

Appendix B: Inventory of Napa County Greenhouse Gas Emissions

Napa Countywide Community Carbon Footprint

10/14/09

TABLE 1: 2005 NAPA COUNTY GHG EMISSIONS (metric tons of CO2 equivalents)	Yountville	% Town Total	Calistoga	% City Total	St. Helena	% City Total	American Canyon	% City Total	City of Napa	% City Total	Unincorp Napa Cnty	% Unincorp Total	Total Napa County	% Napa County
Residential Buildings	3,765	13%	7,758	27%	10,781	23%	19,819	22%	106,003	23%	48,224	9%	196,350	16%
Commercial & Industrial Buildings	14,032	50%	7,062	25%	17,458	38%	21,672	24%	71,120	16%	95,317	17%	226,661	19%
Transportation	7,424	26%	8,704	31%	8,452	18%	40,479	44%	221,901	49%	349,764	63%	636,724	53%
Lawn & Garden Equipment	79	0%	151	1%	178	0%	346	0%	2,109	0%	753	0%	3,616	0%
Construction & Industrial/Commercial Equipment	1,858	7%	1,949	7%	4,061	9%	1,660	2%	24,277	5%	15,870	3%	49,675	4%
Agriculture/Farming	38	0%	132	0%	769	2%	4	0%	286	0%	31,817	6%	33,046	3%
Solid Waste	1,109	4%	2,671	9%	4,353	9%	7,469	8%	29,366	6%	9,241	2%	54,209	5%
TOTAL 2005 GHG EMISSIONS PER JURISDICTION	28,305		28,427		46,052		91,449		455,062		550,986		1,200,281	
% COUNTYWIDE GHG EMISSIONS	2%		2%		4%		8%		38%		46%		100%	

TABLE 2: 2005 GHG EMISSIONS PER CAPITA/HOUSEHOLDS/JOBS (metric tons of CO2 equivalents)	Yountville	% Napa County	Calistoga	% Napa County	St. Helena	% Napa County	American Canyon	% Napa County	City of Napa	% Napa County	Unincorp Napa Cnty	% Napa County	Total Napa County	% Napa County
Population (ABAG 2005)	3,400	3%	5,200	4%	6,100	5%	14,200	11%	76,600	57%	28,600	21%	134,100	100%
Households (ABAG 2005)	1,080	2%	2,060	4%	2,430	5%	4,710	10%	28,750	58%	10,260	21%	49,290	100%
Jobs (ABAG 2005)	2,700	4%	2,830	4%	2,700	4%	2,410	3%	35,280	51%	23,050	33%	68,950	100%
TOTAL EMISSIONS PER CAPITA	8.33		5.47		7.55		6.44		5.94		19.27		8.95	
RESIDENTIAL EMISSIONS PER CAPITA	1.11		1.49		1.77		1.40		1.38		1.69		1.46	
RESIDENTIAL & GARDEN EMISSIONS PER HOUSEHOLD	3.56		3.84		4.51		4.28		3.76		4.77		4.06	
COMMERCIAL/INDUSTRIAL EMISSIONS PER JOB	5.89		3.18		7.97		9.68		2.71		4.82		4.01	

TABLE 3: 2005 ANNUAL VEHICLE MILES TRAVELED (Caltrans HPMS)	Yountville	% Napa County	Calistoga	% Napa County	St. Helena	% Napa County	American Canyon	% Napa County	City of Napa	% Napa County	Unincorp Napa Cnty	% Napa County	Total Napa County	% Napa County
Local Roads-Annual Vehicle Miles Traveled (1,000's)	2,387	1%	5,873	1%	7,742	2%	26,141	6%	218,953	49%	186,453	42%	447,548	100%
State Highways-Annual Vehicle Miles Traveled (1,000's)	10,060	2%	8,721	1%	6,431	1%	41,730	7%	153,115	25%	400,001	65%	620,059	100%

TABLE 4: 2020 GHG EMISSIONS FORECAST (metric tons of CO2 equivalents)	Yountville	% Change 2005-2020	Calistoga	% Change 2005-2020	St. Helena	% Change 2005-2020	American Canyon	% Change 2005-2020	City of Napa	% Change 2005-2020	Unincorp Napa Cnty	% Change 2005-2020	Total Napa County	% Change 2005- 2020
Residential Buildings	4,288	14%	8,022	3%	11,225	4%	27,393	38%	117,765	11%	51,232	6%	219,924	12%
Commercial & Industrial Buildings	15,019	7%	7,486	6%	18,139	4%	59,261	173%	85,279	20%	107,599	13%	292,783	29%
Transportation	9,293	25%	10,896	25%	10,580	25%	50,672	25%	277,777	25%	437,836	25%	797,054	25%
Lawn & Garden Equipment	90	14%	156	3%	185	4%	478	38%	2,343	11%	800	6%	4,053	12%
Construction & Industrial/Commercial Equipment	1,989	7%	2,066	6%	4,219	4%	4,539	173%	29,110	20%	17,915	13%	59,839	20%
Agriculture/Farming	38	0%	132	0%	769	0%	4	0%	286	0%	31,817	0%	33,046	0%
Solid Waste	1,207	9%	2,722	2%	4,424	2%	10,046	35%	32,011	9%	9,790	6%	60,201	11%
TOTAL 2020 GHG EMISSIONS PER JURISDICTION	31,924	13%	31,480	11%	49,541	8%	152,393	67%	544,572	20%	656,989	19%	1,466,900	22%
% COUNTYWIDE GHG EMISSIONS	2%		2%		3%		10%		37%		45%		100%	

TABLE 5: 2020 AB32 TARGET REDUCTIONS (15% reduction from 2005 baseline)	2005 Baseline	2020 Forecast	2020 AB32 Target (1990 estimated)	CO2e Reduced	% CO2e Reduced
Yountville	28,305	31,924	24,059	7,865	25%
Calistoga	28,427	31,480	24,163	7,317	23%
St. Helena	46,052	49,541	39,144	10,397	21%
American Canyon	91,449	152,393	77,732	74,662	49%
City of Napa	455,062	544,572	386,803	157,769	29%
Unincorporated Napa County	550,986	656,989	468,338	188,651	29%
TOTAL NAPA COUNTY	1,200,281	1,466,900	1,020,239	446,661	30%