

DRAFT Napa Countywide Carbon Footprint Results

TABLE 1: 2005 NAPA COUNTY GHG EMISSIONS (metric tons of CO2 equivalents)														Total Napa County	% Napa County
	Yountville	% Town Total	Calistoga	% City Total	St. Helena	% City Total	American Canyon	% City Total	City of Napa	% City Total	Unincorp Napa Cnty	% Unincorp Total			
Residential Buildings	3,765	13%	7,758	27%	10,781	24%	19,819	22%	106,003	23%	48,224	9%		196,350	17%
Commercial/Industrial Buildings	14,032	50%	7,062	25%	17,458	39%	21,672	24%	71,120	16%	95,317	18%		226,661	19%
On-Road Vehicles (Transportation)	7,424	26%	8,704	31%	8,452	19%	40,479	44%	221,901	49%	349,764	67%		636,724	55%
Off-Road Garden (Lawn & Garden Equipment)	79	0%	151	1%	178	0%	346	0%	2,109	0%	753	0%		3,616	0%
Off-Road Industrial/Commercial (Construction & Ind/Commercial Equipment)	1,858	7%	1,949	7%	4,061	9%	1,660	2%	24,277	5%	15,870	3%		49,675	4%
Solid Waste	1,109	4%	2,671	9%	4,353	10%	7,469	8%	29,366	6%	9,241	2%		54,209	5%
TOTAL 2005 GHG EMISSIONS PER JURISDICTION	28,267		28,295		45,283		91,445		454,776		519,169			1,167,235	
% COUNTYWIDE GHG EMISSIONS	2%		2%		4%		8%		39%		44%			100%	

TABLE 2: 2005 GHG EMISSIONS PER CAPITA/HOUSEHOLDS/JOBS (metric tons of CO2 equivalents)														Total Napa County	% Napa County
	Yountville	% Napa County	Calistoga	% Napa County	St. Helena	% Napa County	American Canyon	% Napa County	City of Napa	% Napa County	Unincorp Napa Cnty	% 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%	35,260	51%	23,050	33%		68,950	100%
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)														Total Napa County	% Napa County
	Yountville	% Napa County	Calistoga	% Napa County	St. Helena	% Napa County	American Canyon	% Napa County	City of Napa	% Napa County	Unincorp Napa Cnty	% 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)														Total Napa County	% Change 2005-2020
	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			
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%
On-Road Vehicles (Transportation)	9,293	25%	10,896	25%	10,580	25%	50,672	25%	277,777	25%	437,836	25%		797,054	25%
Off-Road Garden (Lawn & Garden Equipment)	90	14%	156	3%	185	4%	478	38%	2,343	11%	800	6%		4,053	12%
Off-Road Industrial/Commercial (Construction & Ind/Commercial Equipment)	1,989	7%	2,066	6%	4,219	4%	4,539	173%	29,110	20%	17,915	13%		59,839	20%
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	31,886	13%	31,348	11%	48,772	8%	152,389	67%	544,286	20%	625,172	20%		1,433,854	23%
% COUNTYWIDE GHG EMISSIONS	2%		2%		3%		11%		38%		44%			100%	

TABLE 5: 2020 AB32 TARGET REDUCTIONS (15% reduction from 2005 baseline)					
	2005	2020	AB32 Target	CO2e Reduced	% CO2e Reduced
Yountville	28,267	31,886	24,027	7,859	25%
Calistoga	28,295	31,348	24,051	7,297	23%
St. Helena	45,283	48,772	38,491	10,282	21%
American Canyon	91,445	152,389	77,728	74,661	49%
City of Napa	454,776	544,286	386,560	157,726	29%
Unincorporated Napa County	519,169	625,172	441,294	183,879	29%
TOTAL NAPA COUNTY	1,167,235	1,433,854	992,150	441,704	31%

Work Plan and Timeline - v3

Task #	Task & Deliverable Description (major milestones <u>underlined</u>)	Task Lead	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09
Phase 1: Framework Development															
1.1	Project Initiation		█												
1.1.1	<u>Revise scope, schedule and budget</u>	MIG	█												
	Project preparation team mtgs	Project Team													
1.1.2	<u>Presentation to NCTPA Board</u>	MIG	█												
1.1.3	<u>Develop initial project materials</u>		█												
	Project initiation letter	MIG													
	Project initiation survey	CPC													
	Municipal inventory data worksheets	Tellus													
1.2	Project Assessment			█											
1.2.1	<u>Project meetings with key staff at each jurisdiction</u>			█											
	Project initiation mtgs	MIG													
	Project follow up mtgs, notes and phone calls	MIG													
1.2.2	<u>Establish ICLEI communications</u>			█											
	Review materials, tools, etc	Project Team													
	Establish ICLEI working relationship	CPC													
	Plan ICLEI inventory workshop	CPC													
1.2.3	<u>Develop draft roadmaps for each jurisdiction</u>			█											
	Complete project initiation surveys	City and County Staff													
	Establish staff relationships and contact roster	MIG													
	Initiate key stakeholder relationships	MIG-CPC													
	Produce revised work plan and timeline	MIG													
1.3	Identify actions and resources to address needs	MIG-CPC				█									
1.3.1	<u>Adapt project scope, schedule and budget</u>	MIG-CPC				█									
1.3.2	<u>Presentation to City Mgrs</u>	MIG-CPC													
Phase 2: Climate Action Plans															
2.1	GHG emissions inventory and analysis				█										
2.1.1	<u>Conduct municipal inventory and analysis</u>				█										
	Municipal inventory meetings and follow up	Tellus-MIG			N		C/Y/A								
	Complete municipal inventory data worksheets	City Staff				N		C/Y					Y & A data (Dec-Jan)		
	Initial inventory analysis, scenarios and reporting	Tellus					N	C/Y		A					
	Staff discussions of results and possible actions	Tellus-MIG						N		C/Y/A					
	Determine whether additional analysis desired (additional budget)	City Managers						N		C/Y/A					
	Finalize draft reports	Tellus-MIG								C/Y/A					
	Present & discuss summary results at City Manager mtg	Tellus-MIG													
2.1.2	<u>Conduct community-scale inventory and analysis</u>														
	Community-scale inventory prep and workshop coordination	MIG - Danielle													
	Collect data	ICLEI-BAAQMD-Staff													
	Workshop--perform community-scale inventories	ICLEI-BAAQMD-Staff													
	Create summary community-scale assessment reports	ICLEI-BAAQMD-Staff													
2.2	Adopt emissions reduction target														
2.2.1	<u>Provide target setting guidelines and best practices</u>	ICLEI-CPC													
2.2.2	<u>Identify major strategies/actions to reach targets</u>														
	Strategy meetings with staff	CPC-MIG													
	Review strategies with key stakeholders & electeds	MIG-CPC-Staff													
2.2.3	<u>Establish targets for each jurisdiction (adopt AB32 targets)</u>	City & County Staff													
2.2.4	<u>Present targets and high level strategies to NCTPA Board</u>	MIG-CPC													
2.3	Develop local action plans														
2.3.1	<u>Finalize major action plan strategies for each jurisdiction</u>														
	Strategy follow up meetings with staff	MIG-CPC-Staff													
	Review and discuss with key stakeholders and electeds	MIG-CPC-Staff													
2.3.2	<u>Produce preliminary draft local action plans</u>														
	Recommend & customize plan templates	CPC-BAAQMD-ICLEI													
	Identify specific actions with staff	MIG-CPC-Staff													
	Develop monitoring and implementation strategies	MIG-CPC-Staff													
	<u>Produce preliminary draft local action plans</u>	MIG-CPC-Staff													
	Discuss preliminary drafts with key stakeholders & electeds	MIG-CPC-Staff													
	Review and revise preliminary drafts with staff	MIG-CPC-Staff													
2.3.3	<u>Summary presentation of drafts & next steps at NCTPA Board mtg</u>	MIG-CPC-Staff													