Checklist of Voluntary
Greenhouse Gas Emission Reduction Measures

A Tradition of Stewardship
A Commitment to Service

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

PROJECT NAME	Shutters Winery
PROJECT ADDRESS	N/A
APPLICANT	Timothy McDonald
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	email phone

		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:		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/filration methods designed?	X		
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:		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: Install timed off switches with motion sensors			
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		
5.41	If no, will you prepare for it by pre-installing dual pipes and/or purple lines?	X		
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?	X		
5.54	a timer to insure that the systems are run only at night/early morning?	X		

		yes	no	I don't know
6	**MATERIAL RECYCLING**			
6.1	Are you using reclaimed materials?			X
	If yes, what and where: 80% recycled content in steel			
6.2	Are you using recycled construction materials-			
6.21	finish materials?	X		
6.22	aggregate/concrete road surfaces?	X		
6.23	fly ash/slag in foundation?			X
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 dayling, 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?
don't know

10 Are there any superior environmental/sustainable features of your project that should be noted?
Most of the Facility will be a naturally cooled cave

11 What other studies or reports have you done as part of preparing this application?
1
2
3 n/a
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.)? | | | |
If yes, please describe: n/a

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:

15 Any comments, suggestions, or questions in regards to the County's efforts to reduce greenhouse gases?

Form filed out by: Timothy McDonald

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