

Napa County Greenhouse Gas Emissions: Baselines and Forecasts

Napa Valley Community Foundation, Green Fund

**MIG - Moore, Iacofano and Goltsman &
Climate Protection Campaign**

Deliverable 1: Refine the current greenhouse gas inventory analysis for electricity, natural gas, transportation, solid waste and other sectors

July 29, 2009

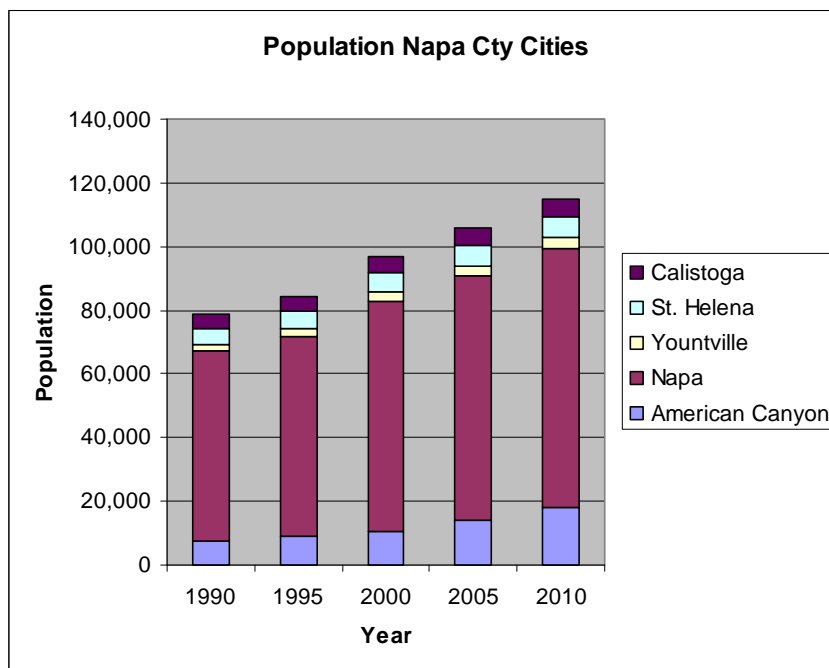
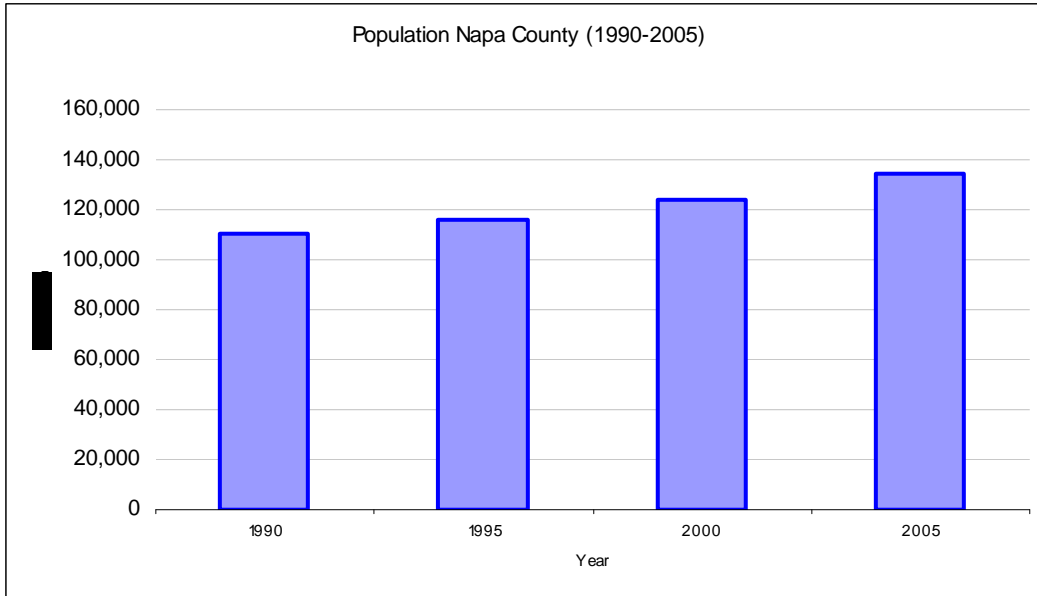
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Baselines

Population ¹

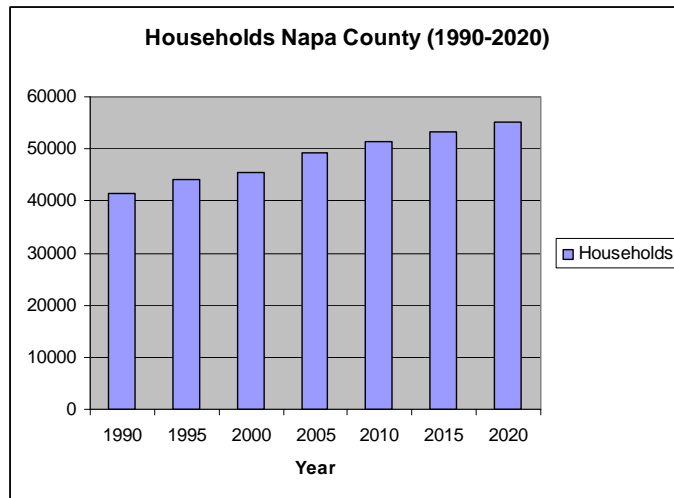
Population in Napa County grew by 21.1 percent between 1990 and 2005.



¹ Source: US Census Bureau, Population Estimates Program. Source for City populations: California Department of Finance and ABAG. Figures reported in the Napa County General Plan and the General Plans of each of the Cities.

Households

19.3 percent increase in number of households in Napa County between 1990 and 2005. The number of households is expected to increase another 12 percent between 2005 and 2020.



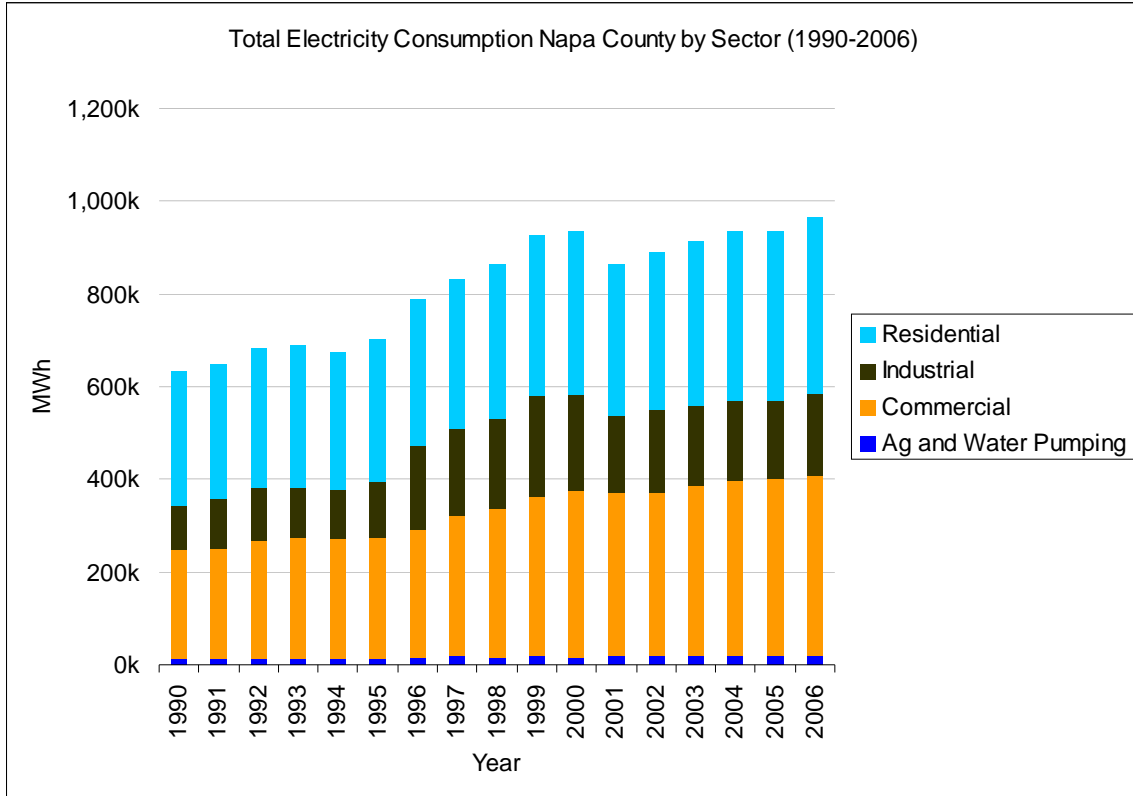
Year	Households
1990	41,312
1995	44,049
2000	45,402
2005	49,290
2010	51,490
2015	53,400
2020	55,240

Electricity Consumption, 1990 - 2006²

Per capita electricity use (Residential Sector)

1990: 2623 kWh

2005: 2740 kWh



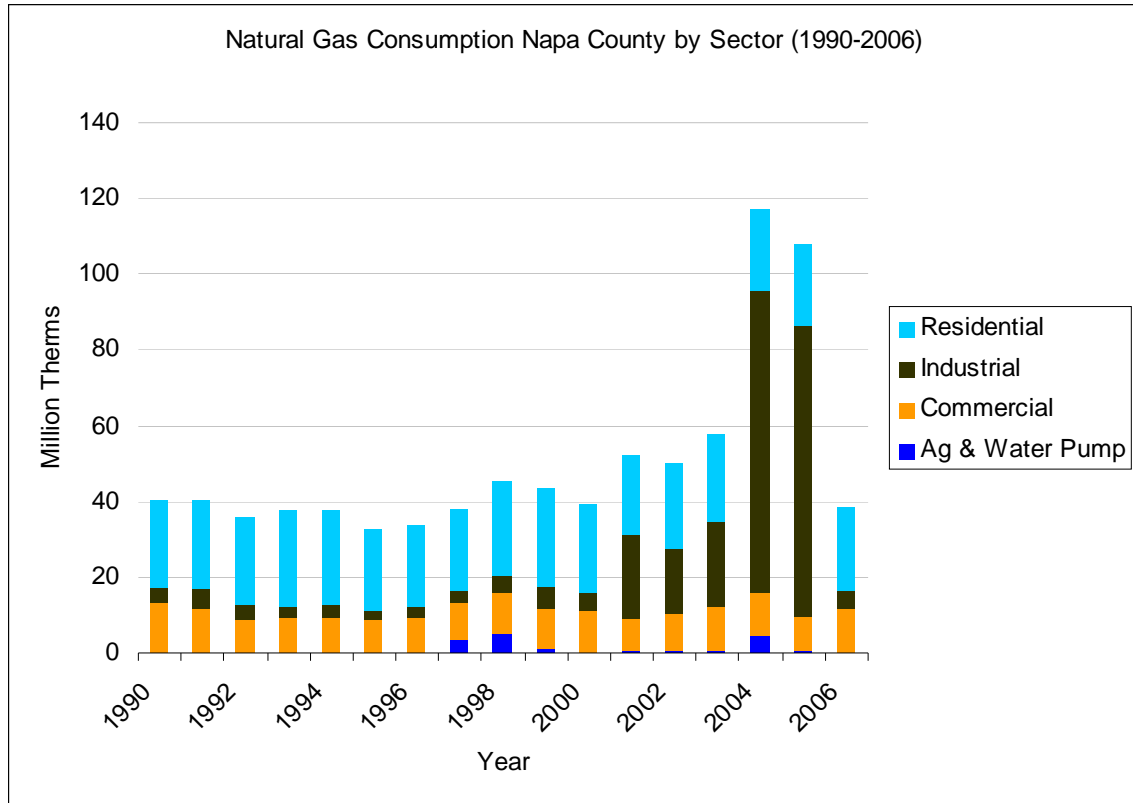
² Electricity and Natural Gas data from California Energy Commission. Provided by Andrea Gough

Natural Gas Consumption, 1990 - 2006³

Per capita natural gas use

1990: 208.5 therms

2005: 159.2 therms



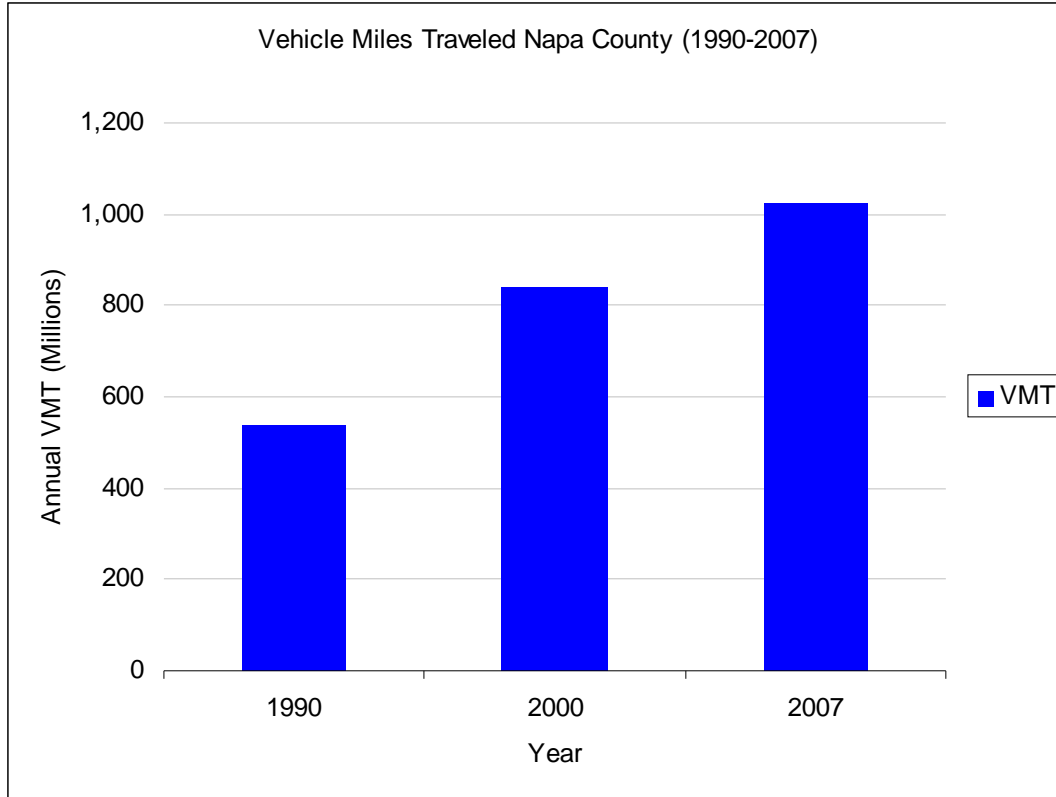
³ We will research the cause of the two anomalous years, 2004 and 2005.

Transportation, 1990, 2000, 2007⁴

Per Capita Annual VMT:

1990: 4,300

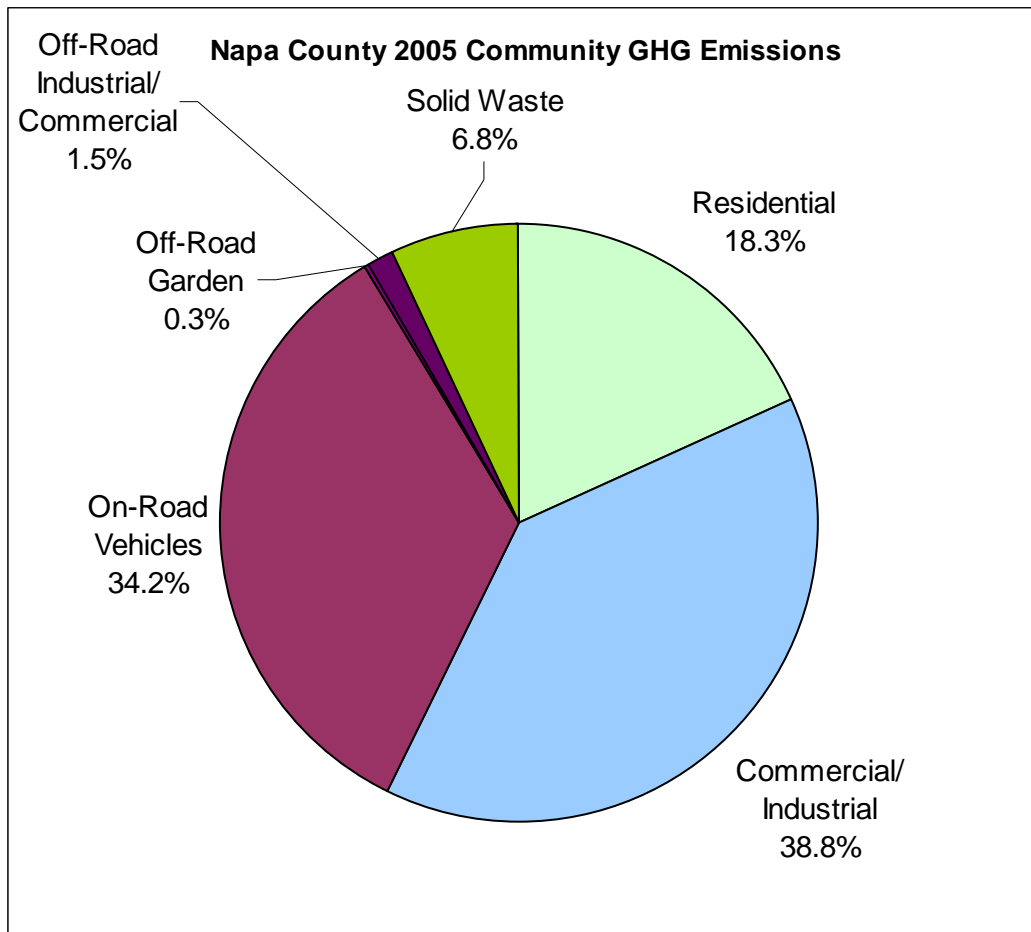
2007: 7,700



⁴ 2007 California Motor Vehicle Stock, Travel and Fuel Forecast, California Department of Transportation

Emissions by Sector, 2005

Sector	eCO2 (tonnes)
Residential	229,677
Commercial	212,496
Industrial	28,631
Transportation	633,823
Waste	24,983
Other	35,007
Total	1,164,617



Emissions by Source, 1990 and 2005

1990

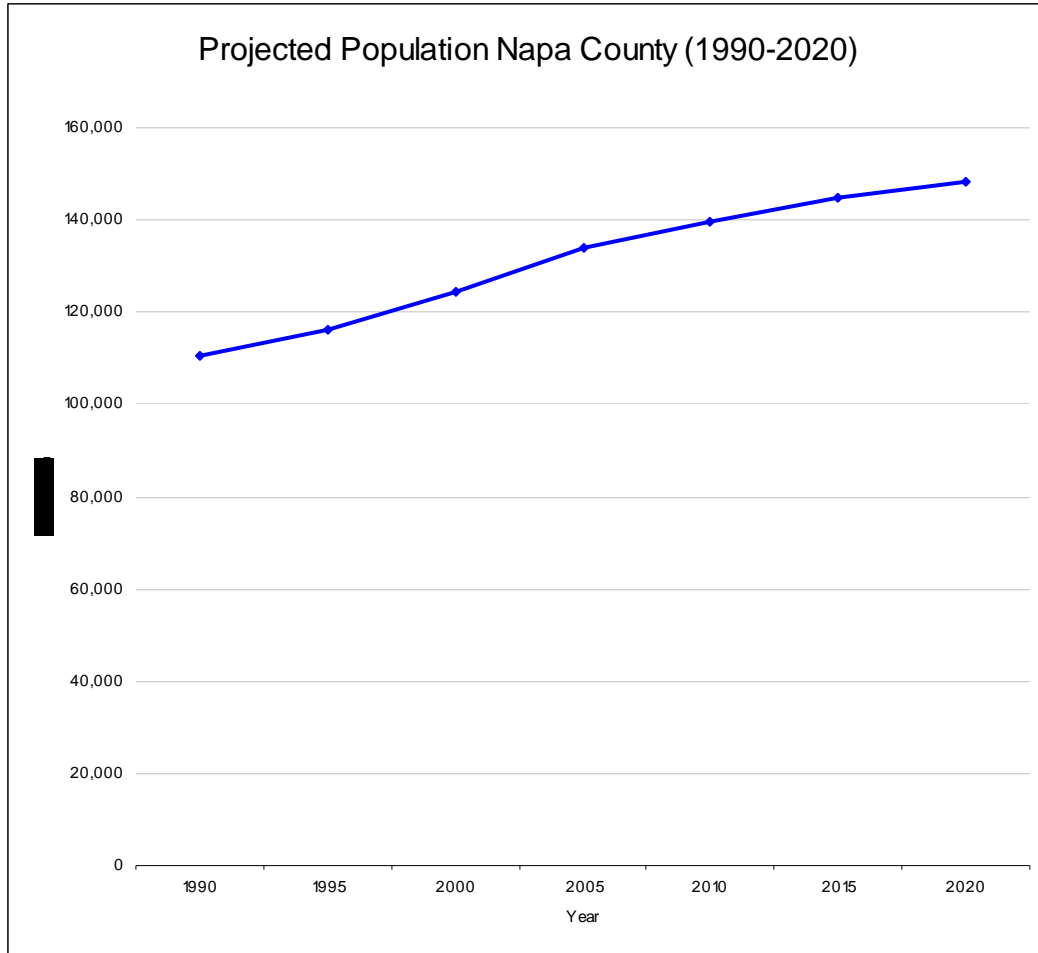
1990	Quantity	Units	GHG (tonnes)
<i>Electricity</i>			
	633,693	MWh	161,011
<i>Natural Gas</i>			
	40	Million Therms	214,265
<i>Transportation</i>			
	583.3	million VMT	411,770
<i>Solid Waste</i>			
	105,667	tons	18,283
Total			787,046

2005

2005	Quantity	Units	GHG (tonnes)
<i>Electricity</i>			
	937,319	MWh	207,962
<i>Natural Gas</i>			
	36	Million Therms	190,513
<i>Transportation</i>			
	1067.2	million VMT	636,724
<i>Solid Waste</i>			
	190000	tons	34,216
Total			1,069,416

Forecasts

Population⁵



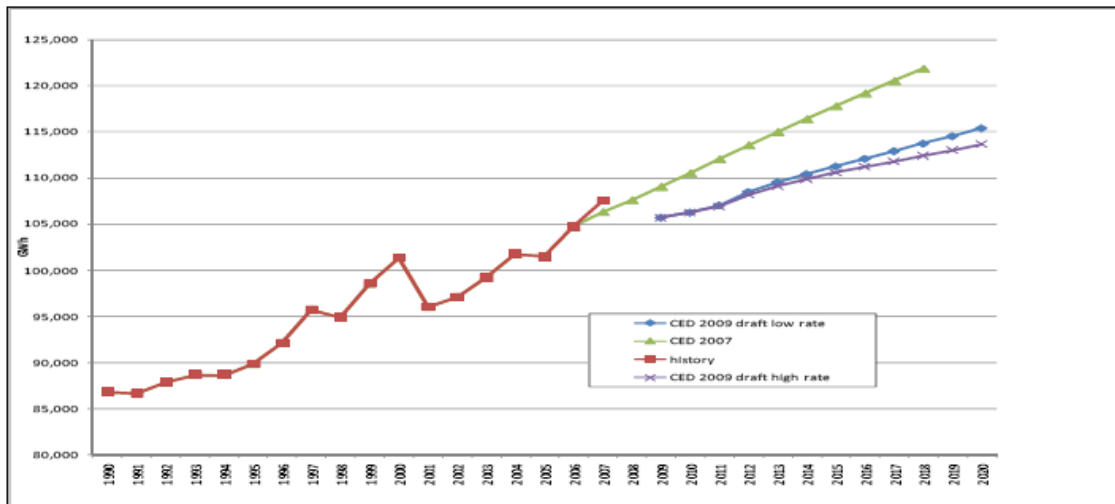
Year	Population
1990	110,765
1995	116,077
2000	124,279
2005	134,100
2010	139,700
2015	144,800
2020	148,100

⁵ ABAG population projections

Electricity⁶

Year	GWh Consumption	Change from previous
1990	86,803	0.00%
2000	101,331	16.74%
2007	107,529	6.12%
2010	106,240	-1.20%
2015	110,588	4.09%
2018	112,414	1.65%
Total Change 1990-2018		29.5%

Figure 2-1: PG&E Planning Area Electricity Forecast



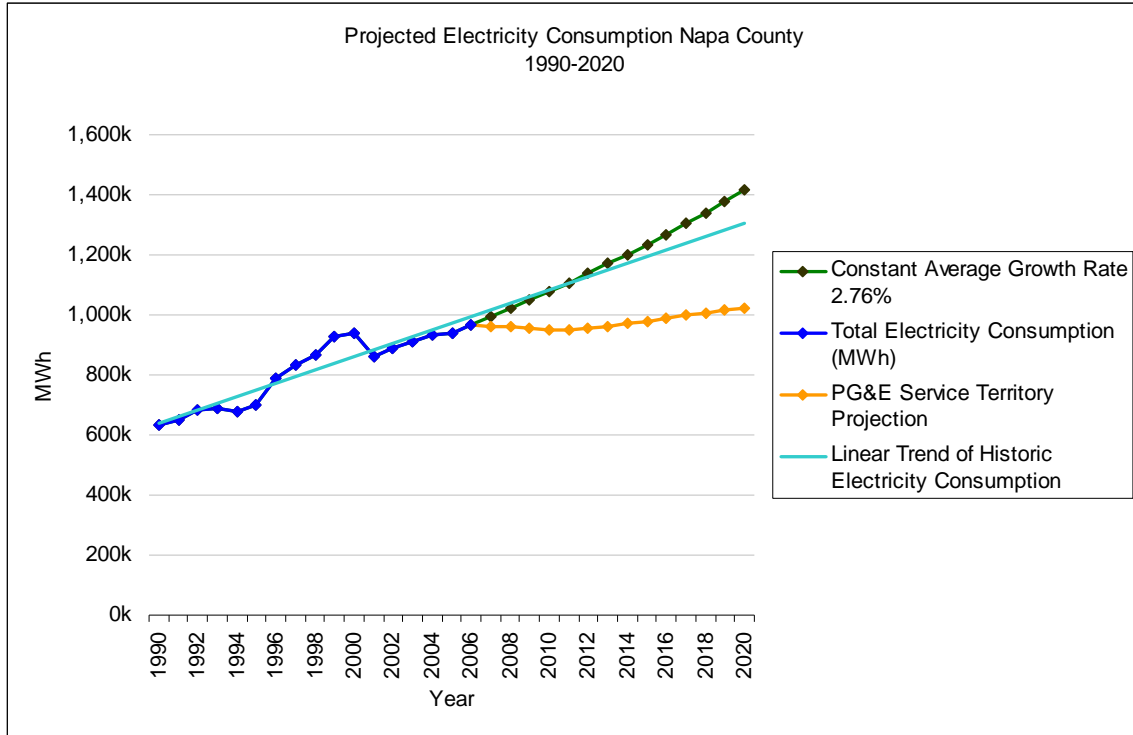
Source: California Energy Commission, 2009

Average Annual Electricity Growth Rates in the PG&E Service Territory

Year	High Estimate	Low Estimate
1990-2000	1.56%	1.56%
2000-2007	1.19%	1.19%
2007-2010	-0.40%	-0.40%
2010-2018	0.86%	0.71%

⁶ California Energy Demand 2010-2020 - Staff Draft Forecast, California Energy Commission, June 2009. Please note: PG&E Service Territory Growth Rates and Forecasts are used to project electricity and natural gas use for the County. These growth curves give a lower bound since the historic growth in Napa County has been higher than in the PG&E service territory as a whole.

Electricity (continued)

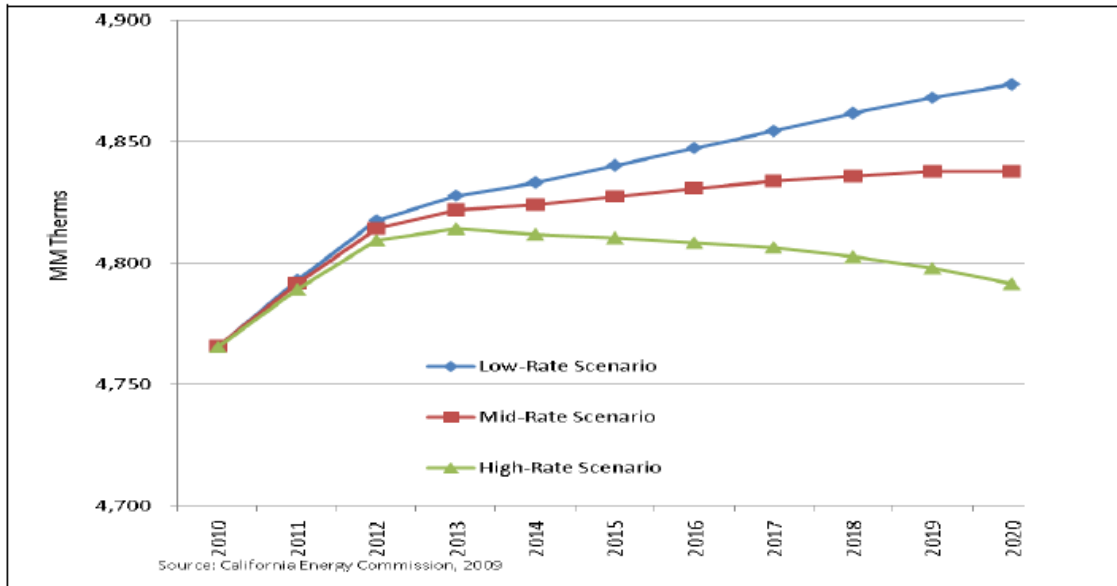


Projected Electricity Use for Napa County in 2020

MWh	High	Trend	PG&E	Average
2020	1,414,849	1,304,097	1,023,412	1,247,453

Natural Gas

Figure 7- 7: PG&E Gas Consumption by Rate Scenario

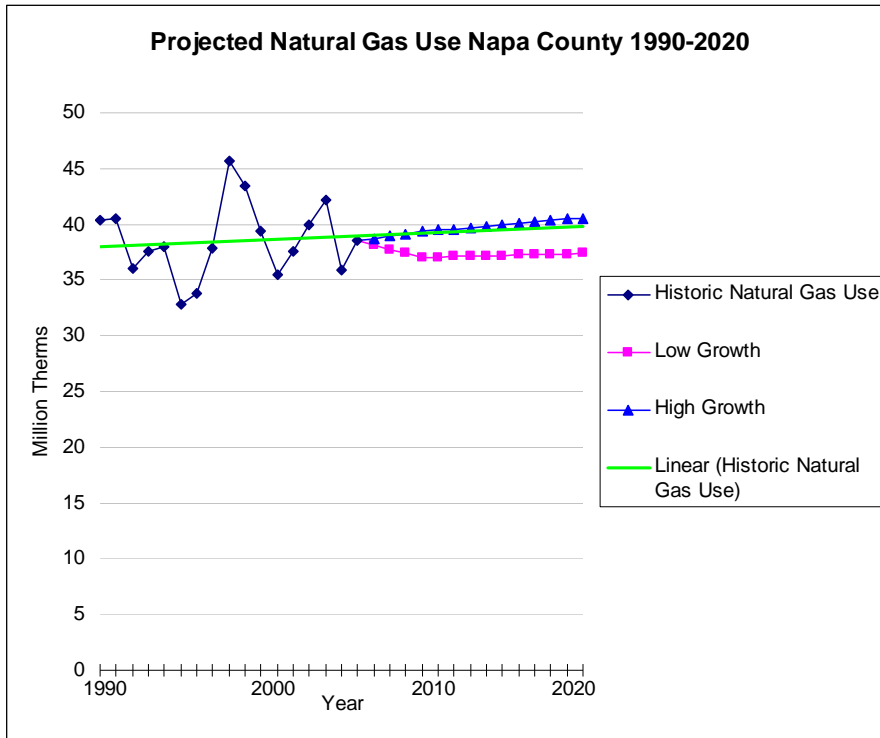


	<i>CED2009</i> (High-Rate Case) MM Thm	Percent Difference
1990	5,275	
2000	5,291	0.30%
2007	4,912	-7.16%
2010	4,765	-2.99%
2018	4,803	0.80%
Total Change 1990-2018		-8.95%

Average Annual Natural Gas Growth Rates in the PG&E Service Territory

1990-2000	0.03%	0.03%
2000-2007	-0.92%	-1.06%
2007-2010	0.52%	-1.00%
2010-2018	0.31%	0.10%

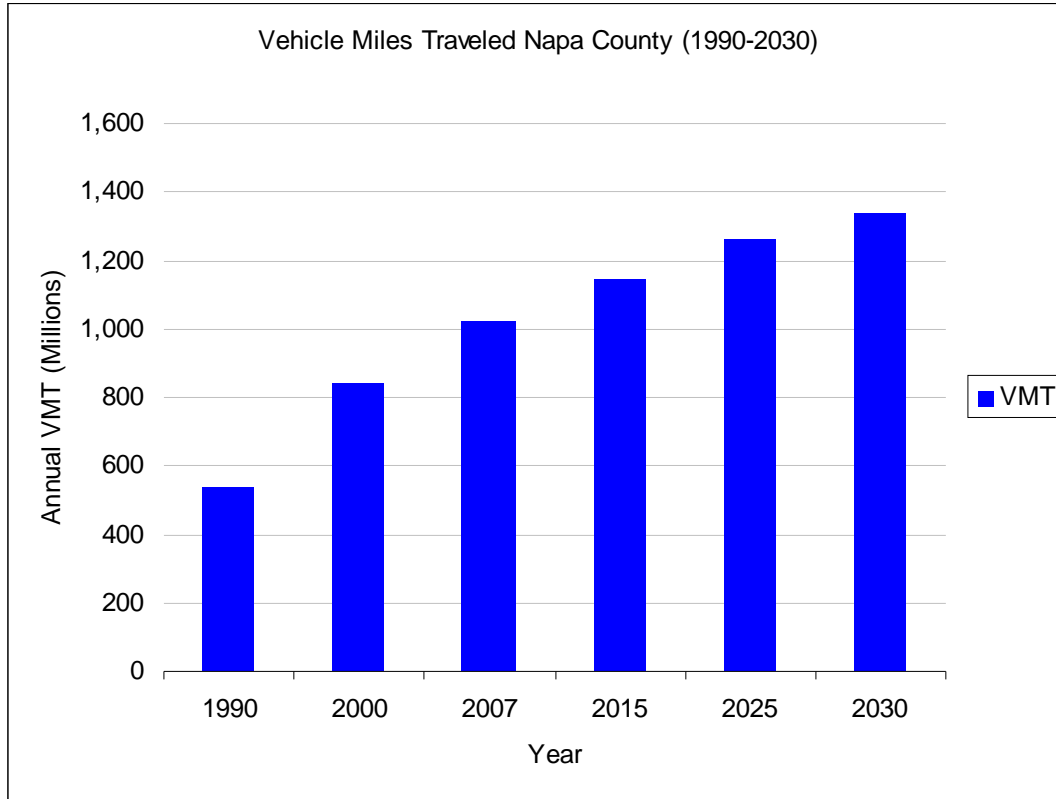
Natural Gas (continued)



Projected Natural Gas Use for Napa County in 2020

MM Thm	Low PG&E	Trend	High PG&E	Average
2020	37.4	39.8	40.6	39.3

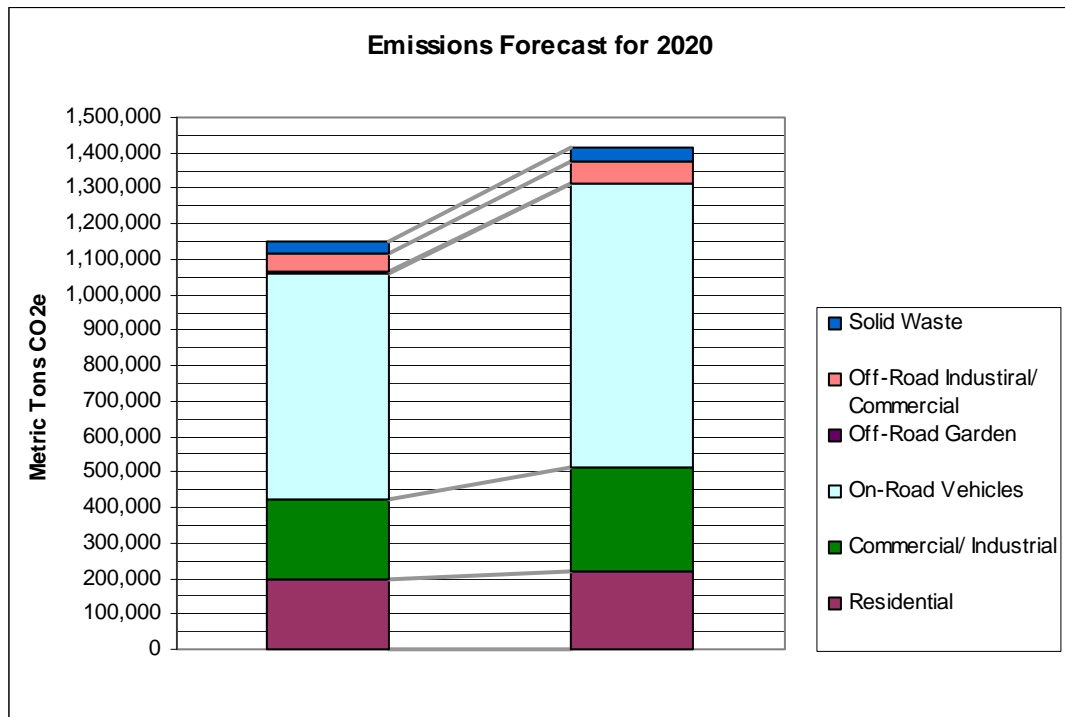
Transportation⁷



Napa County (from MTC)	1990	2000	2007	2015	2025
Million Annual VMT	538.3	839.0	1024.2	1142.9	1260.5

⁷ Travel Forecasts Data Summary, Transportation 2035, Plan for the San Francisco Bay Area
December 2008, Metropolitan Transportation Commission

Forecast by Sector



2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	196,350	219,924	0.759%	12.0%
Commercial/ Industrial	226,661	292,783	1.721%	29.2%
On-Road Vehicles	636,724	797,054	1.509%	25.2%
Off-Road Garden	3,616	4,053	0.763%	12.1%
Off-Road Industrial/ Commercial	49,675	59,839	1.249%	20.5%
Solid Waste	34,216	37,987	0.700%	11.0%
TOTAL	1,147,242	1,411,640	--	23.0%

Forecast by Source

Target Year 2020

2020	Quantity	Units	GHG (tonnes)
<i>Electricity</i>			
	1,247,453	MWh	204,749
<i>Natural Gas</i>			
	39.3	Million Therms	208,372
<i>Transportation</i>			
	1,260	million VMT	706,206
<i>Solid Waste</i>			
	210,940		37,987
Total			1,157,314

This forecast does not include emissions due to “waste in place” from landfills or emissions due to off-road equipment.

GHG emissions due to electricity use were calculated based on PG&E’s projected “carbon efficiency” of its fuel mix as described in the 2006 Long Term Procurement Plan⁸. The carbon efficiency is the amount of emissions per Megawatt-hour delivered to customers. It is given in pounds (of eCO₂) per Megawatt-hour.

Plans/Scenarios (lbs/MWh)	PG&E Scenario 1	PG&E Scenario 2	PG&E Scenario 3	PG&E Scenario 4
<i>Basic & IR</i>	342	409	381	385
<i>IR & PR</i>	311	352	349	365

These levels were averaged and the average was multiplied by the total projected electricity use for Napa County for 2020.

⁸ VOLUME 1 – 2006 Long-Term Procurement Plan, Section V – Procurement Strategy By Resource - Amendment, Pacific Gas And Electric Company

Comparison with Target

Given that the target level that has been proposed is the same as the statewide AB 32 target, 1990 levels by 2020, the 1990 levels were determined as closely as possible for Napa County as a whole. These are shown in the table below:

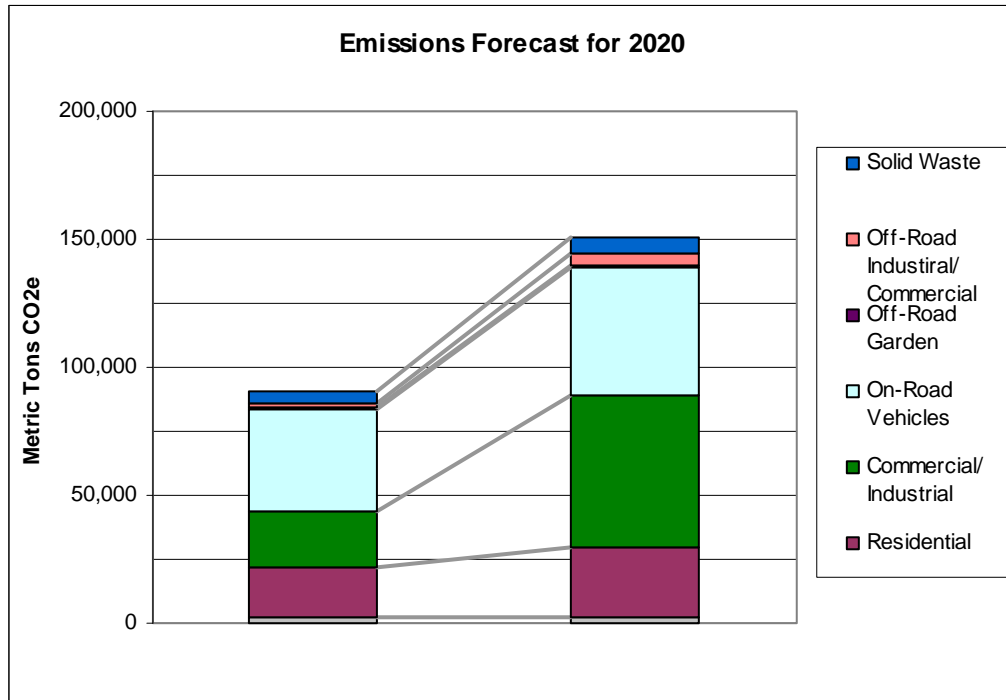
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	40	Million Therms	214,265
<i>Transportation</i>			
	583.3	million VMT	411,770
<i>Solid Waste</i>			
	105,667	tons	18,283
Total			787,046

2005 Levels Compared to 1990 Levels	
<i>Electricity</i>	29%
<i>Natural Gas</i>	-11%
<i>Transportation</i>	55%
<i>Solid Waste</i>	87%
<i>Total</i>	36%

2020 Levels Compared to 1990 Levels	
<i>Electricity</i>	27%
<i>Natural Gas</i>	-3%
<i>Transportation</i>	72%
<i>Solid Waste</i>	108%
<i>Total</i>	47%

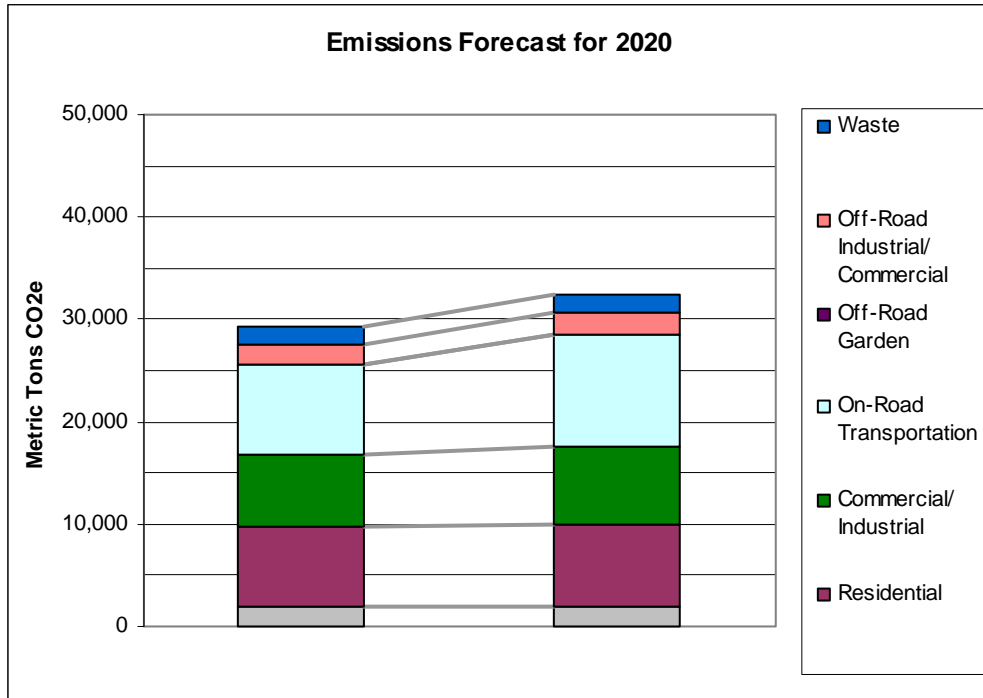
Forecasts for Napa County Cities and Unincorporated Area

American Canyon



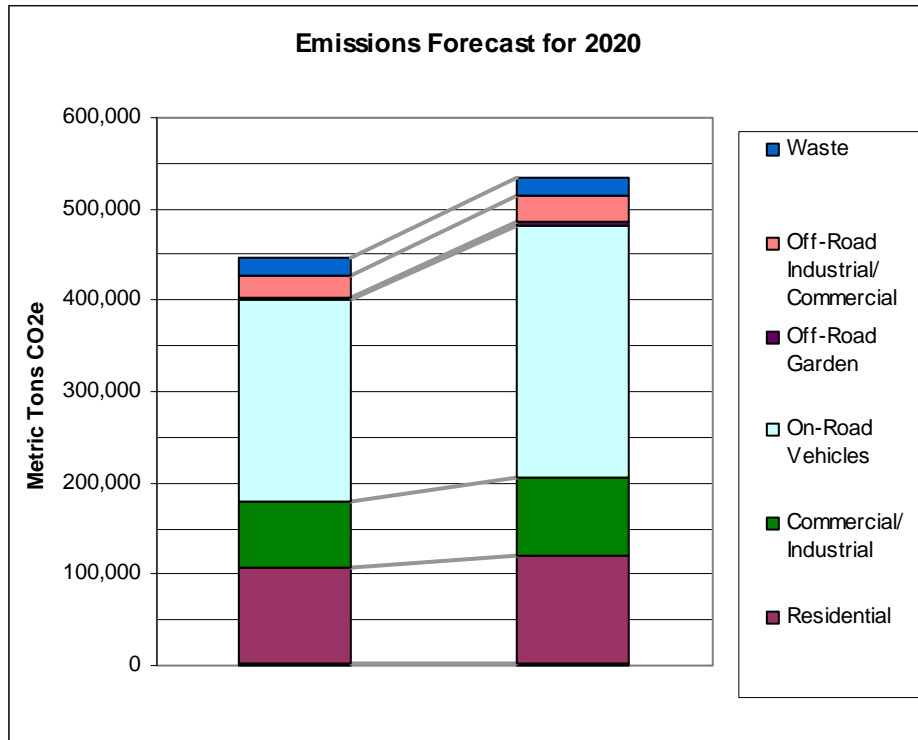
2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	19,819	27,393	2.181%	38.2%
Commercial/ Industrial	21,672	59,261	6.936%	173.4%
On-Road Vehicles	40,479	50,672	1.509%	25.2%
Off-Road Garden	346	478	2.181%	38.2%
Off-Road Industrial/ Commercial	1,660	4,539	6.936%	173.4%
Solid Waste	4,668	6,279	1.996%	34.5%
TOTAL	88,644	148,622	--	67.7%

Calistoga



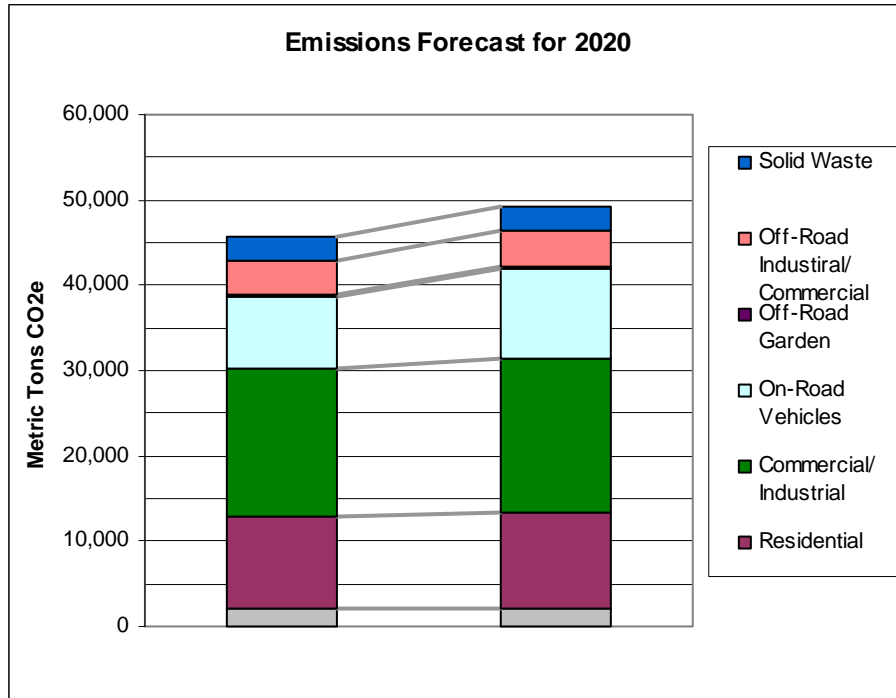
2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	7,758	8,022	0.223%	3.4%
Commercial/ Industrial	7,062	7,486	0.390%	6.0%
On-Road Transportation	8,704	10,896	1.509%	25.2%
Off-Road Garden	151	156	0.223%	3.4%
Off-Road Industrial/ Commercial	1,949	2,066	0.390%	6.0%
Waste	1,693	1,726	0.127%	1.9%
TOTAL	27,317	30,351	--	11.1%

City of Napa



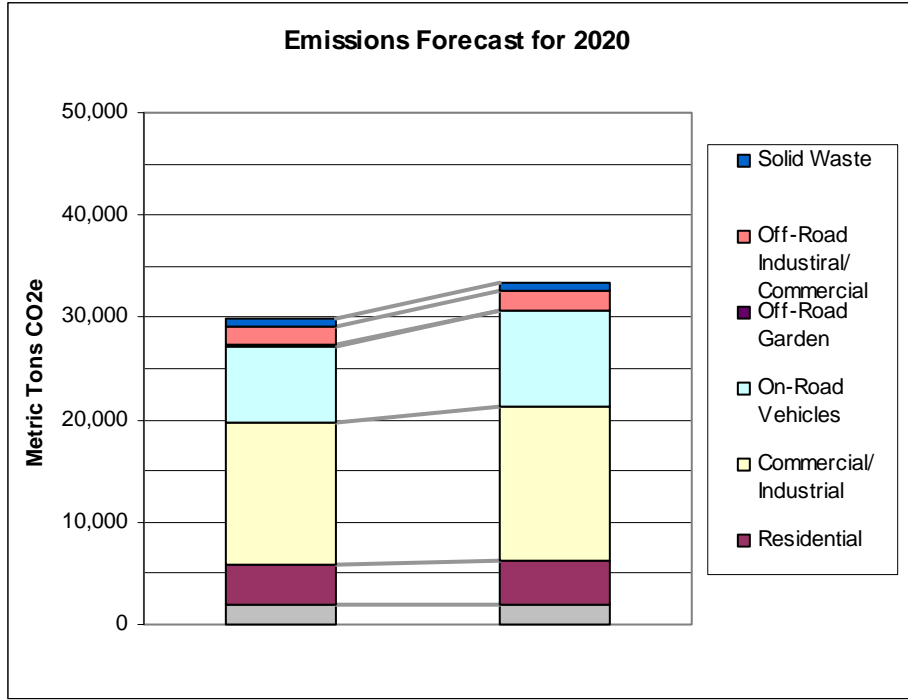
2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	106,003	117,765	0.704%	11.1%
Commercial/ Industrial	71,120	85,279	1.218%	19.9%
On-Road Vehicles	221,901	277,777	1.509%	25.2%
Off-Road Garden	2,109	2,343	0.704%	11.1%
Off-Road Industrial/ Commercial	24,277	29,110	1.218%	19.9%
Waste	18,621	20,298	0.577%	9.0%
TOTAL	444,031	532,573	--	19.9%

St. Helena



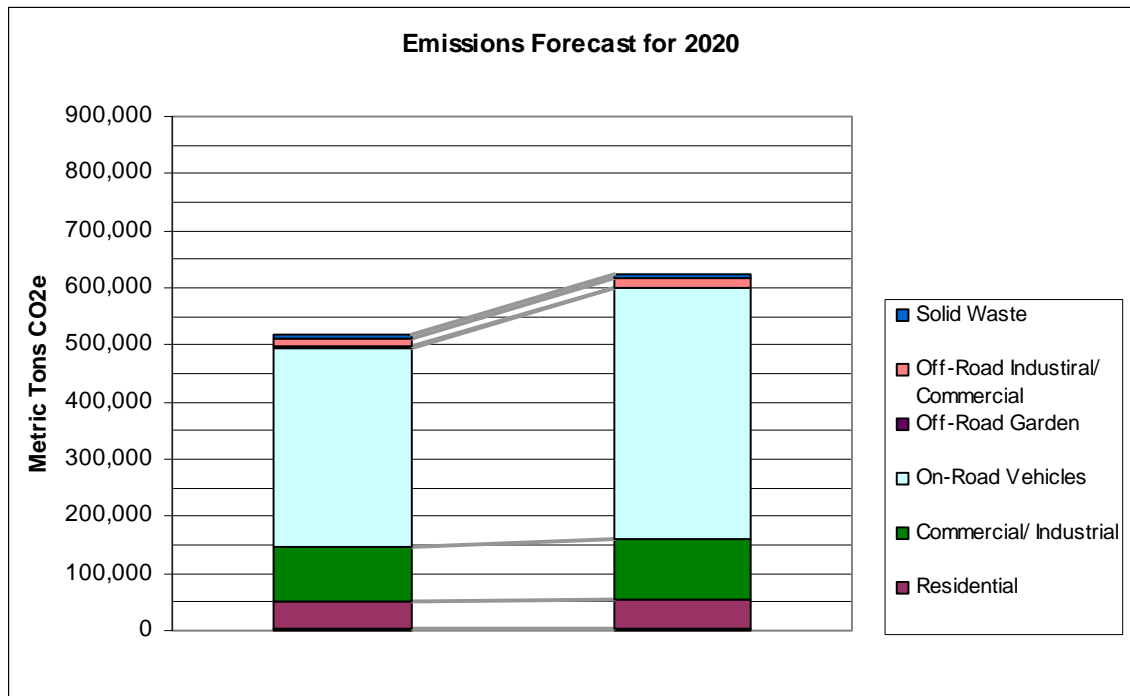
2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	10,781	11,225	0.269%	4.1%
Commercial/ Industrial	17,458	18,139	0.255%	3.9%
On-Road Vehicles	8,452	10,580	1.509%	25.2%
Off-Road Garden	178	185	0.269%	4.1%
Off-Road Industrial/ Commercial	4,061	4,219	0.255%	3.9%
Solid Waste	2,744	2,789	0.108%	1.6%
TOTAL	43,674	47,137	--	7.9%

Yountville



2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	3,765	4,288	0.871%	13.9%
Commercial/ Industrial	14,032	15,019	0.454%	7.0%
On-Road Vehicles	7,424	9,293	1.509%	25.2%
Off-Road Garden	79	90	0.871%	13.9%
Off-Road Industrial/ Commercial	1,858	1,989	0.454%	7.0%
Solid Waste	694	755	0.565%	8.8%
TOTAL	27,852	31,435	--	12.9%

Unincorporated Area



2005 Community Emissions Growth Forecast by Sector	2005	2020	Annual Growth Rate	Percent Change from 2005 to 2020
Residential	48,224	51,232	0.404%	6.2%
Commercial/ Industrial	95,317	107,599	0.811%	12.9%
On-Road Vehicles	349,764	437,836	1.509%	25.2%
Off-Road Garden	753	800	0.404%	6.2%
Off-Road Industrial/ Commercial	15,870	17,915	0.811%	12.9%
Solid Waste	5,796	6,141	0.386%	5.9%
TOTAL	515,724	621,522	--	20.5%

Appendix – Supporting Data

Napa County Total Electricity Use 1990-2005 (California Energy Commission Data)

Sector	Year	Utility	DA	Self Gen	Total
Ag & Water Pump	1990	13,097	-	-	13,097
Commercial	1990	218,808	-	15,563	234,371
Industrial	1990	95,608	-	-	95,608
Residential	1990	290,618	-	-	290,618
	1990 Total				633,693
Ag & Water Pump	1995	14,090	-	-	14,090
Commercial	1995	237,871	-	22,544	260,415
Industrial	1995	120,159	-	-	120,159
Residential	1995	307,545	-	-	307,545
	1995 Total				702,210
Ag & Water Pump	1996	15,318	-	-	15,318
Commercial	1996	251,303	-	22,823	274,126
Industrial	1996	182,635	-	-	182,635
Residential	1996	316,362	-	-	316,362
	2000 Total				937,312
Ag & Water Pump	2005	18,911	7	-	18,917
Commercial	2005	324,759	40,855	15,481	381,095
Industrial	2005	157,684	12,062	-	169,746
Residential	2005	367,561	-	-	367,561
	2005 Total				937,319

Note: Electricity use in Megawatt-hours

Napa County Natural Gas Use 1990-2005

Sector	Year	Million Therms
Ag & Water Pump	1990	0
Commercial	1990	13
Industrial	1990	4
Residential	1990	23
	1990 Total	40
Ag & Water Pump	1995	0
Commercial	1995	9
Industrial	1995	3
Residential	1995	21
	1995 Total	33
Ag & Water Pump	2000	0
Commercial	2000	11
Industrial	2000	5
Residential	2000	23
	2000 Total	39
Ag & Water Pump	2005	0
Commercial	2005	9
Industrial	2005	5
Residential	2005	21
	2005 Total	36

Note: Natural Gas use in Million therms

Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
American Canyon			
Residential			
<i>American Canyon</i>			
Electricity	7,415	0.4	113,203
Natural Gas	13,118	0.7	234,045
Subtotal American Canyon	20,533	1.1	347,248
Subtotal Residential	20,533	1.1	347,248
Commercial			
<i>American Canyon</i>			
Electricity	7,787	0.4	118,875
Natural Gas	13,230	0.7	236,040
Subtotal American Canyon	21,016	1.2	354,915
Subtotal Commercial	21,016	1.2	354,915
Industrial			
<i>American Canyon</i>			
Electricity	918	0.1	14,016
Subtotal American Canyon	918	0.1	14,016
Subtotal Industrial	918	0.1	14,016
Transportation			
<i>American Canyon On Road</i>			
Gasoline	34,930	1.9	449,844
Diesel	2,648	0.1	33,374
Subtotal American Canyon On Road	37,578	2.1	483,218
Subtotal Transportation	37,578	2.1	483,218
Waste			
<i>ADC American Canyon</i>			<i>Disposal Method - Managed Landfill</i>
Plant Debris	1,084	0.1	
Subtotal ADC American Canyon	1,084	0.1	

This report has been generated for Napa County, CA using STAPPA/ALAPCO and ICLEI's Clean Air and Climate Protection Software developed by Torrie Smith Associates Inc.

Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
<i>MSW American Canyon</i>			
Paper Products	1,999	0.1	
Food Waste	787	0.0	
Plant Debris	211	0.0	
Wood/Textiles	587	0.0	
Subtotal MSW American Canyon	3,584	0.2	
Subtotal Waste	4,668	0.3	
Subtotal American Canyon	84,713	4.7	1,199,397
<i>Calistoga</i>			
Residential			
<i>Calistoga</i>			
Electricity	2,686	0.1	41,008
Natural Gas	5,361	0.3	95,651
Subtotal Calistoga	8,047	0.4	136,659
Subtotal Residential	8,047	0.4	136,659
Commercial			
<i>Calistoga</i>			
Electricity	3,263	0.2	49,809
Natural Gas	3,427	0.2	61,150
Subtotal Calistoga	6,690	0.4	110,959
Subtotal Commercial	6,690	0.4	110,959
Industrial			
<i>Calistoga</i>			
Electricity	385	0.0	5,873
Subtotal Calistoga	385	0.0	5,873
Subtotal Industrial	385	0.0	5,873

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
Transportation			
<i>Calistoga On Road</i>			
Gasoline	7,198	0.4	92,713
Diesel	1,506	0.1	19,122
Subtotal Calistoga On Road	8,704	0.5	111,836
Subtotal Transportation	8,704	0.5	111,836
Waste			
<i>ADC Calistoga</i>			
Plant Debris	24	0.0	<i>Disposal Method - Managed Landfill</i>
Subtotal ADC Calistoga	24	0.0	
<i>MSW Calistoga</i>			
Paper Products	931	0.1	<i>Disposal Method - Managed Landfill</i>
Food Waste	366	0.0	
Plant Debris	98	0.0	
Wood/Textiles	274	0.0	
Subtotal MSW Calistoga	1,669	0.1	
Subtotal Waste	1,694	0.1	
Subtotal Calistoga	25,519	1.4	365,325
Napa City			
Residential			
<i>Napa City</i>			
Electricity	38,370	2.1	585,779
Natural Gas	71,506	3.9	1,275,796
Subtotal Napa City	109,875	6.1	1,861,575
Subtotal Residential	109,875	6.1	1,861,575
Commercial			
<i>Napa City</i>			
Electricity	38,709	2.1	590,951
Natural Gas	28,806	1.6	513,951
Subtotal Napa City	67,514	3.7	1,104,902

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
Subtotal Commercial	67,514	3.7	1,104,902
Industrial			
<i>Napa City</i>			
Electricity	4,564	0.3	69,675
Natural Gas	733	0.0	13,083
Subtotal Napa City	5,297	0.3	82,758
Subtotal Industrial	5,297	0.3	82,758
Transportation			
<i>Napa City On Road</i>			
Gasoline	183,515	10.1	2,363,687
Diesel	38,386	2.1	487,510
Subtotal Napa City On Road	221,901	12.2	2,851,197
Subtotal Transportation	221,901	12.2	2,851,197
Waste			
<i>ADC Napa City</i>			<i>Disposal Method - Managed Landfill</i>
Plant Debris	445	0.0	
Subtotal ADC Napa City	445	0.0	
<i>MSW Napa City</i>			<i>Disposal Method - Managed Landfill</i>
Paper Products	10,139	0.6	
Food Waste	3,990	0.2	
Plant Debris	1,069	0.1	
Wood/Textiles	2,979	0.2	
Subtotal MSW Napa City	18,176	1.0	
Subtotal Waste	18,621	1.0	
Subtotal Napa City	423,209	23.3	5,900,432

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
Napa Uninc			
Residential			
<i>Napa Uninc</i>			
Electricity	27,991	1.5	427,336
Natural Gas	21,527	1.2	384,078
Subtotal Napa Uninc	49,518	2.7	811,414
Subtotal Residential	49,518	2.7	811,414
Commercial			
<i>Napa Uninc</i>			
Electricity	45,697	2.5	697,644
Natural Gas	42,477	2.3	757,874
Subtotal Napa Uninc	88,174	4.9	1,455,518
Subtotal Commercial	88,174	4.9	1,455,518
Industrial			
<i>Napa Uninc</i>			
Electricity	1,450	0.1	22,132
Subtotal Napa Uninc	1,450	0.1	22,132
Subtotal Industrial	1,450	0.1	22,132
Transportation			
<i>Napa County Uninc</i>			
Gasoline	289,259	16.0	3,725,685
Diesel	60,505	3.3	768,422
Subtotal Napa County Uninc	349,764	19.3	4,494,107
Subtotal Transportation	349,764	19.3	4,494,107
Waste			
<i>ADC Napa Uninc</i>			
Plant Debris	48	0.0	<i>Disposal Method - Managed Landfill</i>
Subtotal ADC Napa Uninc	48	0.0	

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
<i>MSW Napa Uninc</i>			
Paper Products	3,207	0.2	
Food Waste	1,262	0.1	
Plant Debris	338	0.0	
Wood/Textiles	942	0.1	
Subtotal MSW Napa Uninc	5,748	0.3	
Subtotal Waste	5,797	0.3	
Other			
<i>Landfill Gas South Napa Waste Management</i>			
Methane	33,285	1.8	
Subtotal Landfill Gas South Napa Waste Management		33,285	1.8
<i>Landfill methane Clover Flat</i>			
Methane	1,722	0.1	
Subtotal Landfill methane Clover Flat	1,722	0.1	
Subtotal Other	35,007	1.9	
Subtotal Napa Uninc	529,710	29.2	6,783,170
St. Helena			
Residential			
<i>St. Helena</i>			
Electricity	4,078	0.2	62,250
Natural Gas	7,090	0.4	126,500
Subtotal St. Helena	11,168	0.6	188,751
Subtotal Residential	11,168	0.6	188,751
Commercial			
<i>St. Helena</i>			
Electricity	9,248	0.5	141,186
Natural Gas	7,034	0.4	125,507
Subtotal St. Helena	16,282	0.9	266,692
Subtotal Commercial	16,282	0.9	266,692

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
Industrial			
<i>St. Helena</i>			
Electricity	1,090	0.1	16,646
Subtotal St. Helena	1,090	0.1	16,646
Subtotal Industrial	1,090	0.1	16,646
Transportation			
<i>Napa Total</i>			
Gasoline	527,755	29.1	6,797,544
Diesel	110,393	6.1	1,401,993
Subtotal Napa Total	638,148	35.2	8,199,537
<i>St. Helena On Road</i>			
Gasoline	6,990	0.4	90,036
Diesel	1,462	0.1	18,570
Subtotal St. Helena On Road	8,452	0.5	108,606
Subtotal Transportation	646,600	35.7	8,308,142
Waste			
<i>ADC St. Helena</i>			
Plant Debris	39	0.0	<i>Disposal Method - Managed Landfill</i>
Subtotal ADC St. Helena	39	0.0	
<i>MSW St. Helena</i>			
Paper Products	1,507	0.1	<i>Disposal Method - Managed Landfill</i>
Food Waste	593	0.0	
Plant Debris	159	0.0	
Wood/Textiles	443	0.0	
Subtotal MSW St. Helena	2,701	0.1	
Subtotal Waste	2,740	0.2	
Subtotal St. Helena	677,881	37.4	8,780,231

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
Yountville			
Residential			
<i>Yountville</i>			
Electricity	27,991	1.5	427,336
Natural Gas	2,576	0.1	45,966
Subtotal Yountville	30,568	1.7	473,303
Subtotal Residential	30,568	1.7	473,303
Commercial			
<i>Yountville</i>			
Electricity	5,110	0.3	78,014
Natural Gas	8,482	0.5	151,333
Subtotal Yountville	13,592	0.7	229,347
Subtotal Commercial	13,592	0.7	229,347
Industrial			
<i>County Direct Access</i>			
Electricity	18,888	1.0	200,271
Subtotal County Direct Access	18,888	1.0	200,271
<i>Yountville</i>			
Electricity	602	0.0	9,198
Subtotal Yountville	602	0.0	9,198
Subtotal Industrial	19,491	1.1	209,469
Transportation			
<i>Yountville On Road</i>			
Gasoline	6,140	0.3	79,078
Diesel	1,284	0.1	16,310
Subtotal Yountville On Road	7,424	0.4	95,387
Subtotal Transportation	7,424	0.4	95,387

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Community Greenhouse Gas Emissions in 2005 Detailed Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (million Btu)
Waste			
<i>ADC Yountville</i>			<i>Disposal Method - Managed Landfill</i>
Plant Debris	10	0.0	
Subtotal ADC Yountville	10	0.0	
<i>MSW Yountville</i>			<i>Disposal Method - Managed Landfill</i>
Paper Products	381	0.0	
Food Waste	150	0.0	
Plant Debris	40	0.0	
Wood/Textiles	112	0.0	
Subtotal MSW Yountville	684	0.0	
Subtotal Waste	693	0.0	
Subtotal Yountville	71,768	4.0	1,007,506
Total	1,812,800	100.0	24,036,062