Checklist of Voluntary Greenhouse Gas Emission Reduction Measures

An addendum to the Entitlement Application and a supplement for Initial Studies as required by CEQA

A Tradition of Stewardship
A Commitment to Service

PROJECT NAME	Mansfield winery
PROJECT ADDRESS	Conn Valley Road, Saint Helena
APPLICANT	Richard Mansfield
CONTACT INFO	richard@mansfieldwinery.com
email	phone 707-963-1987

	yes	no	I don't know
1 Have you designed to U.S.G.B.C.™ LEED™ or Build It Green™ standards? If yes, please include a copy of their required spreadsheets.			X
2 Do you have an integrated design team? If yes, please list: Mike Mudrath, Julie Inman, Tom Andrews	X		
3 SITE DESIGN			
3.1 Does your design encourage community gathering and is it pedestrian friendly?			X
3.2 Are you building on existing disturbed areas?	X		
3.3 Landscape Design			
3.31 native plants?	X		
3.32 drought tolerant plants?	X		
3.33 Pierce Disease resistant planting?	X		
3.34 Fire resistant planting?	X		
3.35 Are you restoring open space and/or habitat?	X		
3.36 Are you harvesting rain water on site?	X		
3.37 planting large trees to act as carbon sinks?	X		
3.38 using permeable paving materials for drive access and walking surfaces?			X
3.4 Does your parking lot include bicycle parking?	X		
3.5 Do you have on-site waste water disposal?			X
3.6 Do have post-construction stormwater on site detention/filtration methods designed?			
3.7 Have you designed in harmony with existing natural features, such as preserving existing trees or rock outcroppings?	X		
3.8 Does the project minimize the amount of site disturbance, such as minimizing grading and/or using the existing topography in the overall site design (such as cave design)?	X		
3.9 Is the structure designed to take advantage of natural cooling and passive solar aspects?	X		
4 ENERGY PRODUCTION & EFFICIENCY			
4.1 Does your facility use energy produced on site? If yes, please explain the size, location, and percentage of off-set: solar-electric, possible solar-thermal, ground-loop cooling - still in design	X		
4.2 Does the design include thermal mass within the walls and/or floors?	X		
4.3 Do you intend to commission the performance of the building after it is built to ensure it performs as designed?			X
4.4 Will your plans for construction include:			
4.41 High density insulation above Title 24 standards?	X		
4.42 Zones for heating and cooling to provide for maximum efficiency?	X		
4.43 Energy Star™ or ultra energy efficient appliances?	X		
4.44 A "cool" (lightly colored or reflective) or a permeable/living roof?			X
4.45 Timers/time-outs installed on lights (such as the bathrooms)?	X		
If yes, please explain: still in design phase			
5 WATER CONSERVATION			
5.1 Does your landscape include high-efficiency irrigation?	X		
5.2 Does your landscape use zero potable water irrigation?			X
5.3 Is your project in the vicinity to connect to the Napa Sanitation reclaimed water?		X	
5.4 Will your facility use recycled water?	X		X
5.41 If no, will you prepare for it by pre-installing dual pipes and/or purple lines?			
5.5 Will your plans for construction include:			
5.51 a meter to track your water usage?	X		
5.52 ultra water efficient fixtures and appliances?	X		
5.53 a continuous hot water distribution method, such as an on-demand pump?			
5.54 a timer to insure that the systems are run only at night/early morning?	X		
	X		

	yes	no	I don't know
6 MATERIAL RECYCLING			
6.1 Are you using reclaimed materials?	X		
If yes, what and where: still in design phase			
6.2 Are you using recycled construction materials-			
6.21 finish materials? -existing stone	X		X
6.22 aggregate/concrete road surfaces?			X
6.23 fly ash/slag in foundation?			
6.3 Will your contractor be required to recycle and reuse construction materials as part of your contract?			X
6.4 Does your facility provide access to recycle-			
6.41 Kitchen recycling center?	X		
6.42 Recycling options at all trash cans?	X		
6.43 Do you compost green waste?	X		
6.44 Provide recycling options at special events?	X		
7 NATURAL RESOURCES			
7.1 Will you be using certified wood that is sustainably harvested in construction?			X
7.2 Will you be using regional (within 500 miles) building materials?			X
7.3 Will you be using rapidly renewable materials, such as bamboo?			X
7.4 Will you apply optimal value engineering (studs & rafters at 24" on center framing)?			X
7.5 Have you considered the life-cycle of the materials you chose?	X		
8 INDOOR AIR QUALITY			
8.1 Will you be using low or no emitting finish and construction materials indoors-			
8.11 Paint?	X		
8.12 Adhesives and Sealants?			X
8.13 Flooring?			X
8.14 Framing systems?			X
8.15 Insulation?			X
8.2 Does the design allow for maximum ventilation?			X
8.3 Do you plan for a wood burning fireplace (US EPA Phase II certified)?		X	
8.4 Does your design include daylighting, such as skylights?			X
9 TRANSPORTATION DEMAND MANAGMENTMENT			
9.1 After your project is complete, will you offer your employees incentives to carpool, bike, or use transit?			X
9.2 After your project is complete, will you allow your employees to telecommute or have alternative work schedules?	X		
9.3 Does your project include design features that encourage alternatives modes of transportation, such as			
preferred parking for carpooling, ridesharing, electric vehicles?	X		
secured bicycle parking, safe bicycle access?	X		
loading zones for buses/large taxi services?	X		

9.4 How close is your facility to public transportation? 4 miles

10 Are there any superior environmental/sustainable features of your project that should be noted?
re-conditioning existing historic structure.

11 What other studies or reports have you done as part of preparing this application?
1 possible rainwater recycling
2
3
4

12 If your project involves an addition or modification to an existing building, are you planning to improve energy conservation of existing space (such as insulation, new windows, HVAC, etc.)?	X		
If yes, please describe: still in design stage			
13 Once your facility is in operation, will you:			
13.1 calculate your greenhouse gas emissions?			X
13.2 implement a GHG reduction plan?			X
13.3 have a written plan to reduce your vehicle miles traveled of your operations and employee's commute?			X
14 Does your project provide for education of green/sustainable practices?	X		
If yes, please describe: part of facility tour			

15 Any comments, suggestions, or questions in regards to the County's efforts to reduce greenhouse gases?
It is our goal to use best available practices to economically reduce our GHG emissions as green design as economically possible and to support the county in their efforts to reduce GHG.

Form filed out by: Richard Manstrom

Please feel free to include additional sheets of paper as necessary.