

Project Greenhouse Gas Emissions and Reductions Summary

The Napa County Climate Action Plan requires that staff calculate the GHG emissions of all discretionary projects in the year 2020 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 a GHG reduction incentive fund. This sheet contains results of calculations completed to demonstrate that the project has achieved the required 38% reduction target in 2020.

Project Name:	H&L	Target Build-Out Year:	2020
Project Summary	New 30,000 g/yr winery; construction of 5,000 sq. ft.; 14 parking spaces; 4 employees; T&T 20 ppl/day; * energy conservation measures: 15% above T24 & 35 Kilowatt solar system; one electrical charging vehicle station.		

(MT CO₂e)

A. PROJECT'S BAU EMISSIONS IN 2020

Energy
Mobile
Water & Wastewater
Solid Waste
Land use Change

102
32
40
9
12
8

B. PROJECT'S TARGET EMISSIONS REDUCTIONS IN 2020

Target Emissions - 38% BAU Emissions

39

C. GHG REDUCTIONS FROM STATE LEVEL PROGRAMS

Energy
Mobile
Other
Land Use Change

8
-
8
TBD
-

D. GHG REDUCTIONS FROM LOCAL PROGRAMS AND PROJECT LEVEL ACTIONS

Energy
Mobile
Other

Total Stock at 100 years (Reference):

0.00

Land Use Change

34
30
1
3
-

E. TOTAL GHG REDUCTIONS IDENTIFIED

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

42

F. ADDITIONAL GHG REDUCTION OR MITIGATION REQUIRED

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

(3)

Data request for analysis of operational characteristics for Residential, Commercial, 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 thresholds derived from California Air Pollution Control Officers Association (CAPCOA) and Bay Area Air Quality Management District's CalEEMod model, as well as standard factors for vegetation removal and retention/replacement.

Contact Information:

Name of project:	H&L Winery
Project address & APN:	1216 Oak Knoll Ave (036-150-094)
Project contact name:	Rob Anglin
Project contact e/mail:	anglin@htraw.com
Project contact phone:	927-4274

Part A: Business As Usual (BAU)

1. Input for new construction or operations (or change in land use type)

Land Use Type	# of units	Square Footage removed	Square Footage Added	Total Daily Vehicle Trips		Population	
				Mon-Fri	Sat & Sun	# of visitors	# of employees
Dwelling unit							
Warehouse							
Light Industrial (winery production)			3442	6.1	6.1		2
High quality restaurant (tasting room)			862	17.6	20.9	15/26	2
Retail							
Office			189				
Other (please explain)			504				
Total							

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

2. Site Development

	Acres removed	Acres planted
Vegetation type		
Coniferous Forest		
Oak Woodland		
Riparian Woodland		
Shrub		
Vineyard	2.2	
Other (please explain) Landscaping		.37
Already Developed area (i.e. asphalt)		
Total acres of land	2.2	

9,955

New Site Improvements	Amount	Unit
Caves		Square feet
Grading		Square feet
Roads	3775	Square feet
Parking	3430	Square feet
Hardscape (anything paved)	2750	Square feet
Landscape	16225	Square feet
Total square footage of site improvements		
Size of new or expanded wastewater lagoons		Square feet
Amount of new or increased use of groundwater	261,000	Gallons per year

Part B: Emission Reduction Measures

		amount	unit	yes	no
Operations					
1	If the project is a winery is your existing winery a Napa Certified Green Winery?				X
2	If you are a new winery, have you applied to be a Napa Certified Green Winery?				X
3	Do you intend to recycle more than what the local landfill provides, if so what percentage of reduction. explain:		%		
Mobile Vehicle Trips					
4	Does the facility have alternative fuel vehicles in fleet,				X
	If yes, what percentage of fleet?		%		
5	Does your project have bicycle access and parking?				X
6	Does the employer have a employee transportation		%		X
7	Does the employer sponsor a van/pool shuttle for		%		X
8	Is the project requesting a parking reduction, if yes		%		X
1	Does the parking lot provide a charging station for				X
Energy Use and Generation					
2	Has the facility already installed renewable energy on-site since 2005?				X
	If yes, how much?		KW hrs.		
3	Does the proposal include installation of renewable				X
	If yes, how much?				
Building and Construction					
4	Do you intend to build to Cal Green* Tier 2 standards?				X
5	Do you intend to build to Cal Green* Tier 3 standards?				X
6	Do you have areas such as a cave, or natural cooling, passive solar that will exceed 2005 Title 24 standards?				X
	If so, how many square feet?		Sq. Ft.		

	What is the percent reduction of 2005 Title 24 standards for that portion?		%		
7	If the project is a winery, does it propose any energy				
	If so, ho many annual kilowat hours saved?		KW hrs.		
Site Development					
8	Does the project intend to restore degraded habitat?				X
	If so, how many acres?		acres		
9	Does the landscape plan include the planting of more than 6 shade trees within 40 feet of the southside or			X	
	If so, how many trees?		trees		
10	Will the project replace more than a 2:1 ratio of trees on site, and if so how many additional?	63	trees	X	
	What specie?				
Water & Wastewater					
11	Does the project connect to a munipical water source?				X
12	Will the project rely on an onsite well?			X	
13	How many gallons of water per day is dedicated to	143	g/day		
14	How many gallons of water per day is dedicated to landscape?	647	g/day		
15	Will the project connect to municipal sanitary sewer system?				X
16	Will the project connect to municipal reclaimed water?				X
16	Will the project have an on-site septic system?			X	
17	If so, how big are the proposed lagoons?	—	sq. ft.		
18	Will the project have it's own treatment system? If so, explain:			X	
	Other, Please explain: _____ _____ _____ _____				