Checklist of Voluntary Greenhouse Gas Emission Reduction Measures

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

PROJECT NAME	Ceja Family Winery	
PROJECT ADDRESS	1016 Las Amigas Rd., Napa	
APPLICANT	Amelia Moran Ceja	
CONTACT INFO	Amelia@cejavineyards.com (email)	(707) 255-3954 (phone)

		yes	no	I don't know
1	Have you designed to U.S.G.B.C.™LEED™ or Built 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: Valley Architects, Bartelt Engineering, Roche & Roche Landscape Architects	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	Doe you have on-site waste water disposal?	X		
3.6	Doe you have post-construction stormwater on site detention/filtration 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 you 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)? If yes, please explain:	X		
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:			
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 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 alternative 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?			
2+ Miles			

10 Are there any superior environmental/sustainable features of your project that should be noted?

11 What other studies or reports have you done as part of preparing this application?
1. Phase One Water Report
2. Wastewater Feasibility Reports
3. Stormwater Runoff Management Plan
4. Archaeology and Biology Assessments

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?
More details will be included during the design construction plans for the winery.

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

Form filled out by: Ceja Winery Design Team*
*Donna Oldford, Plans4Wine
*Valley Architects
*Paul Bartelt Engineering
*Roche & Roche Landscape Architects

ON CEJA FAMILY WINERY PLANT LIST

Fire-Wise Plants for Napa County

Although there are no fireproof plants, the following is a list of plants which have a higher fire resistance than many now in the landscape. These species are recommended for landscaping in high-risk fire areas. Landscape maintenance is far more important to fire prevention than selection of plant materials, but you can get a leg up by avoiding pyrophytic plants – which are not on this list. When planning your landscape, consider the characteristics of the site such as slope, aspect, shade, and precipitation rate and amount that your site receives in making final plant selections. When in doubt, ask your local nursery for recommendations.

TREES

Valued natives	Common name
Acer macrophyllum	Big Leaf Maple
Aesculus California	California Buckeye
Alnus rhombifolia	White Alder
Cornus nuttalli	Pacific Dogwood
Juglans hindsi	Black Walnut
Platanus racemosa	California Sycamore
Prunus spp.	Stone Fruits
Quercus spp.	Oaks
Sequoia sempervirens	Coast Redwood

Ornamental Garden Trees	Common name
Acer spp.	Maple
Arbutus unedo	Strawberry Bush
Catalpa spp.	Catalpa
Cercis occidentalis	Western Redbud
Cercocarpus betuloides	Mountain Mahogany
Cinnamomum camphora	Camphor
Citrus spp.	Citrus
Fagus spp.	Beech
Feijoa sellowiana	Pineapple Guava
Fraxinus spp.	Ash
Ginkgo biloba	Maidenhair
Gleditsia triacanthos	Honey Locust
Koelreuteria bipinnata	Chinese Flame
Lagerstroemia indica	Crape Myrtle
Liquidambar spp.	Sweetgum
Liriodendron tulipifera	Tulip
Macadamia hybrids	Macadamia
Magnolia spp.	Magnolia
Metasequoia glyptostroboides	Dawn Redwood
Metrosideros excelsus	New Zealand Xmas
Myoporum spp.	Myoporum
Olea europa	Olive
Pistacia spp.	Chinese Pistache
Pittosporum spp.	Pittosporum
Populus spp.	Poplar
Rhus spp.	Sumac
Robinia pseudoacacia	Black Locust
Schinus spp.	Pepper Tree
Ulmus spp.	Elm

SHRUBS

Native Wildland Plants	Common name
Brugmansia spp.	Datura
Buddleia spp.	Butterfly Bush
Carpenteria californica	Bush Anemone
Convolvulus eneorum	Bush Morning Glory
Cotoneaster spp.	Cotoneaster
Dendromecon rigida	Bush Poppy

Domestic Garden Shrubs	Common name
Escallonia spp.	Escallonia
Garrya spp.	Silk Tassel
Heteromeles arbutifolia Toyon	Christmas Berry
Lavatera spp.	Mallow
Ligustrum spp.	Privet
Mahonia spp.	Mahonia
Nerium oleander	Oleander
Nolina spp.	Grass Tree
Osteospermum fruiticosum	Trailing African Daisy
Punica granatum	Pomegranate
Pyracantha spp.	Firethorn
Rhamnus alaterus	Italian Buckthorn
Rhamnus spp.	Buckthorn/Coffeeberry
Rhaphiolepis spp.	Hawthorn
Rhododendron (Azalea spp.)	Rhododendrons & Azaleas
Ribes spp.	Currant
Simmondsia chinensis	Jojoba
Solanum umbellifeum	Nightshade or Potato Vine
Thymus serpyllum	Creeping Thyme
Trachelospermum spp.	Star Jasmine
Vinca spp.	Periwinkle
Yucca spp.	Yucca

PERENNIALS

Perennial	common name
Achillea spp.	Yarrow
Agapanthus spp.	Lily of the Nile
Bergenia spp.	Bergenia
Centaurea cineraria	Dusty Miller
Centranthus rubber	Red Valerian
Coreopsis spp.	Coreopsis
Dietes spp.	African Iris/Fortnight Lily
Erigeron spp.	Mexican Daisy/Fleabane
Geranium spp.	Geranium
Hemerocallis	hybrids Daylily
Hesperaloe	Red Yucca
Heuchera spp.	Coral Bells/Alum Root
Iris spp.	Iris
Kniphofia spp.	Red Hot Poker
Lantana spp.	Lantana
Lavandula spp.	Lavender
Mimulus spp.	Monkey Flower
Sisyrinchium spp.	Blue-Eyed Grasses
Stachys byzantine	Lamb's Ear
Strelitzia reginae	Bird of Paradise
Tulbaghia violacea	Society Garlic
Zantedeschia spp.	Calla
Zauschneria spp.	Fuchsia

GROUND COVERS

Succulents	common name
Delosperma spp.	Iceplant
Echeveria spp.	Hens & Chicks
Sedum spp.	Stonecrop/Donkey Tail
Non-Succulents	**common name**
Achillea spp.	Yarrow
Ajuga spp.	Carpet Bugle
Armeria maritime	Common Thrift
Coprosma spp.	Coprosma
Duchesnea indica	Mock Strawberry
Festuca spp.	Fescue
Liriope spp.	Lily Turf
Myoporum parvifolium	Parvifolium