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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\mlisenbee\Application Data\Urbemis\Version9a\Projects\Los Altos Community Center.urb924

Project Name: Los Altos Community Center

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	СО	SO2	PM10	PM25	CO2
Library	1.37	1.90	17.53	0.01	2.58	0.49	1,367.29
Swim Center	1.76	2.42	22.32	0.02	3.29	0.63	1,740.60
Theater	0.21	0.11	1.04	0.00	0.15	0.03	80.96
TOTALS (tons/year, unmitigated)	3.34	4.43	40.89	0.03	6.02	1.15	3,188.85

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Season: Annual

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Summary of	Land	<u>Uses</u>
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	Summ	ary of Land Us	<u>es</u>			
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Library		56.24	1000 sq ft	19.82	1,114.68	8,240.81
Swim Center		35.60	1000 sq ft	39.86	1,419.02	10,490.78
Theater		0.66	1000 sq ft	100.00	66.00	487.94
					2,599.70	19,219.53
	7	/ehicle Fleet M	<u>lix</u>			
Vehicle Type	Percent 7	Гуре	Non-Cataly	/st	Catalyst	Die
Light Auto		55.2	1	.1	98.5	(

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.2	1.1	98.5	0.4
Light Truck < 3750 lbs	11.8	2.5	95.0	2.5
Light Truck 3751-5750 lbs	20.5	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.2	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.7	0.0	71.4	28.6
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	66.7	33.3
Med-Heavy Truck 14,001-33,000 lbs	0.8	0.0	25.0	75.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.4	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	2.9	69.0	31.0	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.7	0.0	85.7	14.3

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		Residential		Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Library				2.0	1.0	97.0
Swim Center				2.0	1.0	97.0
Theater				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\mlisenbee\Application Data\Urbemis\Version9a\Projects\Los Altos Community Center (Pre-school).urb924

Project Name: Los Altos Community Center

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	ROG	NOX	СО	SO2	PM10	PM25	CO2
Elementary school	0.69	0.79	7.35	0.01	1.07	0.20	568.81
TOTALS (tons/year, unmitigated)	0.69	0.79	7.35	0.01	1.07	0.20	568.81

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Season: Annual

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Urban Trip Length (miles)

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	<u>Su</u>	mmary of Land Us	ses_			
Land Use Type	Acreage	e Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Elementary school		4.48	students	98.00	439.04	3,415.73
					439.04	3,415.73
		Vehicle Fleet N	<u>⁄lix</u>			
Vehicle Type	Perce	ent Type	Non-Cataly	rst	Catalyst	Diesel
Light Auto		55.2	1	.1	98.5	0.4
Light Truck < 3750 lbs		11.8	2	5	95.0	2.5
Light Truck 3751-5750 lbs		20.5	0	.5	99.5	0.0
Med Truck 5751-8500 lbs		6.2	0	.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs		0.7	0	.0	71.4	28.6
Lite-Heavy Truck 10,001-14,000 lbs		0.6	0	.0	66.7	33.3
Med-Heavy Truck 14,001-33,000 lbs		0.8	0	.0	25.0	75.0
Heavy-Heavy Truck 33,001-60,000 lbs		0.4	0	.0	0.0	100.0
Other Bus		0.1	0	.0	0.0	100.0
Urban Bus		0.0	0	.0	0.0	0.0
Motorcycle		2.9	69	.0	31.0	0.0
School Bus		0.1	0	.0	0.0	100.0
Motor Home		0.7	0	.0	85.7	14.3
		Travel Condition	<u>ons</u>			
	Res	sidential			Commercial	
	Home-Work	Home-Shop	Home-Other	Commu	ute Non-Work	Customer

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		Residential		(Commercial	
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\mlisenbee\Application Data\Urbemis\Version9a\Projects\Los Altos Community Center.urb924

Project Name: Los Altos Community Center

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
Library	8.63	13.43	101.65	0.07	14.16	2.70	6,776.98
Swim Center	10.98	17.09	129.40	0.09	18.02	3.43	8,627.30
Theater	0.51	0.79	6.02	0.00	0.84	0.16	401.27
TOTALS (lbs/day, unmitigated)	20.12	31.31	237.07	0.16	33.02	6.29	15,805.55

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 40 Season: Winter

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Summary	of	Land	<u>Uses</u>

	<u></u>	•				
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Library		56.24	1000 sq ft	19.82	1,114.68	8,240.81
Swim Center		35.60	1000 sq ft	39.86	1,419.02	10,490.78
Theater		0.66	1000 sq ft	100.00	66.00	487.94
					2,599.70	19,219.53
	<u>Ve</u>	ehicle Fleet M	<u>ix</u>			
Vehicle Type	Percent Ty	/pe	Non-Cataly	rst .	Catalyst	Die

	<u></u>	- 1.00t 11111/1		
Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.2	1.1	98.5	0.4
Light Truck < 3750 lbs	11.8	2.5	95.0	2.5
Light Truck 3751-5750 lbs	20.5	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.2	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.7	0.0	71.4	28.6
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	66.7	33.3
Med-Heavy Truck 14,001-33,000 lbs	0.8	0.0	25.0	75.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.4	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	2.9	69.0	31.0	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.7	0.0	85.7	14.3

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		Residential		Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Library				2.0	1.0	97.0
Swim Center				2.0	1.0	97.0
Theater				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\mlisenbee\Application Data\Urbemis\Version9a\Projects\Los Altos Community Center (Pre-school).urb924

Project Name: Los Altos Community Center

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
Elementary school	3.55	5.56	42.20	0.03	5.87	1.12	2,820.42
TOTALS (lbs/day, unmitigated)	3.55	5.56	42.20	0.03	5.87	1.12	2,820.42

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 40 Season: Winter

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Urban Trip Length (miles)

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Summary of Land Uses										
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT				
Elementary school		4.48	students	98.00	439.04	3,415.73				
					439.04	3,415.73				
		Vehicle Fleet N	<u>⁄lix</u>							
Vehicle Type	Percen	t Type	Non-Cataly	rst	Catalyst	Diesel				
Light Auto		55.2	1	.1	98.5	0.4				
Light Truck < 3750 lbs		11.8	2	.5	95.0	2.5				
Light Truck 3751-5750 lbs		20.5		.5	99.5	0.0				
Med Truck 5751-8500 lbs		6.2	0.0		100.0	0.0				
Lite-Heavy Truck 8501-10,000 lbs		0.7	0.0		71.4	28.6				
Lite-Heavy Truck 10,001-14,000 lbs		0.6	0.0		66.7	33.3				
Med-Heavy Truck 14,001-33,000 lbs		0.8	0.0		25.0	75.0				
Heavy-Heavy Truck 33,001-60,000 lbs		0.4	0.0		0.0	100.0				
Other Bus		0.1	0.0		0.0	100.0				
Urban Bus		0.0	0	.0	0.0	0.0				
Motorcycle		2.9	69	.0	31.0	0.0				
School Bus		0.1	0	.0	0.0	100.0				
Motor Home		0.7	0	.0	85.7	14.3				
		Travel Condition	<u>ons</u>							
	Resid	ential			Commercial					
	Home-Work Ho	me-Shop	Home-Other	Commut	te Non-Work	Customer				

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		Residential		Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\mlisenbee\Application Data\Urbemis\Version9a\Projects\Los Altos Community Center.urb924

Project Name: Los Altos Community Center

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>	
TOTALS (lbs/day, unmitigated)	17.44	20.74	217.53	0.18	33.02	6.29	18,307.00	
SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES								
	ROG	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	PM2.5	<u>CO2</u>	
TOTALS (lbs/day, unmitigated)	17.44	20.74	217.53	0.18	33.02	6.29	18,307.00	

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
Library	6.94	8.89	93.27	0.08	14.16	2.70	7,849.54
Swim Center	8.99	11.32	118.74	0.10	18.02	3.43	9,992.69
Theater	1.51	0.53	5.52	0.00	0.84	0.16	464.77
TOTALS (lbs/day, unmitigated)	17.44	20.74	217.53	0.18	33.02	6.29	18,307.00

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 85 Season: Summer

Emfac: Version: Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Library		56.24	1000 sq ft	19.82	1,114.68	8,240.81
Swim Center		35.60	1000 sq ft	39.86	1,419.02	10,490.78
Theater		0.66	1000 sq ft	100.00	66.00	487.94
					2,599.70	19,219.53

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.2	1.1	98.5	0.4
Light Truck < 3750 lbs	11.8	2.5	95.0	2.5

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Vehicle Fleet Mix											
1	Percent Type	Non-Catalyst	C	Catalyst	Diesel						
	20.5	0.5		99.5	0.0						
	6.2	0.0		100.0	0.0						
	0.7	0.0		71.4	28.6						
	0.6	0.0		66.7	33.3						
	0.8	0.0		25.0	75.0						
	0.4	0.0		0.0	100.0						
	0.1	0.0		0.0	100.0						
	0.0	0.0		0.0	0.0						
	2.9	69.0		31.0	0.0						
	0.1	0.0		0.0	100.0						
	0.7	0.0		85.7	14.3						
	Travel Cond	litions									
	Residential		Commercial								
Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer						
10.8	7.3	7.5	9.5	7.4	7.4						
16.8	7.1	7.9	14.7	6.6	6.6						
35.0	35.0	35.0	35.0	35.0	35.0						
32.9	18.0	49.1									
			2.0	1.0	97.0						
	Home-Work 10.8 16.8 35.0	Percent Type 20.5 6.2 0.7 0.6 0.8 0.4 0.1 0.0 2.9 0.1 0.7 Travel Concernial Home-Work Home-Shop 10.8 7.3 16.8 7.1 35.0 35.0	Percent Type Non-Catalyst 20.5 0.5 6.2 0.0 0.7 0.0 0.6 0.0 0.8 0.0 0.4 0.0 0.1 0.0 0.0 0.0 2.9 69.0 0.1 0.0 2.9 69.0 0.1 0.0 Travel Conditions Residential Home-Work Home-Shop Home-Other 10.8 7.3 7.5 16.8 7.1 7.9 35.0 35.0 35.0	Percent Type Non-Catalyst 20.5 0.5 6.2 0.0 0.7 0.0 0.6 0.0 0.8 0.0 0.4 0.0 0.0 0.0 0.0 0.0 2.9 69.0 0.1 0.0 0.7 0.0 Travel Conditions Residential Home-Work Home-Shop Home-Other Commute 10.8 7.3 7.5 9.5 16.8 7.1 7.9 14.7 35.0 35.0 35.0 35.0 35.0	Percent Type						

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		Residential			Commercial	
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Swim Center				2.0	1.0	97.0
Theater				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\mlisenbee\Application Data\Urbemis\Version9a\Projects\Los Altos Community Center (Pre-school).urb924

Project Name: Los Altos Community Center

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
Elementary school	3.89	3.68	39.27	0.03	5.87	1.12	3,264.98
TOTALS (lbs/day, unmitigated)	3.89	3.68	39.27	0.03	5.87	1.12	3,264.98

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 85 Season: Summer

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Urban Trip Length (miles)

10/6/2009 9:58:58 AM										
Summary of Land Uses										
Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT				
Elementary school		4.48	students	98.00	439.04	3,415.73				
					439.04	3,415.73				
		Vehicle Fleet N	<u>⁄lix</u>							
Vehicle Type	Percen	t Type	Non-Cataly	rst	Catalyst	Diesel				
Light Auto		55.2	1	.1	98.5	0.4				
Light Truck < 3750 lbs		11.8	2	.5	95.0	2.5				
Light Truck 3751-5750 lbs		20.5		.5	99.5	0.0				
Med Truck 5751-8500 lbs		6.2	0.0		100.0	0.0				
Lite-Heavy Truck 8501-10,000 lbs		0.7	0.0		71.4	28.6				
Lite-Heavy Truck 10,001-14,000 lbs		0.6	0.0		66.7	33.3				
Med-Heavy Truck 14,001-33,000 lbs		0.8	0.0		25.0	75.0				
Heavy-Heavy Truck 33,001-60,000 lbs		0.4	0.0		0.0	100.0				
Other Bus		0.1	0	.0	0.0	100.0				
Urban Bus		0.0	0	.0	0.0	0.0				
Motorcycle		2.9	69	.0	31.0	0.0				
School Bus		0.1	0	.0	0.0	100.0				
Motor Home		0.7	0	.0	85.7	14.3				
		Travel Condition	<u>ons</u>							
	Resid	ential			Commercial					
	Home-Work Ho	me-Shop	Home-Other	Commut	te Non-Work	Customer				

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	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0