

Project Greenhouse Gas Emissions and Reductions Summary - New Wineries

The Napa County Climate Action Plan requires that staff calculate for all projects the GHG emissions in 2020 of all discretionary projects assuming "business as usual" (BAU) conditions, and that applicants reduce those emissions by 38%. The required 38% reduction in GHG emissions can be achieved through a combination of state level policies and programs, County level policies and programs, on-site project level actions and contributions to the Napa County GHG reduction fund. This sheet contains results of calculations completed to demonstrate that the project has achieved the required 38% reduction target in 2020.

Project Name:	Rombauer	Target Build-Out Year:	2013
Project Address:			
Applicant Name:			
Contact Information:			

(MT CO₂e)

A. PROJECT'S BAU EMISSIONS IN 2020

Energy Use, Mobile, Area, Water and Wastewater, Solid Waste
 Fugitive Emissions from Winery Wastewater if applicable
 Land Use Change (one time loss in carbon stock + loss in sequestration)

262
164
3
95

B. PROJECT'S TARGET EMISSIONS IN 2020

62% of BAU Emissions (BAU - 38%)

162

C. PROJECT'S TARGET EMISSIONS REDUCTIONS IN 2020

BAU Emissions - Target Emissions (A-B)

99

D. GHG REDUCTIONS FROM STATE LEVEL PROGRAMS

Energy
 Mobile
 Other
 Land Use Change

3
3
-

E. GHG REDUCTIONS FROM LOCAL PROGRAMS AND PROJECT LEVEL ACTIONS

Energy
 Mobile
 Other
 Land Use Change

88
56
12
20

G. TOTAL GHG REDUCTIONS IDENTIFIED

State + Local + Project (D + E); Compare to Box C above

91

H. PURCHASED IN THE NAPA GHG REDUCTION BANK

Balance of reductions needed to reach target (C-G)

8



Data Requisition of Operational Characteristics for Commercial, Residential, or Industrial Projects

The Napa County Climate Action Plan requires that staff calculate the GHG emissions of all discretionary projects assuming "business as usual" (BAU), and that applicants reduce those emissions by 38%. This checklist identifies the data needed to complete the required calculations and allows applicants to select the emissions reduction measures they wish to use. Applicants may retain consultants to prepare their own calculations if desired. Default calculations will be based on the URBEMIS and Bay Area Air Quality Management District's BGM model, as well as standard factors for vegetation removal and retention/replacement.

Contact Information:

Name of project:	Rombauer Vineyards
Project address & APN:	3522 Silverado Trail; 021-410-025/021-410-022/021-410-021
Project contact name:	Charles W. Meibeyer
Project contact e/mail:	meibeyerlaw@aol.com
Project contact phone:	707.963.7703

Part A: Business As Usual (BAU)

1. New construction or operations (or change in land use type)

Land Use Type	square feet	# of units	Total Daily Trips	# of employees
Dwelling unit	N/A	0		
Warehouse	<2500>	1		
Light Industrial (winery production)	N/A			
High quality restaurant (tasting room)	2500	1	16	8
Retail (included in tasting room)	N/A			
Office	8740		14	7
Other (please explain) seasonal deck	700		2	1
tasting area outside tasting room <i>Total</i>	9440	2	32	16

Refer to Table 3-1 of the BAAQMD CEQA Guidelines (2011) for other precursor screening levels

2. Site Development

Removal (One Time Emissions)	Acres removed	Acres planted
Vegetation type		
Coniferous Forest	0	0
Oak Woodland	.04ac	.02ac
Riparian Woodland	0	0
Shrub	0	0
Vineyard	0	0
<i>Total acres of land</i>	.04ac	.02ac
Site Improvements	Amount	Unit
Grading	13,620	Square feet
Roads	15,560	Square feet
Parking	26,000	Square feet
Hardscape (anything paved)	1,620	Square feet
Landscape	2,620	Square feet
<i>Total square footage of site improvements</i>	59,420	
Size of wastewater lagoons	0	Square feet
Amount of groundwater	200	Gallons per day



Part B: Emission Reduction Measures

		amount	unit	yes	no
1	Are you a Napa Certified Winery?			X	
2	Does the facility have alternative fuel vehicles in fleet?			X	
3	If yes, what percentage of fleet?		47 %		
4	Has the facility installed renewable energy on-site since 2005, or does it intend to?			X	
5	If yes, how much?		KW hrs. 190.82 kw		
6	Do you intend to build to Cal Green* Tier 2 standards?				X
7	Do you intend to build to Cal Green Tier 3 standards?				X
8	Do you have areas such as a cave, or natural cooling, passive solar that will exceed 2005 Title 24 standards? Explain:			X	
9	If so, how many square feet?		Sq. Ft. 26,340		
10	What is the percent reduction of 2005 Title 24 standards for that portion?		0 %		
11	If the project is a winery, does it propose any efficient equipment, such as gravity flow pumping?				X
12	If so, ho many annual kilowat hours saved?		KW hrs.		X
13	Do you intend to recycle more than what the local landfill provides, if so what percentage of reduction? explain: <u>glass/plastic/cardboard</u>		50 %	X	
14	Does the project intend to restore degraded habitat?		no significant change		
15	If so, how many acres?		acres		
16	Does the landscape plan include the planting of more than 6 shade trees within 40 feet of the southside or 60 feet of the westside?		N/A		X
	If so, how many trees?		trees		
17	Will the project replace more than a 2:1 ratio of trees on site, and if so how many additional?		N/A		X
	What specie?				
17	Does the project connect to a municipal water source?				X
18	Will the project rely on an onsite well?		existing	X	
19	How many gallons of water per day is dedicated to domestic water use?		g/day 1500		
20	How many gallons of water per day is dedicated to landscape?		g/day 334		
21	Will the project connect to municipal sanitary sewer system?				X
22	Will the project have an on-site septic system?		existing	X	



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23	If so, how big are the lagoons?	N/A	sq. ft.		
24	Will the project have it's own treatment system? If so, explain: <u>existing septic</u>		N/A		
25	Does your project have bicycle access and parking?			X	
26	Does the employer have a employee transportationd demand management plan with feasible commute incentives? If yes please provide example.				X
27	Does the employer sponsor a van/pool shuttle for visitors? If yes, what percentage of visitation will use it?		%		X
28	Is the project requesting a parking reduction, if yes what percentage?		%		X
30	Does the parking lot provide a charging station for electrical vehicles?				X
29	Other, Please explain: _____				