhase Asphalt Duration: 0.5 months

Acres to be Paved: 6.4 Off-Road Equipment

O				
No.	Туре	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0 The Primary Trip % for Office park changed from 80 to 100 The Diverted Trip % for Office park changed from 15 to 0 The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (residential) changed from 0.0185 to 0.0013 Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0013

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-near term.urb File Name:

Project Name: Graton Alt G - NWSP Near Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT

(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	8.70	5.93	5.95	0.00	0.02
TOTALS (lbs/day, mitigated)	8.59	4.97	4.85	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES				
OPERATIONAL (VENTCHE) EMISSION	ROG	NOx	CO	S02	PM10
	1100	11021	60	502	11110
TOTALS (1bs/day,unmitigated)	129.27	127.28	1,324.25	0.84	116.94
TOTALS (lbs/day, mitigated)	126.22	124.08	1,290.86	0.82	113.99
SUM OF AREA AND OPERATIONAL EMI	SSION ESTI	MATES			
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	137.97	133.21	1,330.20	0.84	116.96
TOTALS (lbs/day, mitigated)	134.81	129.05	1,295.72	0.82	114.00

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-near term.urb File Name:

Graton Alt G - NWSP Near Term Project Name: Project Location:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES	5				
	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	1.53	1.08	0.95	0.00	0.00
TOTALS (tpy, mitigated)	1.52	0.91	0.78	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	I ESTIM	ATES			
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	25.35	27.04	258.48	0.14	21.34
TOTALS (tpy, mitigated)	24.74	26.36	251.98	0.14	20.80
CIRCON ADEL AND ODERACIONAL EN	T CCTON	DOMINAMEC			
SUM OF AREA AND OPERATIONAL EM		ESTIMATES		200	D1/1 0
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	26.89	28.12	259.43	0.14	21.34
TOTALS (tpy, mitigated)	26.26	27.26	252.76	0.14	20.80

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-near term.urb

Project Name: Graton Alt G - NWSP Near Term

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmit:	igated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.44	5.92	4.50	0	0.01
Hearth - No summer emissions					
Landscaping	0.22	0.01	1.44	0.00	0.00
Consumer Prdcts	7.39	_	-	_	-
Architectural Coatings	0.66	-	-	-	-
TOTALS(lbs/day,unmitigated)	8.70	5.93	5.95	0.00	0.02
AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Mitiga	ated)	
AREA SOURCE EMISSION ESTIMATES Source	(Summer ROG	Pounds per NOx	Day, Mitiga CO	ated) SO2	PM10
		-			PM10 0.01
Source	ROG	NOx	co	SO2	
Source Natural Gas	ROG	NOx	co	SO2	
Source Natural Gas Hearth - No summer emissions	ROG 0.37	NOx 4.97	CO 3.70	SO2 0	0.01
Source Natural Gas Hearth - No summer emissions Landscaping	ROG 0.37 0.18	NOx 4.97	CO 3.70	SO2 0	0.01

Area Source Mitigation Measures

Commercial Increase Efficiency Beyond Title 24

Percent Reduction: 20

Commercial/Industrial Electric Landscape Maintenance Equipment

Percent Reduction: 20

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Apartments low rise	10.48	10.11	110.46	0.07	10.24
Regnl shop. center	118.79	117.17	1,213.79	0.77	106.70
TOTAL EMISSIONS (lbs/day)	129.27	127.28	1,324.25	0.84	116.94

Includes correction for passby trips.

Includes the following double counting adjustment for internal trips: Residential trips: 0.00 % reduction. Nonresidential trips: 0.00 % reduction.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Total Units Trips
Apartments low rise Regnl shop. center	9.44	6.90 trips/dwelling unit 42.94 trips/1000 sq. ft.	151.00 1,041.90 495.0021,255.30
		Sum of Total Tr Total Vehicle Miles Trave	-

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lb	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,75	0 16.20	1.20	97.50	1.30
Med Truck 5,751-8,50	0 7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0 0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0 0.90	0.00	11.10	88.90
Line Haul > 60,000 lb	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

Traver conditions	Residential			Commercial		
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.8	4.6	6.1	11.8	5.0	5.0
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	10.0	10.0
Trip Speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (by land	use)				
Regnl shop. center	-			2.0	1.0	97.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Apartments low rise	10.26	9.86	107.75	0.07	9.99
Regnl shop. center	115.96	114.22	1,183.12	0.75	104.00
TOTAL EMISSIONS (lbs/day) PERCENTAGE REDUCTION %	126.22	124.08	1,290.86 3	0.82	113.99 3

Includes correction for passby trips.
Includes the following double counting adjustment for internal trips:
Residential trips: 0.00 % reduction. Nonresidential trips:

0.00 % reduction.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate		No. Units	Total Trips
Apartments low rise Regnl shop. center (Worker Trip Rate: 4	9.44	6.73 trips/dwellin 41.90 trips/1000 sq	_	151.00 1 495.0020	•

Sum of Total Trips 21,755.55 Total Vehicle Miles Traveled 74,467.29

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	s 15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751-8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.8	4.6	6.1	11.8	5.0	5.0
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	10.0	10.0
Trip Speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (by land	use)				
Regnl shop. center				2.0	1.0	97.0

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Inputs Selected:

The Free Transit Passes checkbox was selected.

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures ______ Residential Local-Serving Retail Mitigation Percent Reduction in Trips is 0% (calculated as a % of 9.57 trips/day) Note that the above percent is applied to the 'double counting adjusted' trip rate to get Mitigated Trips Inputs Selected: The Presence of Local-Serving Retail checkbox was NOT selected. Residential Transit Service Mitigation Percent Reduction in Trips is 0.25% (calculated as a % of 9.57 trips/day) Note that the above percent is applied to the 'double counting adjusted' trip rate to get Mitigated Trips Inputs Selected: The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24 The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0 The Number of Dedicated Daily Shuttle Trips is 0 Residential Pedestrian/Bicycle Friendliness Mitigation Percent Reduction in Trips is 2.18% (calculated as a % of 9.57 trips/day) Note that the above percent is applied to the 'double counting adjusted' trip rate to get Mitigated Trips Inputs Selected: The Number of Intersections per Square Mile is 100 The Percent of Streets with Sidewalks on One Side is 50% The Percent of Streets with Sidewalks on Both Sides is 10% The Percent of Arterials/Collectors with Bike Lanes or where Suitable, Direct Parallel Routes Exist is 30% Residential Free Transit Passes Mitigation Percent Reduction in Trips is 0.06% (calculated as a % of 9.57 trips/day) Note that the above percent is applied ONLY to worker trips. And the 'double counting adjusted' trip rate is used to get the number of Mitigated Trips Inputs Selected: The Free Transit Passes checkbox was selected. Non-Residential Mitigation Measures Non-Residential Local-Serving Retail Mitigation Percent Reduction in Trips is 0% Inputs Selected: The Presence of Local-Serving Retail checkbox was NOT selected. Non-Residential Transit Service Mitigation Percent Reduction in Trips is 0.25% Inputs Selected: The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 24 The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0 The Number of Dedicated Daily Shuttle Trips is 0 Non-Residential Pedestrian/Bicycle Friendliness Mitigation Percent Reduction in Trips is 2.18% Inputs Selected: The Number of Intersections per Square Mile is 100 The Percent of Streets with Sidewalks on One Side is 50% The Percent of Streets with Sidewalks on Both Sides is 10% The Percent of Arterials/Collectors with Bike Lanes or where Suitable, Direct Parallel Routes Exist is 30% Non-Residential Free Transit Passes Mitigation Percent Reduction in Trips is 0.06% Note that the above percent is applied ONLY to worker trips.

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Non-Residential Other Transportation Demand Measures Mitigation

Percent Reduction in Trips is 2.24%

Note that the above percent is applied ONLY to worker trips.

Inputs Selected:

The 'Secure Bike Parking' measure was selected

The 'Showers/Changing Facilities Provided' measure was selected
The 'Guaranteed Ride Home Program Provided' measure was selected
The 'Information provided on Transportation Alternatives' measure was selected
The 'Dedicated Employee Transportation Coordinator' measure was selected

The 'Carpool Matching Programs' measure was selected

The 'Preferential Carpool/Vanpool Parking' measure was selected

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Changes made to the default values for Land Use Trip Percentages The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0 Changes made to the default values for Area The hearth option switch changed from on to off. The area souce mitigation measure option switch changed from off to on. The landscape year changed from 2005 to 2007. The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013. The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013. Mitigation measure Commercial Increase Efficiency Beyond Title 24 has been changed from off to on. Mitigation measure Commercial/Industrial Electric Landscape Maintenance Equipment has been changed from off to on. Changes made to the default values for Operations The double counting option switch changed from off to on. The mitigation option switch changed from off to on. The operational emission year changed from 2005 to 2008. The home based work selection item changed from 7 to 6. The home based shopping selection item changed from 7 to 6. The home based other selection item changed from 7 to 6. The commercial based commute selection item changed from 7 to 6. The commercial based non-work selection item changed from $\,$ 7 to 6. The commercial based customer selection item changed from $\,$ 7 to 6.

The Res and Non-Res Local-Serving Retail Mitigation changed from off to on. The Res and Non-Res Transit Service Mitigation changed from off to on. The Res and Non-Res Ped/Bike Mitigation changed from off to on.

The Res and Non-Res Trans Demand Mgmt Measures Mitigation changed from off to on.

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-long term.urb

Graton Alt G - NWSP Long Term Project Name:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT

(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day,unmitigated)	8.66	5.94	5.77	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION H	ESTIMATES ROG	NO×	CO	SO2	PM10
	1100	non.		501	11110
TOTALS (lbs/day,unmit1gated)	53.55	45.55	510.21	0.84	117.56
SUM OF AREA AND OPERATIONAL EMIS	SSION ESTIM	ATES			
	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day,unmitigated)	62.22	51.50	515.98	0.84	117.57

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-long term.urb

Project Name: Graton Alt G - NWSP Long Term
Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

AREA SOURCE EMISSION ESTIMATES	DOG	NOve	GO.	SO2	PM10
TOTALS (tpy, unmitigated)	ROG 1.53	NOx 1.08	CO 0.94	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIMA	ATES			
orbital (valideal) Elizabeta	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	10.21	9.66	98.60	0.14	21.45
SUM OF AREA AND OPERATIONAL EM	ISSION	ESTIMATES			
	ROG	NOx	CO	S02	PM10
TOTALS (tpy, unmitigated)	11.74	10.74	99.53	0.14	21.46

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-long term.urb

Graton Alt G - NWSP Long Term San Francisco Bay Area Project Name:

Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATE	S (Summer	Pounds per	Day, Unmit	igated)	
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.44	5.92	4.50	0	0.01
Hearth - No summer emissions	;				
Landscaping	0.18	0.02	1.26	0.00	0.00
Consumer Prdcts	7.39	-	-	-	_
Architectural Coatings	0.66	-	-	-	_
TOTALS(lbs/dav,unmitigated)	8.66	5.94	5.77	0.00	0.01

UNMITIGATED OPERATIONAL EMISSIONS

Apartments low rise Commercial	ROG 4.72 48.84	NOx 3.93 41.62	CO 46.96 463.25	SO2 0.08 0.76	PM10 11.33 106.23
TOTAL EMISSIONS (lbs/day)	53.55	45.55	510.21	0.84	117.56

Includes correction for passby trips.

Includes the following double counting adjustment for internal trips:

Residential trips: 0.00 % reduction. Nonresidential trips: 0.00 % reduction.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Apartments low rise Commercial	15.30	7.67 trips/dwelling unit 42.94 trips/1000 sq. ft.	151.00 1 495.0021	
		Sum of Total	Trips 22	,413.47

Total Vehicle Miles Traveled 77,143.94

2.0 1.0 97.0

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lb	s 15.30	0.70	98.00	1.30
Light Truck 3,751- 5,75	0 16.40	0.60	98.80	0.60
Med Truck 5,751-8,50	0 7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,00	0 1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,00	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,00	0 1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,00	0.80	0.00	0.00	100.00
Line Haul > 60,000 1b	s 0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

Commercial

Travel Conditions		Residentia)	-		Commercia	1
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.8	4.6	6.1	11.8	5.0	5.0
Rural Trip Length (miles)	15.0	10.0	10.0	15.0	10.0	10.0
Trip Speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (by land	use)				

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Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Apartments low rise have changed from the defaults 6.9/9.44 to 7.67/15.3 The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0

Changes made to the default values for Area

The hearth option switch changed from on to off.

The landscape year changed from 2005 to 2020.

The residential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.

The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0013.

Changes made to the default values for Operations

The double counting option switch changed from off to on. The operational emission year changed from 2005 to 2020. The home based work selection item changed from 7 to 6. The home based shopping selection item changed from 7 to 6. The commercial based commute selection item changed from 7 to 6. The commercial based non-work selection item changed from 7 to 6. The commercial based customer selection item changed from 7 to 6. The commercial based customer selection item changed from 7 to 6.

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URBEMIS 2002 For Windows 8.7.0

C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-near term con: File Name:

Graton Alt G - NWSP Near Term Const

Project Name: Project Location:

Project Location: San Francisco Bay Area
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (lbs/day,unmitigated)	ROG 12.59	NOx 79.87	CO 106.82	SO2 0.00	PM10 TOTAL 98.17	PM10 EXHAUST 3.16	PM10 DUST 95.01
*** 2008 *** TOTALS (lbs/day,unmitigated)	ROG 83.68	NOx 58.49	CO 86.43	SO2 0.02	PM10 TOTAL 2.67	PM10 EXHAUST 2.20	PM10 DUST 0.47

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URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-near term con:

Graton Alt G - NWSP Near Term Const San Francisco Bay Area

Project Name: Project Location:

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT (Tons/Year)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 *** TOTALS (tpy, unmitigated)	ROG 0.59	NOx 3.68	CO 4.90	SO2 0.00	PM10 TOTAL 1.53	PM10 EXHAUST 0.16	PM10 DUST 1.37
*** 2008 *** TOTALS (tpy, unmitigated)	ROG 1.25	NOx 2.25	CO 3.26	SO2 0.00	PM10 TOTAL 0.10	PM10 EXHAUST 0.09	PM10 DUST 0.01

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Graton V2\Graton-Alt G-near term con:

Project Name: Graton Alt G - NWSP Near Term Const

Project Location: San Francisco Bay Area

On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT (Pounds/Day - Summer)

Construction Start Month and Year: June, 2007

Construction Duration: 12

Total Land Use Area to be Developed: 38 acres Maximum Acreage Disturbed Per Day: 9.5 acres Single Family Units: 0 Multi-Family Units: 151

Retail/Office/Institutional/Industrial Square Footage: 495000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

CONSTRUCTION EMISSION ESTIMA	TES UNMITI	GATED (lbs	(day)				
Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007***							
Phase 1 - Demolition Emissic	ns						
Fugitive Dust		-	_	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00		0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maxımum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	ions						
Fugitive Dust	-	-	-	-	95.00	_	95.00
	12.45	79.69	103.54	_	3.15	3.15	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.14	0.18	3.28	0.00	0.02	0.01	0.01
Maxımum lbs/day	12.59	79.87	106.82	0.00	98.17	3.16	95.01
Phase 3 - Building Construct							
Bldg Const Off-Road Diesel	5.23	39.92	38.72		1.78	1.78	0.00
Bldg Const Worker Trips	1.29	0.79	16.63	0.00	0.24	0.01	0.23
Arch Coatings Off-Gas	0.00	-			-		
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-			~~	_
Asphalt Off-Road Diesel	0.00	0.00	0.00	***	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	6.53	40.71	55.35	0.00	2.02	1.79	0.23
Max lbs/day all phases	12.59	79.87	106.82	0.00	98.17	3.16	95.01
*** 2008***							
Phase 1 - Demolition Emissio	ns						
Fugitive Dust	_	-	_	_	0.00	→	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emiss	10ns						
Fugitive Dust	_	_	_	-	0.00	_	0.00
Off-Road Diesel	0.00	0.00	0.00		0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maxımum 1bs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 3 - Building Construct	ıon						
Bldg Const Off-Road Diesel	5.23	37.98	40.13	_	1.62	1.62	0.00
Bldg Const Worker Trips	1.19	0.73	15.50	0.00	0.24	0.01	0.23
Arch Coatings Off-Gas	71.80	_	_	_	_	_	-
Arch Coatings Worker Trips	1.07	0.50	12.73	0.00	0.24	0.01	0.23
Asphalt Off-Gas	1.81	_	_	_	· -	-	_
Asphalt Off-Road Diesel	2.24	12.97	19.01	-	0.36	0.36	0.00
Asphalt On-Road Diesel	0.46	6.52	1.71	0.02	0.20	0.19	0.01
Asphalt Worker Trips	0.01	0.00	0.12	0.00	0.00	0.00	0.00
Maximum lbs/day	83.68	58.49	86.43	0.02	2.67	2.20	0.47
Max lbs/day all phases	83.68	58.49	86.43	0.02	2.67	2.20	0.47

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions Start Month/Year for Phase 2: Jun '07 Phase 2 Duration: 1.3 months

On-Road Truck Travel (VMT): 0

Off-Road Equipment

Jo.	Type	Horsepower	Load Factor	Hours/Day
1	Crawler Tractors	143	0.575	8.0
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Rubber Tired Loaders	165	0.465	8.0
1	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions Start Month/Year for Phase 3: Jul '07 Phase 3 Duration: 10.7 months

Start Month/Year for SubPhase Building: Jul '07 SubPhase Building Duration: 10.7 months

Off-Road Equipment

OTT-KC	ad Equipment			
No.	Туре	Horsepower	Load Factor	Hours/Day
1	Concrete/Industrial saws	84	0.730	8.0
2	Other Equipment	190	0.620	8.0

Start Month/Year for SubPhase Architectural Coatings: Apr '08

SubPhase Architectural Coatings Duration: 1.1 months

Start Month/Year for SubPhase Asphalt: May '08 SubPhase Asphalt Duration: 0.5 months Acres to be Paved: 7.6

Off-Road Equipment

No.	Туре	Horsepower	Load Factor	Hours/Day
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

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Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Apartments low rise have changed from the defaults 6.9/9.44 to 7.67/15.3 The Primary Trip % for Blank changed from 90 to 100 The Diverted Trip % for Blank changed from 10 to 0 The Primary Trip % for Hotel changed from 60 to 100 The Diverted Trip % for Hotel changed from 35 to 0 The Pass-By Trip % for Hotel changed from 5 to 0 The Primary Trip % for Office park changed from 80 to 100 The Diverted Trip % for Office park changed from 15 to 0 The Pass-By Trip % for Office park changed from 5 to 0

Changes made to the default values for Construction

Architectural Coatings: # ROG/ft2 (residential) changed from 0.0185 to 0.0013 Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0013

DRAFT GENERAL CONFORMITY DETERMINATION FOR THE GRATON CASINO/HOTEL PROJECT

1

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GRATON HOTEL AND CASINO DRAFT GENERAL CONFORMITY DETERMINATION

1.0	INTRODUCTION
2.0	GENERAL CONFORMITY - REGULATORY BACKGROUND
3.0	ASSESSMENT OF THE PROJECT EMISSIONS
4.0	GENERAL CONFORMITY DETERMINATION
5.0	CONCLUSION
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Tab	ole 2 Mitigated Operational Emissions of Significant Criteria Pollutants

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Introduction

1.0 Introduction

An Environmental Impact Statement (EIS) is being prepared to assess the environmental consequences of the National Indian Gaming Commission's (NIGC) approval of a management contract between the Federated Indians of Graton Rancheria (Tribe) and SC Sonoma Management, LLC. The foreseeable consequence of this federal action will be the development of a casino/hotel resort either on the Wilfred site, the Stony Point site, or the Lakeville site in Sonoma County, California. The effects of seven alternatives, including an alternative use and a No Action alternative, are analyzed within the EIS.

The Bureau of Indian Affairs (BIA) will take the Wilfred site into trust for the Tribe (see EIS for site maps) if the proposed project is identified as the NIGC's preferred alternative. The Proposed Project (Alternative A) is planned for the northeast corner of the Wilfred site. The development consists of a casino/hotel resort, which would total approximately 762,300 square feet in area. The casino-hotel resort would include restaurants, a 300-room hotel, an entertainment venue, banquet/meeting space, and a pool and spa. The remainder of the Wilfred site would remain undeveloped and be used for open space, pasture, biological habitat, and recycled water sprayfields.

The Proposed Project is located adjacent to the City of Rohnert Park approximately 50 miles north of San Francisco and is located approximately 1 mile from Highway 101, which is the main north south artery in the region. The Bay Area Air Quality Management District (BAAQMD) has local jurisdiction over the region including, the Wilfred, Stony Point, and Lakeville sites, which are located within the San Francisco Bay Area Air Basin (SFAAB).

Alternative A was determined to have the highest potential to emit. Alternative A emissions are mainly due to mobile sources. Therefore, Alternative A will be the alternative analyzed for project level conformity.

2.0 GENERAL CONFORMITY – REGULATORY BACKGROUND

The United States Environmental Protection Agency (USEPA) promulgated the General Conformity Rule on November 30, 1993 to implement the conformity provision of Title I. Section 176 (c)(1) of the Federal Clean Air Act (CAA), which requires that the Federal government not engage, support or provide financial assistance for licensing or permitting, or approving any activity not conforming to an approved CAA implementation plan. CAA conformity is an issue that may be addressed during the NEPA process. The USEPA recommends that the conformity process be coupled with NEPA analysis.

GENERAL CONFORMITY PROCESS

The conformity process should be addressed in two phases. The first phase is the conformity applicability process, which evaluates whether the conformity regulations would apply to the Federal action (i.e. whether a determination is warranted). The second phase is the conformity determination process, which demonstrates how a Federal action conforms to the applicable State Implementation Plan (SIP).

Phase One

The purpose of a conformity review is to evaluate whether the conformity determination requirements would apply to a Federal action under 40 CFR 93.153. There are four steps in the review process. The first three steps can be preformed in any order; the four steps are shown below:

- Determine whether the proposed action causes emissions of criteria pollutants;
- Determine whether the emissions of a criteria pollutant or its precursor (i.e. NOx and VOCs for ozone) would occur in a non-attainment or maintenance area for that pollutant;
- Determine whether the Federal action is exempt from the conformity requirement as per 40 CFR 93.153 (c)(2)-(e).
- Estimate the total emissions of the pollutants of concern from the proposed action and compare the estimates to the de minimis threshold of 40 CFR 93.153 (b)(1) and (2) and to the non-attainment or maintenance area's emissions inventory for each criteria pollutant of concern.

Phase Two

The purpose of the conformity determination, if needed, is to show if the Proposed Project conforms to the SIP.

Conformity can be shown for NOx and ROGs (Ozone precursors) by one of following four options:

- The applicable SIP specifically includes an allowance for emissions of the Proposed Project, 40 CFR 93.158 (a)(1);
- Offset emission credits are purchased for the total direct and indirect emissions, which fully offsets within the same non-attainment or maintenance area so that there is no net increase in emissions, 40 CFR 93.158 (a)(2).

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- Emission from the Proposed Project coupled with the current emissions in the non-attainment area would not exceed the emissions budget in the SIP, 40 CFR 93.158

 (a)(5)(i)(A).
- The Proposed Project can request that the SIP be changed by the State Governor or the State Governor's designee to include the emissions budget of the Federal action 40 CFR 93.158 (a)(5)(i)(B).

Conformity can be shown for CO by one of following two options:

- The applicable SIP specifically includes an allowance for emissions of the Proposed Project, 40 CFR 93.158 (a)(1);
- Modeling of CO shows that the action does not: cause or contribute to any new violation of any standard in any area or increase the frequency or severity of any existing violation of any standard in any area, 40 CFR 93.159 (a)(4)(i) and (b).

Even if a project is shown to conform to the SIP by one of the above methods, the project may not be determined to conform to the applicable SIP unless the total of the direct and indirect emissions for the action is in compliance or consistent with all relevant requirements and milestones contained in the applicable SIP, including but not limited to the use of baseline emissions that reflect the historical activity levels that occurred in the geographic area, reasonable further progress schedules, assumptions specified in the attainment or maintenance demonstration, prohibitions, numerical emission limits, and work practice requirements, 40 CFR 93.158 (c).

3.0 APPLICABILITY OF PROPOSED PROJECT

EMISSIONS

The Proposed Project's emissions are evaluated in two phases, construction and operation. The two phases would not overlap. Criteria pollutants will be produced during both phases. The pollutants of concern during construction are particulate matter (PM₁₀, PM_{2.5}), reactive organic gas (ROG), carbon monoxide (CO), and nitrogen oxides (NOx), which are generally a product of combustion, in this case from heavy equipment. PM₁₀ and PM_{2.5} are generated during site grading and though diesel exhaust. Operational emissions are mainly emitted from vehicles visiting the casino/hotel, while area emissions from stationary source are negligible. Pollutants of concern during operation of the casino/hotel are ROG, NOx (ozone precursors), and CO. The EIS gives a detailed account of both operation and construction emissions.

ATTAINMENT/NON-ATTAINMENT AREA

The Proposed Project would be constructed within the boundaries of the SFAAB. The SFAAB is currently designated marginal non-attainment for 8-hour ozone and is a maintenance area for CO.

EXEMPTION

The Federal action that is described in Section 1.0 does not result in emissions less than de minimus thresholds, does not have emissions that are associated with a conforming program, cannot be analyzed under certain other environmental regulation, and/or are not in response to an emergency or natural disaster. Thus, the Proposed Project is not exempt from a conformity determination under 40 CFR 93.153 (c)(2)-(e).

DE MINIMUS THRESHOLDS

Emissions were estimated for both construction and operation. The construction equipment emissions were estimated by using the USEPA and California Air Resource Board approved land use based Urban Emissions (URBEMIS) air model. Operational emissions were also estimated using URBEMIS. Because operation and construction would not overlap they were evaluated separately. Construction emissions were below the 100 tons per year (tpy) de minimis thresholds for all criteria pollutants. Operational emissions for NOx and CO exceeded the 100 tpy threshold establish under 40 CFR 93.153 (b)(1). **Table 1** shows the estimated emissions for pollutants of concern during operation. **Section 3.4, 4.4, and 5.2.3** of the EIS gives a more in-depth analysis.

Table 1
Unmitigated Operational Emissions of Significant Criteria Pollutants

SOURCES	NOx	ROG	СО
	tons per year		
MOBILE	155.05	77.19	1,176.36
AREA	0.70	0.09	0.72
Total	155.75	77.29	1,177.08
Applicable Conformity Threshold	100	100	100
Exceedance of Threshold	Yes	No	Yes

Note: NOx and ROG emissions values were estimated using URBEMIS air modeling program approved by the USEPA and CARB (see **Appendix W** of the DEIS)

Source: AES, 2006

A conformity determination is required for NOx and CO. This is due to the Proposed Project being located in a non-attainment area for NOx and a maintenance area for CO, and the total NOx and CO emissions are greater then the de minimis level shown in **Table 1**.

4.0 GENERAL CONFORMITY DETERMINATION

CARBON MONOXIDE DETERMINATION

Analysis

Air modeling analysis was preformed for the EIS and the general conformity determination concurrently. The results of this analysis can be found in this EIS in Sections 3.4, 4.4, 5.2.3, and Appendices Volume III, Appendix W.

Modeling

Conformity can be shown by complying with the criteria detailed in Section 2.0, under phase two. According to the *Transportation Project-Level Carbon Monoxide Protocol* (CO-protocol), Institute of Transportation Studies, University of California at Davis, 1996, which is the recognized industry standard for modeling CO, if an intersection has a level of service (LOS) A, B, C, or D then the CO emissions will not cause a violation of any standard in any area. All intersections (measuring total intersections, not worst approach) within the project region operate at LOS A, B, C, or D, after the implementation of traffic mitigation measures detailed in the EIS. Thus, CO emissions would not cause a violation of the NAAQS.

On November 8, 2004, CARB submitted to the USEPA a second revision to the 1998, San Francisco CO Attainment Plan (SIP). When the USEPA upgraded the SFBAABs NAAQS status from moderate non-attainment to maintenance a revision to the SIP was needed. This revision to the SIP included a maintenance plan: Revision to the California State Implementation Plan for Carbon Monoxide, Updated Maintenance Plan for Ten Federal Planning Areas (Maintenance Plan). The Maintenance Plan is an amendment or update to the SIP and covers the SFBAAB. The Maintenance Plan outlines how the SFBAAB will continue to comply with the NAAQS for the next 10 years. The Proposed Project will not violate the NAAQS according to the COprotocol discussed above; therefore, the Proposed Project supports the Maintenance Plan and conforms to the SIP, and is consistent with conformity determination criteria. 40 CFR 93.153 (b)(1) and (2)(i and ii).

NOX DETERMINATION

Analysis

Air modeling analysis was preformed for the EIS and the general conformity determination concurrently. The results of this analysis can be found in this EIS in **Sections 3.4, 4.4, 5.2.3, and Appendices Volume III, Appendix W**.

As shown above a general conformity determination is required for NOx. Conformity can be shown by complying with the criteria detailed in Section 2.0, under phase two.

Specific SIP Allowance

The SFAAB was designated as an 8- hour ozone marginal non-attainment area in June 2004. The applicable State Implementation Plan (SIP) for ozone in the SFBAAB, is the 2001, *Revised San Francisco Bay Area Ozone Attainment Plan for 1-hour National Ozone Standard*. Although the 1-hour National Ambient Air Quality Standard (NAAQS) was revoked on June 15, 2004, this plan is considered the latest air quality management plan for 8-hour ozone, per the BAAQMD. Therefore, the 2001 plan will be used to determine conformity for the Proposed Project. The following is a summary of how the 2001 plan became effective;

The California Air Resource Board (CARB) submitted to the USEPA a Bay Area Attainment Plan in August 1999 titled San Francisco Bay Area Ozone Attainment Plan for 1-hour National Ozone Standard. On November 1, 2001 a revised plan responding to the USEPA's disapproval of the Bay Area's 1999 Ozone Attainment Plan was adopted by the BAAQMD's Governing Board. The 2001 revised ozone attainment plan titled Revised San Francisco Bay Area Ozone Attainment Plan for 1-hour National Ozone Standard was submitted to the USEPA for their approval on November 30, 2001. The USEPA approved the ozone attainment plan in April 2004.

It should be noted that in April 2007 the SFBAAB is expected to archive attainment for 8-hour ozone. At that time the BAAQMD will petition the USEPA for upgrade ozone status. The SFBAAB is expected to be classified as an ozone maintenance area.

Emission control measures and regulations that have been included in the 2001 SIP do not include the estimated emissions of the Proposed Project. Therefore compliance cannot be determined though conformity to the most recent applicable SIP.

Offsets

Conformity can be determined by fully offsetting the Proposed Project's mitigated operational emissions through the acquisition of emission credits or an equally enforceable measure. The Proposed Project does not include the purchase of offset credits in the project description.

Emission Budget

The Proposed Project coupled with the most recent SFBAAB emissions inventory (2005) exceeds the applicable ozone SIPs emission budget.

Addendum to SIP

The Proposed Project does not anticipate that the Governor or State Governor designee will approve an addendum to the present applicable SIP, which would include the Proposed Project's estimated emissions. Therefore conformity will not be determined using this option.

Mitigation

Mitigation measures for the Proposed Project are outlined in **Section 5.2.3** of the EIS. Mitigation measures were also used to reduce project emissions estimated by URBEMIS air model. These mitigation measures can be found in EIS **Appendices Volume III**, **Appendix W**. The estimated mitigated emissions are shown in **Table 2**.

Table 2
Mitigated Operational Emissions of Significant Criteria Pollutants

SOURCES	NOx tons per year 148.12	
SOURCES		
MOBILE		
AREA	0.56	
Total	148.69	
Applicable Conformity Threshold Exceedance of	100	
Threshold	Yes	
Note NOx emissions values were estimated using URB approved by the USEPA and CARB (see Appendix W Source AES 2006	e . e	

The Tribe chooses to demonstrate conformity through the purchase of emissions credits to fully offset NOx emissions. The recommendation to purchase these credits has been included in the EIS. The Tribe would provide the USEPA and other agencies with documentation necessary to support the emissions reductions through offset purchase, such as certification of credit purchase. This information would be included in the final General Conformity Determination.

5.0 CONCLUSION

As of yet documentation supporting conformity has not been filed with the appropriate agencies and the NIGC has not selected a preferred alternative. Until the Tribe provides this information, the Proposed Project is deemed to not conform to the applicable SIP. This Draft Conformity Determination will serve as a submittal to the USEPA, CARB, BAAQMD, and BIA per 40 CFR 93.155 (a). After the comment period for the EIS and this Draft Conformity Determination, the NIGC will make a final conformity determination, which will include detailed information on the purchase of emission offset credits for NOx. At the time these credits are purchased the Proposed Project will have met the requirements of conformity and conformed to the applicable SIP.

The NIGC expects to receive documentation supporting conformity after selecting a preferred alternative and before issuing a Record of Decision approving the preferred alternative per 40 CFR 93.150. Upon receipt of documentation supporting conformity, the NIGC will issue a final Conformity Determination as part of the Record of Decision.