

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	MARCIANO WINERY		
PROJECT ADDRESS	2233 SULPHUR SPRINGS AVE, ST. HELENA		
APPLICANT	JOHN TAFI		
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	<small>email</small>	<small>phone</small>	

- 1 Have you designed to U.S.G.B.C.™ LEED™ or Build It Green™ standards? yes no I don't know
If yes, please include a copy of their required spreadsheets.
- 2 Do you have an integrated design team?
if yes, please list: WE COORDINATE WITH P&E FOR THE "SAVIAXS BY DESIGN" PROGRAM

3 SITE DESIGN

- 3.1 Does your design encourage community gathering and is it pedestrian friendly?
- 3.2 Are you building on existing disturbed areas?
- 3.3 Landscape Design
- | | | | | |
|------|---|-------------------------------------|-------------------------------------|--------------------------|
| 3.31 | native plants? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.32 | drought tolerant plants? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.33 | Pierce Disease resistant planting? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.34 | Fire resistant planting? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.35 | Are you restoring open space and/or habitat? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.36 | Are you harvesting rain water on site? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.37 | planting large trees to act as carbon sinks? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.38 | using permeable paving materials for drive access and walking surfaces? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- 3.4 Does your parking lot include bicycle parking?
- 3.5 Do you have on-site waste water disposal?
- 3.6 Do you 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?
- 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)?
- 3.9 Is the structure designed to take advantage of natural cooling and passive solar aspects?

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: A PHOTOVOLTAIC SYSTEM IS INTENDED & PERHAPS FUEL CELL TECHNOLOG.
- 4.2 Does the design include thermal mass within the walls and/or floors?
- 4.3 Do you intend to commission the performance of the building after it is built to ensure it performs as designed?
- 4.4 Will your plans for construction include:
- | | | | | |
|------|--|-------------------------------------|--------------------------|--------------------------|
| 4.41 | High density Insulation above Title 24 standards? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.42 | Zones for heating and cooling to provide for maximum efficiency? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.43 | Energy Star™ or ultra energy efficient appliances? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.44 | A "cool" (lightly colored or reflective) or a permeable/living roof? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.45 | Timers/time-outs installed on lights (such as the bathrooms)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- If yes, please explain: MOTION SENSORS

5 WATER CONSERVATION

- 5.1 Does your landscape include high-efficiency irrigation?
- 5.2 Does your landscape use zero potable water irrigation?
- 5.3 Is your project in the vicinity to connect to the Napa Sanitation reclaimed water?
- 5.4 Will your facility use recycled water?
- 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5.52 | ultra water efficient fixtures and appliances? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5.53 | a continuous hot water distribution method, such as an on-demand pump? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- 5.54 a timer to insure that the systems are run only at night/early morning?

6 MATERIAL RECYCLING

6.1	Are you using reclaimed materials? If yes, what and where: _____		X	
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?			
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 dayliting, such as skylights?	X		

9 TRANSPORTATION DEMAND MANAGEMENT

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? secured bicycle parking, safe bicycle access? loading zones for buses/large taxi services?		X	
9.4	How close is your facility to public transportation?		X	

10 Are there any superior environmental/sustainable features of your project that should be noted?
THE WINEY REFRIGERATION & COOLING SYSTEMS WILL BE DESIGNED FOR MAX PUMP EFFICIENCY, OFF PEAK DEMAND LOADS, & NIGHT AIR COOLING

11 What other studies or reports have you done as part of preparing this application?
1 _____
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.)?
If yes, please describe: _____

13 Once your facility is in operation, will you:
13.1 calculate your greenhouse gas emissions?
13.2 Implement a GHG reduction plan?
13.3 have a written plan to reduce your vehicle miles traveled of your operations and employee's commute?

	X		
	X		
	X		

14 Does your project provide for education of green/sustainable practices?
If yes, please describe: _____

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

Form filed out by: JOHN TAFT