Summary of Operational Greenhouse Gases

Project:	CMC
Prepared by:	Michael Brandman Associates
Prepared on:	16-Sep-09
Year of analysis:	2013

	Emissions (tons per year)				
Source	**Carbon Dioxide**	**Nitrous Oxide**	**Methane**	**Other**	**Metric Tons CO2e**
Motor vehicles	335	0.05	0.03		319
Natural gas	64	0.00	0.00		58
Indirect electricity	269	0.00	0.00		244
Water transport	15	0.00	0.00		13
Total	683	0.05	0.03	0.00	634
Total	619	0.05	0.03	0.00	metric tons per year
GWP	1	310	21	varies	
Total	619	14	1	0	MTCO2E per year
Total	0.0006	0.0000	0.0000	0.0000	MMTCO2E per year

Total - all gases	634	MTCO2e per year
	0.0006	MMTCO2e per year
California emissions in 2004	500	MMTCO2e per year
Project percent of emissions	0.000127%	
U.S. emissions in 2005	7,260.4	
Project percent of emissions	0.000009%	
Global emissions in 2004	20135	
Project percent of emissions	0.000003%	

Notes:

Emissions converted from tons per year to metric tons of carbon dioxide equivalents (MTCO2e) per year by using the formula: (tons of gas) x (global warming potential) x (0.9072 metric tons)

Emissions converted to million metric tons of carbon dioxide equivalents (MMTCO2E) using the formula: MMTCO2e = (metric tons of gas) / (1,000,000).

Motor vehicle carbon dioxide and natural gas carbon dioxide values are from the URBEMIS2007 output. Waste emissions are from the EPA WARM model output.

Mobile Emissions - Methane Page 1
CMC 16-Sep-09
Prepared by Michael Brandman Associates

Vehicle Miles Traveled	1,663
Vehicle Trips	322

Starting Emissions	0.03	lbs/day	0.0000	tons/day	0.01	tons/year
Running Emissions	0.14	lbs/day	0.0001	tons/day	0.03	tons/year
Total	0.18	lbs/day	0.0001	tons/day	0.03	tons/year

Vehicle Percentages

Vehicle Type	Percent	Non-Catalyst	Catalyst	Diesel
Light Auto	41.6	0.7	99.1	0.2
Light Truck < 3,750 lbs	18.8	1.6	92.0	6.4
Light Truck 3,751- 5,750	19.9	0.5	99.0	0.5
Med Truck 5,751- 8,500	8.0	0.0	100.0	0.0
Lite-Heavy 8,501-10,000	2.1	0.0	71.4	28.6
Lite-Heavy 10,001-14,000	1.2	0.0	50.0	50.0
Med-Heavy 14,001-33,000	1.0	0.0	20.0	80.0
Heavy-Heavy 33,001-60,000	0.3	0.0	0.0	100.0
Line Haul > 60,000 lbs	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	5.2	53.8	46.2	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.7	0.0	88.2	11.8

Running Emission Factors (g/mile)

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.3250	0.0250	0.0080
Light Truck < 3,750 lbs	LDT1	0.3310	0.0330	0.0040
Light Truck 3,751- 5,750	LDT2	0.3300	0.0300	0.0060
Med Truck 5,751- 8,500	MDV	0.3910	0.0370	0.0030
Lite-Heavy 8,501-10,000	LHDT1	0.2500	0.0280	0.0070
Lite-Heavy 10,001-14,000	LHDT2	0.2500	0.0330	0.0100
Med-Heavy 14,001-33,000	MHDT	0.3210	0.0720	0.0100
Heavy-Heavy 33,001-60,000	HHDT	0.7950	0.2250	0.0480
Line Haul > 60,000 lbs	LHV	0.7950	0.2250	0.0480
Urban Bus	UB	0.3680	0.0920	0.0280
Motorcycle	MCY	0.2230	0.1620	0.0000
School Bus	SBUS	0.3210	0.1260	0.0130
Motor Home	MH	0.3210	0.0560	0.0050

Running Emissions (pounds per day)

Vehicle Type	Non-Catalyst	Catalyst	Diesel
Light Auto	0.00	0.04	0.00
Light Truck < 3,750 lbs	0.00	0.02	0.00
Light Truck 3,751- 5,750	0.00	0.02	0.00
Med Truck 5,751- 8,500	0.00	0.01	0.00
Lite-Heavy 8,501-10,000	0.00	0.00	0.00
Lite-Heavy 10,001-14,000	0.00	0.00	0.00
Med-Heavy 14,001-33,000	0.00	0.00	0.00
Heavy-Heavy 33,001-60,000	0.00	0.00	0.00
Line Haul > 60,000 lbs	0.00	0.00	0.00
Urban Bus	0.00	0.00	0.00
Motorcycle	0.02	0.01	0.00
School Bus	0.00	0.00	0.00
Motor Home	0.00	0.00	0.00
Total	0.03	0.11	0.00

Mobile Emissions - Methane

CMC

Prepared by Michael Brandman Associates

0	**Total Trips**		322

Starting Emission Factors (g/start)

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.384	0.032	0
Light Truck < 3,750 lbs	LDT1	0.381	0.038	0.000
Light Truck 3,751- 5,750	LDT2	0.377	0.034	0.000
Med Truck 5,751- 8,500	MDV	0.463	0.044	0.000
Lite-Heavy 8,501-10,000	LHDT1	0.615	0.106	0.000
Lite-Heavy 10,001-14,000	LHDT2	0.615	0.123	0.000
Med-Heavy 14,001-33,000	MHDT	0.923	0.277	0.000
Heavy-Heavy 33,001-60,000	HHDT	1.756	0.829	0.000
Line Haul > 60,000 lbs	LHV	1.756	0.829	0.000
Urban Bus	UB	1.127	0.314	0.000
Motorcycle	MCY	0.183	0.155	0.000
School Bus	SBUS	0.923	0.313	0.000
Motor Home	MH	0.923	0.200	0.000

Trip Distribution

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.9	132.7	0.3
Light Truck < 3,750 lbs	LDT1	1.0	55.7	3.9
Light Truck 3,751- 5,750	LDT2	0.3	63.4	0.3
Med Truck 5,751- 8,500	MDV	0.0	25.8	0.0
Lite-Heavy 8,501-10,000	LHDT1	0.0	4.8	1.9
Lite-Heavy 10,001-14,000	LHDT2	0.0	1.9	1.9
Med-Heavy 14,001-33,000	MHDT	0.0	0.6	2.6
Heavy-Heavy 33,001-60,000	HHDT	0.0	0.0	1.0
Line Haul > 60,000 lbs	LHV	0.0	0.0	0.3
Urban Bus	UB	0.0	0.0	0.0
Motorcycle	MCY	9.0	7.7	0.0
School Bus	SBUS	0.0	0.0	0.3
Motor Home	MH	0.0	4.8	0.6
Total		11.2	297.6	13.2

Starting Emissions (pounds per day)

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.0008	0.0093	0.0000
Light Truck < 3,750 lbs	LDT1	0.0008	0.0047	0.0000
Light Truck 3,751- 5,750	LDT2	0.0003	0.0047	0.0000
Med Truck 5,751- 8,500	MDV	0.0000	0.0025	0.0000
Lite-Heavy 8,501-10,000	LHDT1	0.0000	0.0011	0.0000
Lite-Heavy 10,001-14,000	LHDT2	0.0000	0.0005	0.0000
Med-Heavy 14,001-33,000	MHDT	0.0000	0.0004	0.0000
Heavy-Heavy 33,001-60,000	HHDT	0.0000	0.0000	0.0000
Line Haul > 60,000 lbs	LHV	0.0000	0.0000	0.0000
Urban Bus	UB	0.0000	0.0000	0.0000
Motorcycle	MCY	0.0036	0.0026	0.0000
School Bus	SBUS	0.0000	0.0000	0.0000
Motor Home	MH	0.0000	0.0021	0.0000
Total		0.0055	0.0280	0.0000

- Source of vehicle percentages: URBEMIS.
- Source of emission factors: EMFAC2007, Statewide average, year 2010, temperature 60F, relative humidity 50%

Mobile Emissions - Nitrous Oxide Page 1
CMC 16-Sep-09
Prepared by Michael Brandman Associates

Vehicle Miles Traveled 1,663

Starting Emissions	0.06	lbs/day	0.0000	tons/day	0.01	tons/year
Running Emissions	0.21	lbs/day	0.0001	tons/day	0.04	tons/year
Total	0.27	lbs/day	0.0001	tons/day	0.05	tons/year

Vehicle Percentages

Vehicle Type	Percent	Non-Catalyst	Catalyst	Diesel
Light Auto	41.6	0.7	99.1	0.2
Light Truck < 3,750 lbs	18.8	1.6	92.0	6.4
Light Truck 3,751- 5,750	19.9	0.5	99.0	0.5
Med Truck 5,751- 8,500	8.0	0.0	100.0	0.0
Lite-Heavy 8,501-10,000	2.1	0.0	71.4	28.6
Lite-Heavy 10,001-14,000	1.2	0.0	50.0	50.0
Med-Heavy 14,001-33,000	1.0	0.0	20.0	80.0
Heavy-Heavy 33,001-60,000	0.3	0.0	0.0	100.0
Line Haul > 60,000 lbs	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	5.2	53.8	46.2	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.7	0.0	88.2	11.8

Running Emission Factors (g/mile)

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.0166	0.0518	0.0161
Light Truck < 3,750 lbs	LDT1	0.0208	0.0649	0.0322
Light Truck 3,751- 5,750	LDT2	0.0208	0.0649	0.0322
Med Truck 5,751- 8,500	MDV	0.0208	0.0649	0.0322
Lite-Heavy 8,501-10,000	LHDT1	0.0480	0.1499	0.0483
Lite-Heavy 10,001-14,000	LHDT2	0.0480	0.1499	0.0483
Med-Heavy 14,001-33,000	MHDT	0.0480	0.1499	0.0483
Heavy-Heavy 33,001-60,000	HHDT	0.0480	0.1499	0.0483
Line Haul > 60,000 lbs	LHV	0.0480	0.1499	0.0483
Urban Bus	UB	0.0480	0.1499	0.0483
Motorcycle	MCY	0.0073	0.0073	0.0073
School Bus	SBUS	0.0480	0.1499	0.0483
Motor Home	MH	0.0480	0.1499	0.0483

Running Emissions (pounds per day)

Vehicle Type	Non-Catalyst	Catalyst	Diesel
Light Auto	0.00	0.08	0.00
Light Truck < 3,750 lbs	0.00	0.04	0.00
Light Truck 3,751- 5,750	0.00	0.05	0.00
Med Truck 5,751- 8,500	0.00	0.02	0.00
Lite-Heavy 8,501-10,000	0.00	0.01	0.00
Lite-Heavy 10,001-14,000	0.00	0.00	0.00
Med-Heavy 14,001-33,000	0.00	0.00	0.00
Heavy-Heavy 33,001-60,000	0.00	0.00	0.00
Line Haul > 60,000 lbs	0.00	0.00	0.00
Urban Bus	0.00	0.00	0.00
Motorcycle	0.00	0.00	0.00
School Bus	0.00	0.00	0.00
Motor Home	0.00	0.01	0.00
Total	0.00	0.21	0.01

Mobile Emissions - Nitrous Oxide

CMC

Prepared by Michael Brandman Associates

0	**Total Trips**		322

Starting Emission Factors (g/start)

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.028	0.072	0.000
Light Truck < 3,750 lbs	LDT1	0.032	0.093	-0.001
Light Truck 3,751- 5,750	LDT2	0.032	0.093	-0.001
Med Truck 5,751- 8,500	MDV	0.032	0.093	-0.001
Lite-Heavy 8,501-10,000	LHDT1	0.070	0.194	-0.002
Lite-Heavy 10,001-14,000	LHDT2	0.070	0.194	-0.002
Med-Heavy 14,001-33,000	MHDT	0.070	0.194	-0.002
Heavy-Heavy 33,001-60,000	HHDT	0.070	0.194	-0.002
Line Haul > 60,000 lbs	LHV	0.070	0.194	-0.002
Urban Bus	UB	0.070	0.194	-0.002
Motorcycle	MCY	0.012	0.012	0.012
School Bus	SBUS	0.070	0.194	-0.002
Motor Home	MH	0.070	0.194	-0.002

Trip Distribution

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.9	132.7	0.3
Light Truck < 3,750 lbs	LDT1	1.0	55.7	3.9
Light Truck 3,751- 5,750	LDT2	0.3	63.4	0.3
Med Truck 5,751- 8,500	MDV	0.0	25.8	0.0
Lite-Heavy 8,501-10,000	LHDT1	0.0	4.8	1.9
Lite-Heavy 10,001-14,000	LHDT2	0.0	1.9	1.9
Med-Heavy 14,001-33,000	MHDT	0.0	0.6	2.6
Heavy-Heavy 33,001-60,000	HHDT	0.0	0.0	1.0
Line Haul > 60,000 lbs	LHV	0.0	0.0	0.3
Urban Bus	UB	0.0	0.0	0.0
Motorcycle	MCY	9.0	7.7	0.0
School Bus	SBUS	0.0	0.0	0.3
Motor Home	MH	0.0	4.8	0.6
Total		11.2	297.6	13.2

Starting Emissions (pounds per day)

Vehicle Type	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	0.0001	0.0210	0.0000
Light Truck < 3,750 lbs	LDT1	0.0001	0.0114	0.0000
Light Truck 3,751- 5,750	LDT2	0.0000	0.0130	0.0000
Med Truck 5,751- 8,500	MDV	0.0000	0.0053	0.0000
Lite-Heavy 8,501-10,000	LHDT1	0.0000	0.0021	0.0000
Lite-Heavy 10,001-14,000	LHDT2	0.0000	0.0008	0.0000
Med-Heavy 14,001-33,000	MHDT	0.0000	0.0003	0.0000
Heavy-Heavy 33,001-60,000	HHDT	0.0000	0.0000	0.0000
Line Haul > 60,000 lbs	LHV	0.0000	0.0000	0.0000
Urban Bus	UB	0.0000	0.0000	0.0000
Motorcycle	MCY	0.0002	0.0002	0.0000
School Bus	SBUS	0.0000	0.0000	0.0000
Motor Home	MH	0.0000	0.0021	0.0000
Total		0.0004	0.0561	0.0000

- Source of running emission factors: U.S. Environmental Protection Agency. Climate Leaders Greenhouse Gas Inventory Protocol, Core Module Guidance. Direct Emissions from Mobile Combustion Sources. October 2004.
- Source of vehicle percentages: URBEMIS default values.
- Source of starting emissions: U.S. Environmental Protection Agency. Prepared by ICF Consulting. EPA420-P-04-016. Update of Methane and Nitrous Oxide Emission Factors for On-Highway Vehicles. November 2004.

Electricity - Indirect Emissions

Project: CMC
Prepared by: Michael Brandman Associates
Prepared on: 9/16/2009

Land Use	thousand square feet (ksf)	Electricity Use (kWh/ksf-year)*	Electricity Use (kWh/year)
Institutional Facility	45	13,593.85	611,723.25
Total			611,723.25
			612 MWh/year

Greenhouse Gas	Emission Factor (pounds per MWh/year)	Emissions (pounds/year)	Emissions (tons/year)
Carbon dioxide	878.71	537,527	269
Methane	0.0067	4	0.00
Nitrous oxide	0.0037	2	0.00

Emission factor source: California Climate Action Registry. General Reporting Protocol. Reporting Entity-Wide Greenhouse Gas Emissions. Version 3.1, January 2009. www.climateregistry.org/resources/docs/protocols/grp/GRP_3.1_January2009.pdf, Table E1 and Table E3.

Electricity Use in Typical Urban Water Systems

Project: CMC
Prepared by: Michael Brandman Associates
Prepared on: 9/16/2009

	kWh/MG	
	Northern California	**Southern California**
Water Supply and Conveyance	2,117	9,727
Water Treatment	111	111
Water Distribution	1,272	1,272
Wastewater Treatment	1,911	1,911
Totals	***5,411***	***13,021***

From CEC 2006

	Gallons per day	**Millions Gallons (MG) per year**
Water Usage	7,000	2.555

	kWh	**MWh**
Energy Usage	33,269	33

Greenhouse Gas	**Indirect Electricity Emission Factor (pounds per MWh/year)**	**Emissions (pounds/year)**	**Emissions (tons/year)**
Carbon dioxide	878.71	29,233	15
Methane	0.0067	0.22	0.000
Nitrous oxide	0.0037	0.12	0.000

Source of emission factor for electricity:
California Climate Action Registry. General Reporting Protocol. Reporting Entity-Wide Greenhouse Gas Emissions. Version 3.1, January 2009. www.climateregistry.org/resources/docs/protocols/grp/GRP_3.1_January2009.pdf, Table E1 and Table E3.

CEC 2006. Navigant Consulting, Inc. 2006. Refining Estimates of Water-Related Energy Use in California. California Energy Commission, PIER Industrial/Agricultural/Water End Use Energy Efficiency Program. CEC-500-2006-118. www.energy.ca.gov/pier/project_reports/CEC-500-2006-118.html

Natural Gas Combustion

CMC
Prepared by Michael Brandman Associates
9/16/2009

Gas	Type of Land Use	Square Feet or Units	Annual Natural Gas Usage Factor* (kBTU/sf)	Natural Gas Usage for Project (MMBTU/year)	Emission Factor (g/MMBTU)**	Emissions (g/year)	Emissions (tons/year)	Emissions (pounds/day)
Methane	Institutional	45,000	1.89	85.05	4.75	404	0.00	0.00
Nitrous Oxide	Institutional	45000	1.89	85.05	0.095	8	0.00	0.00

Units	Methane	Nitrous Oxide
pounds per day	0.00	0.00
tons per year	0	0
GWP	21	310
MTCO2 Eq/year	0.01	0.00

* *Table E-1 from California Energy Commission. California Commercial End-Use Survey. Consultant Report. March 2006. CEC-400-2006-005

** USEPA, 2004: Direct Emissions from Stationary Combustion Sources, Climate Leaders Greenhouse Inventory Protocol, Core Model Guidance, October 2004

Table E-1: Overview of Energy Usage in the Statewide Service Area

Building Type	Floor Stock (kft^2)	Annual Energy Intensities			Total Annual Usage	
		Electricity (kWh/ft^2)	Natural Gas ($therms/ft^2$)	Natural Gas ($kBtu/ft^2$)	Electricity (GWh)	Natural Gas (Mtherms)
All Commercial	4,920,114	13.63	0.26	25.99	67077	1278.60
Small Office (<30k ft^2)	361,584	13.10	0.11	10.54	4738	38.10
Large Office (>=30k ft^2)	660,429	17.70	0.22	21.93	11691	144.80
Restaurant	148,892	40.20	2.10	209.98	5986	312.60
Retail	702,053	14.06	0.05	4.62	9871	32.50
Food Store	144,209	40.99	0.28	27.60	5911	39.80
Refrigerated Warehouse	95,540	20.02	0.06	5.60	1913	5.30
Unrefrigerated Warehouse	554,166	4.45	0.03	3.07	2467	17.00
School	445,106	7.46	0.16	15.97	3322	71.10
College	205,942	12.26	0.34	34.24	2524	70.50
Health	232,606	19.61	0.76	75.53	4561	175.70
Lodging	270,044	12.13	0.42	42.40	3275	114.50
Miscellaneous	1,099,544	9.84	0.23	23.34	10817	256.60
All Offices	1,022,012	16.08	0.18	17.90	16430	182.90
All Warehouses	649,706	6.74	0.03	3.44	4380	22.40

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: S:\Projects\11540005 California Mens Colony (CMC)\Air Quality\Modeling\URB\MHCB 2020.urb924

Project Name: CMC - New Facility at 2020

Project Location: San Luis Obispo County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.07	0.05	0.30	0.00	0.00	0.00	66.16

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.22	0.23	2.01	0.00	0.52	0.10	268.85

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.29	0.28	2.31	0.00	0.52	0.10	335.01

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.00	0.05	0.05	0.00	0.00	0.00	65.70
Hearth							
Landscape	0.02	0.00	0.25	0.00	0.00	0.00	0.46
Consumer Products	0.00						
Architectural Coatings	0.05						
TOTALS (tons/year, unmitigated)	0.07	0.05	0.30	0.00	0.00	0.00	66.16

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
MHCB Facility	0.22	0.23	2.01	0.00	0.52	0.10	268.85
TOTALS (tons/year, unmitigated)	0.22	0.23	2.01	0.00	0.52	0.10	268.85

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2020 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

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Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
MHCB Facility		7.16	1000 sq ft	45.00	322.20	1,662.55
					322.20	1,662.55

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	41.7	0.0	100.0	0.0
Light Truck < 3750 lbs	18.6	0.0	96.8	3.2
Light Truck 3751-5750 lbs	20.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	8.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0.0	76.2	23.8
Lite-Heavy Truck 10,001-14,000 lbs	1.2	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	1.0	0.0	20.0	80.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.3	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	5.2	38.5	61.5	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.7	0.0	88.2	11.8

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	13.0	5.0	5.0	13.0	5.0	5.0

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	13.0	5.0	5.0	13.0	5.0	5.0
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)						
MHCB Facility				2.0	1.0	97.0