

“E”

Use Permit Application Packet



A Tradition of Stewardship
A Commitment to Service

file No P18-00431

Napa County
Conservation, Development, and Planning Department
1195 Third Street, Suite 210, Napa, California, 94559 phone (707) 253-4417
web www.countyofnapa.org/cdp/ email cdp@countyofnapa.org

Use Permit Application

To be completed by Planning staff...

Application Type: _____

Date Submitted: _____ Resubmittal(s): _____ Date Complete: _____

Request: _____

*Application Fee Deposit: \$ _____ Receipt No. _____ Received by: _____ Date: _____

**Total Fees will be based on actual time and materials*

To be completed by applicant...

Project Name: Fontanella Family Winery

Assessor's Parcel No: 050-010-018 Existing Parcel Size: 26.4 ac.

Site Address/Location: 1721 Partrick Road. Napa CA 94558
No. Street City State Zip

Primary Contact: Owner Applicant Representative (attorney, engineer, consulting planner, etc.)

Property Owner: The Jeffrey & Karen Fontanella Trust

Mailing Address: 1717 Partrick Road, Napa CA 94558
No. Street City State Zip

Telephone No (707) 252 - 1017 E-Mail: karen@fontanellawines.com

Applicant (if other than property owner): Fontanella Wines, LLC

Mailing Address: 1717 Partrick Road Napa CA 94558
No. Street City State Zip

Telephone No (707) 252 - 1017 E-Mail: _____

Representative (if applicable): Beth Painter, Balanced Planning

Mailing Address: 10 Canopy Lane Napa CA 94558
No. Street City State Zip

Telephone No (707) 337 - 3385 E-Mail: beth@bnpapa.com

USE PERMIT MODIFICATION
Fontanella Family Winery
1717 Partrick Road, Napa
(Revised March 20, 2019)

OWNER/APPLICANT:

The Jeffrey & Karen Fontanella Trust/Fontanella Family Winery
1721 Partrick Road
Napa, CA 94588

APN: 050-010-018

ACREAGE: ±26.4 acres

GENERAL PLAN DESIGNATION:

Agricultural Watershed and Open Space
(AWOS)

ZONING DESIGNATION:

Agricultural Watershed (AW)

BACKGROUND

In 2005, Karen and Jeff Fontanella obtained winery Use Permit P06-0113-UP to establish a 30,000 gallon per year winery on their property located at 1721 Partrick Road in Napa, where they also live. The property consists of approximately 26.4 acres and contains the owners' residence (1717 Partick Road) and the winery (1721 Partick Road). In 2007 a minor modification was approved to the original use permit for changes to the size of the winery and outdoor work area (P07-00280-MOD). The Fontanella's have been producing wine since 2005 and since 2008 at this winery facility.

PROJECT DESCRIPTION:

This request proposes the following changes to the current permit:

1. Demolish the existing winery office building and construct a new office building.
2. Improve the entrance road to eliminate the need for a one way loop road
3. Amend the visitation and marketing plan
4. Increase employees from 3 full-time and 2 part-time to 6 full time
5. Revise parking area and add 6 parking spaces
6. Approval of on premise wine consumption pursuant to AB 2004.
7. Place wine tanks on crush pad as shown on Sheet a 1.1.

There will be no change to the approved level of wine production

Winery Building

The existing winery offices are located in a building that was originally a barn and converted to the winery use in 2008. Although it has served the winery well for the past 10 years, it is not as functional and well designed as needed and has always been located in a difficult spot for efficient winery operations. The existing building will be demolished and a new building will be constructed to serve the same uses. The new

structure will be located at the far end of the crush pad allowing for better flow of traffic coming in and out, parking and general winery operations. The new building will be a 2 story structure and will match the look, coloring and building materials of the existing winery production building.

Entrance Road

The original road design utilized a one-way loop road. This loop road brings winery traffic past the existing residence, which is not ideal. The new entrance road is designed to meet the current Road and Street standards, provide adequate turn area for all vehicles, including emergency vehicles and improves the parking available at the winery site. This will eliminate the need to loop traffic past the residence.

Work Area

The location of the outdoor winery work areas will not change. The existing crush pad is shown on Sheet A 1.1 This modification requests approval to permanently place wine tanks within the work area as shown on Sheet A 1.1. The tanks will be at the perimeter of the existing crush pad and are shielded from view by the existing and proposed winery buildings.

Fire Protection

Adequate water storage for fire protection is already in place and will serve the expanded area.

Parking

Visitor and employee parking approved with the 2006 use permit modification are located on the north side of the winery building. The modified plan provides a better parking plan for both visitors and employees (refer to Sheet C.2)

Winery Visitation and Marketing

The winery began with a modest visitation and marketing program in 2006. The Fontanella's have always been personally involved in providing winery tours and in sharing their family winery with guests. This will not change. The winery is allowed 9 marketing events per year for a maximum of 30 people. Although these larger events are beneficial, the proposed marketing plan reflects a desire to offer more of a "VIP" experience for much smaller groups. This model works very well at the winery as a small group of 6-8 persons is ideal. In general, this marketing activity would occur once a week or 50 times per year. A benefit of planning these small marketing events is that the winery can encourage use of one vehicle for these small groups and can plan a food pairing in advance if the small group desires that additional option (catered food only). The winery would reduce the larger 30 person events from 9 per year to 6 per year to allow more time for the small VIP groups.

The winery is allowed one "Wine Auction" event for 100 persons. This request includes not limiting this event to just a wine auction and increasing this to one event for 150 persons and one for 75 persons.

The tours and tasting “by appointment only” will continue with a modest increase from 4 persons per day to 14 persons per day.

The following table summarizes the existing and proposed marketing and tasting visitors.

Marketing Events	Existing	Guests	Proposed	Guests
			VIP Experience, max. 8 persons 50 times per year	400
9 events max 30 ppl		270	6 events max 30 ppl	180
Wine Auction 100 ppl		100	1 harvest event max. 150	150
			1 industry event max. 75	75
Mkt Visitors/Year		370		805

Tours and Tasting	Existing	Guests	Proposed	Guests
Maximum/day	4 persons/day	4	14 persons/day	14
Avg/week	10/week		98/week	
Tasting Visitors/Year		520		5096
Annual Visitation		890		5901

These levels of visitation are in a similar range to other wineries of similar size and in similar locations.

A site plan has been provided to show the area for on premise wine consumption pursuant to AB 2004.

Enclosures:

Civil Engineering Plan set, Applied Civil Engineering, Nov. 28, 2018

- C1 Overall Site Plan*
- C2 Conceptual Site Improvement Plan*
- C3 Driveway Profile*
- C4 Impervious Surface Exhibit*

Architectural Plan Set, James Jeffery, Nov. 28, 2018

- A 0.0 Vicinity Map, Drawing Index, Contact Information*
- A 1.0 Overall Site Plan*
- A 1.1 Enlarged Site Plan*
- A 2.1 Existing Winery Floor Plan (excluding offices to be demolished)*
- A 2.2 Proposed Winery Office Floor Plan*
- A 2.3 Proposed Winery Office Roof Plan*
- A 3.1 Existing Winery Elevations (excluding offices to be demolished)*
- A 3.2 Proposed Winery Office Elevations*

Water Availability Analysis, O’Connor Environmental, Inc, Nov. 28, 2018, Revised March 20, 2019

Wastewater Disposal Feasibility Study, Applied Civil Engineering, Nov. 28, 2013

Project Guidance for Stormwater Quality Compliance

Use Permit Information Sheet

Use

Narrative description of the proposed use (please attach additional sheets as necessary):

Please see attached narrative and plans.

What, if any, additional licenses or approvals will be required to allow the use?

District NA

Regional NA

State NA

Federal NA

Improvements

Narrative description of the proposed on-site and off-site improvements (please attach additional sheets as necessary):

No off-site improvements are proposed; on-site improvements include grading, paving and construction for improved access road and new building . Water system is already in place, which includes a private system with storage for fire and domestic water use; sewer system is an existing on-site septic disposal field. Stormwater collection system and implementation of BMP's are included with the proposed improvements.

Improvements, cont.

Total on-site parking spaces: 5 existing 11 proposed
Loading areas: 0 existing 0 proposed

Fire Resistivity (check one; if not checked, Fire Marshal will assume Type V – non rated):

Type I FR Type II 1 Hr Type II N (non-rated) Type III 1 Hr Type III N
 Type IV H.T. (Heavy Timber) Type V 1 Hr. Type V (non-rated)
(for reference, please see the latest version of the California Building Code)

Is the project located in an Urban/Wildland Interface area? Yes No

Total land area to be disturbed by project (include structures, roads, septic areas, landscaping, etc): _____ acres

Employment and Hours of Operation

Days of operation: 7 days existing same proposed
Hours of operation: 7 am- 5 pm existing same proposed
Anticipated number of employee shifts: 3 FT, 2 PT existing 6 FT proposed
Anticipated shift hours: 8 hrs in general existing same proposed

Maximum Number of on-site employees:

10 or fewer 11-24 25 or greater (specify number) _____

Alternately, you may identify a specific number of on-site employees:

other (specify number) 6 FT

Certification and Indemnification

Applicant certifies that all the information contained in this application, including all information required in the Checklist of Required Application Materials and any supplemental submitted information including, but not limited to, the information sheet, water supply/waste disposal information sheet, site plan, floor plan, building elevations, water supply/waste disposal system site plan and toxic materials list, is complete and accurate to the best of his/her knowledge. Applicant and property owner hereby authorize such investigations including access to County Assessor's Records as are deemed necessary by the County Planning Division for preparation of reports related to this application, *including the right of access to the property involved.*

Pursuant to Chapter 1.30 of the Napa County Code, as part of the application for a discretionary land use project approval for the project identified below, Applicant agrees to defend, indemnify, release and hold harmless Napa County, its agents, officers, attorneys, employees, departments, boards and commissions (hereafter collectively "County") from any claim, action or proceeding (hereafter collectively "proceeding") brought against County, the purpose of which is to attack, set aside, void or annul the discretionary project approval of the County, or an action relating to this project required by any such proceeding to be taken to comply with the California Environmental Quality Act by County, or both. This indemnification shall include, but not be limited to damages awarded against the County, if any, and cost of suit, attorneys' fees, and other liabilities and expenses incurred in connection with such proceeding that relate to this discretionary approval or an action related to this project taken to comply with CEQA whether incurred by the Applicant, the County, and/or the parties initiating or bringing such proceeding. Applicant further agrees to indemnify the County for all of County's costs, attorneys' fees, and damages, which the County incurs in enforcing this indemnification agreement.

Applicant further agrees, as a condition of project approval, to defend, indemnify and hold harmless the County for all costs incurred in additional investigation of or study of, or for supplementing, redrafting, revising, or amending any document (such as an EIR, negative declaration, specific plan, or general plan amendment) if made necessary by said proceeding and if the Applicant desires to pursue securing approvals which are conditioned on the approval of such documents.

In the event any such proceeding is brought, County shall promptly notify the Applicant of the proceeding, and County shall cooperate fully in the defense. If County fails to promptly notify the Applicant of the proceeding, or if County fails to cooperate fully in the defense, the Applicant shall not thereafter be responsible to defend, indemnify, or hold harmless the County. The County shall retain the right to participate in the defense of the proceeding if it bears its own attorneys' fees and costs, and defends the action in good faith. The Applicant shall not be required to pay or perform any settlement unless the settlement is approved by the Applicant.

<p><u>The Jeffrey & Karin Fontanella Trust</u> <small>Print Name of Property Owner</small></p> <p><u>[Signature]</u> <small>Signature of Property Owner</small></p> <p><u>11/30/18</u> <small>Date</small></p>	<p><u>Fontanella Wines, LLC</u> <small>Print Name Signature of Applicant (if different)</small></p> <p><u>[Signature]</u> <small>Signature of Applicant</small></p> <p><u>11/30/18</u> <small>Date</small></p>
<p><u>[Signature]</u> <u>11/30/18</u></p>	

Supplemental Application for Winery Uses

Operations

Please indicate whether the activity or uses below are already legally **EXISTING**, whether they exist and are proposed to be **EXPANDED** as part of this application, whether they are **NEWLY PROPOSED** as part of this application, or whether they are neither existing nor proposed (**NONE**).

Retail Wine Sales	<input checked="" type="checkbox"/> Existing	<input type="checkbox"/> Expanded	<input type="checkbox"/> Newly Proposed	<input type="checkbox"/> None
Tours and Tasting- Open to the Public	<input type="checkbox"/> Existing			
Tours and Tasting- By Appointment	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Expanded	<input type="checkbox"/> Newly Proposed	<input type="checkbox"/> None
Food at Tours and Tastings	<input checked="" type="checkbox"/> Existing	<input type="checkbox"/> Expanded	<input type="checkbox"/> Newly Proposed	<input type="checkbox"/> None
Marketing Events*	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Expanded	<input type="checkbox"/> Newly Proposed	<input type="checkbox"/> None
Food at Marketing Events	<input checked="" type="checkbox"/> Existing	<input type="checkbox"/> Expanded	<input type="checkbox"/> Newly Proposed	<input type="checkbox"/> None
Will food be prepared...		<input type="checkbox"/> On-Site?	<input checked="" type="checkbox"/> Catered?	
Public display of art or wine-related items	<input checked="" type="checkbox"/> Existing	<input type="checkbox"/> Expanded	<input type="checkbox"/> Newly Proposed	<input type="checkbox"/> None

* For reference please see definition of "Marketing," at Napa County Code §18.08.370 - <http://library.municode.com/index.aspx?clientId=16513>

Production Capacity *

Please identify the winery's...

Existing production capacity: 30,000 gal/y Per permit No: P06-0113/P07-00280 Permit date: 07/2006

Current maximum actual production: 23,528 gal/y For what year? 2017

Proposed production capacity: 30,000 gal/y

* For this section, please see "Winery Production Process," at page 11.

Visitation and Hours of Operation

Please identify the winery's...

Maximum daily tours and tastings visitation:	<u>4/day</u> existing	<u>14/day</u> proposed
Average daily tours and tastings visitation ¹ :	<u>4/day</u> existing	<u>14/day</u> proposed
Visitation hours (e.g. M-Sa, 10am-4pm):	<u>M-Su 10-4</u> existing	<u>same</u> proposed
Non-harvest Production hours ² :	<u>M-F 7 am-5 pm</u> existing	<u>same</u> proposed

¹ Average daily visitation is requested primarily for purposes of environmental review and will not, as a general rule, provide a basis for any condition of approval limiting allowed winery visitation.

² It is assumed that wineries will operate up to 24 hours per day during crush.

Grape Origin

All new wineries and any existing (pre-WDO) winery expanding beyond its winery development area must comply with the 75% rule and complete the attached "Initial Statement of Grape Source". See Napa County Code §18.104.250 (B) & (C).

Marketing Program

Please describe the winery's proposed marketing program. Include event type, maximum attendance, food service details, etc. Differentiate between existing and proposed activities. (Attach additional sheets as necessary.)

See description of Marketing Program in narrative

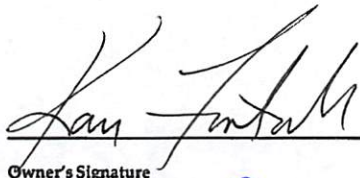
Food Service

Please describe the nature of any proposed food service including type of food, frequency of service, whether prepared on site or not, kitchen equipment, eating facilities, etc. Please differentiate between existing and proposed food service. (Attach additional sheets as necessary.)

There is no onsite commercial kitchen either existing or proposed. Food will be from a catering company if provided during marketing events.

Initial Statement of Grape Source

Pursuant to Napa County Zoning Ordinance Sections 12419(b) and (c),
I hereby certify that the current application for establishment or expansion of a winery
pursuant to the Napa County Winery Definition Ordinance will employ sources of
grapes in accordance with the requirements of Section 12419(b) and/or (c) of that
Ordinance.



Owner's Signature

11/30/18

Date



11/30/18

Letters of commitment from grape suppliers and supporting documents may be required prior to issuance of any building permits for the project. Recertification of compliance will be required on a periodic basis. Recertification after initiation of the requested wine production may require the submittal of additional information regarding individual grape sources. Proprietary information will not be disclosed to the public.

Water Supply/ Waste Disposal Information Sheet

Water Supply

Please attach completed Phase I Analysis sheet.

	Domestic	Emergency
Proposed source of water (e.g., spring, well, mutual water company, city, district, etc.):	<u>Spring/Well</u>	<u>Tank</u>
Name of proposed water supplier (if water company, city, district):	<u>Private</u>	<u>Private</u>
Is annexation needed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Current water use:	<u>1,700 +/- avg</u> gallons per day (gal/d)	
Current water source:	<u>Spring/Well</u>	<u>Tank</u>
Anticipated future water demand:	<u>1,900 +/- avg</u> gal/d	<u>n/a</u> gal/d
Water availability (in gallons/minute):	<u>38</u> gal/m	<u>200+</u> gal/m
Capacity of water storage system:	<u>8,000</u> gal	<u>15,000 +/-</u> gal
Type of emergency water storage facility if applicable (e.g., tank, reservoir, swimming pool, etc.):	<u>Tanks</u>	

Liquid Waste

Please attach Septic Feasibility Report

	Domestic	Other
Type of waste:	<u>sewage</u>	<u>winery pw</u>
Disposal method (e.g., on-site septic system, on-site ponds, community system, district, etc.):	<u>Onsite Septic</u>	<u>Onsite Septic</u>
Name of disposal agency (if sewage district, city, community system):	<u>n/a</u>	<u>n/a</u>
Is annexation needed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Current waste flows (peak flow):	<u>685</u> gal/d	<u>1,000</u> gal/d
Anticipated future waste flows (peak flow):	<u>720</u> gal/d	<u>1,000</u> gal/d
Future waste disposal design capacity:	<u>1,000</u> gal/d	<u>1,000</u> gal/d

Solid Waste and Recycling Storage and Disposal

Please include location and size of solid waste and recycling storage area on site plans in accordance with the guidelines available at www.countyofnapa.org/dem.

Hazardous and/or Toxic Materials

If your facility generates hazardous waste or stores hazardous materials above threshold planning quantities (55 gallons liquid, 500 pounds solid or 200 cubic feet of compressed gas) then a hazardous materials business plan and/or a hazardous waste generator permit will be required.

Grading Spoils Disposal

Where will grading spoils be disposed of?

(e.g. on-site, landfill, etc. If off-site, please indicate where off-site): offsite

Winery Traffic Information / Trip Generation Sheet

Project Name: Fontanella Family Winery	Project Scenario:	Permitted
Traffic during a Typical Weekday		
Number of FT employees: <u>3</u> x 3.05 one-way trips per employee	=	<u>9</u> daily trips.
Number of PT employees: <u>2</u> x 1.90 one-way trips per employee	=	<u>4</u> daily trips.
Average number of weekday visitors: <u>2</u> / 2.6 visitors per vehicle x 2 one-way trips	=	<u>2</u> daily trips.
Gallons of production: <u>30000</u> / 1,000 x .009 truck trips daily ³ x 2 one-way trips	=	<u>1</u> daily trips.
Total	=	<u>15</u> daily trips.
Number of total weekday trips x .38	=	<u>6</u> PM peak trips.

Traffic during a Typical Saturday		
Number of FT employees (on Saturdays): <u>3</u> x 3.05 one-way trips per employee	=	<u>9</u> daily trips.
Number of PT employees (on Saturdays): <u>2</u> x 1.90 one-way trips per employee	=	<u>4</u> daily trips.
Average number of weekend visitors: <u>2</u> / 2.8 visitors per vehicle x 2 one-way trips	=	<u>1</u> daily trips.
Total	=	<u>14</u> daily trips.
Number of total Saturday trips x .57	=	<u>8</u> PM peak trips.

Traffic during a Crush Saturday		
Number of FT employees (during crush): <u>3</u> x 3.05 one-way trips per employee	=	<u>9</u> daily trips.
Number of PT employees (during crush): <u>2</u> x 1.90 one-way trips per employee	=	<u>4</u> daily trips.
Average number of weekend visitors: <u>2</u> / 2.8 visitors per vehicle x 2 one-way trips	=	<u>1</u> daily trips.
Gallons of production: <u>30000</u> / 1,000 x .009 truck trips daily x 2 one-way trips	=	<u>1</u> daily trips.
Avg. annual tons of grape on-haul: <u>190</u> x .11 truck trips daily ⁴ x 2 one-way trips	=	<u>3</u> daily trips.
Total	=	<u>18</u> daily trips.
Number of total Saturday trips x .57	=	<u>10</u> PM peak trips.

Largest Marketing Event- Additional Traffic		
Number of event staff (largest event): <u>0</u> x 2 one-way trips per staff person	=	<u>0</u> trips.
Number of visitors (largest event): <u>0</u> / 2.8 visitors per vehicle x 2 one-way trips	=	<u>0</u> trips.
Number of special event truck trips (largest event): <u>0</u> x 2 one-way trips	=	<u>0</u> trips.

³ Assumes 1.47 materials & supplies trips + 0.8 case goods trips per 1,000 gallons of production / 250 days per year (see *Traffic Information Sheet Addendum* for reference).

⁴ Assumes 4 tons per trip / 36 crush days per year (see *Traffic Information Sheet Addendum* for reference).

Winery Traffic Information / Trip Generation Sheet

Project Name: Fontanella Family Winery

Project Scenario:

Proposed

Traffic during a Typical Weekday

Number of FT employees: <u>6</u> x 3.05 one-way trips per employee	=	<u>18</u> daily trips.
Number of PT employees: <u>0</u> x 1.90 one-way trips per employee	=	<u>0</u> daily trips.
Average number of weekday visitors: <u>14</u> / 2.6 visitors per vehicle x 2 one-way trips	=	<u>11</u> daily trips.
Gallons of production: <u>30000</u> / 1,000 x .009 truck trips daily ³ x 2 one-way trips	=	<u>1</u> daily trips.
Total	=	<u>30</u> daily trips.
Number of total weekday trips x .38	=	<u>11</u> PM peak trips.

Traffic during a Typical Saturday

Number of FT employees (on Saturdays): <u>6</u> x 3.05 one-way trips per employee	=	<u>18</u> daily trips.
Number of PT employees (on Saturdays): <u>0</u> x 1.90 one-way trips per employee	=	<u>0</u> daily trips.
Average number of weekend visitors: <u>14</u> / 2.8 visitors per vehicle x 2 one-way trips	=	<u>10</u> daily trips.
Total	=	<u>28</u> daily trips.
Number of total Saturday trips x .57	=	<u>16</u> PM peak trips.

Traffic during a Crush Saturday

Number of FT employees (during crush): <u>6</u> x 3.05 one-way trips per employee	=	<u>18</u> daily trips.
Number of PT employees (during crush): <u>0</u> x 1.90 one-way trips per employee	=	<u>0</u> daily trips.
Average number of weekend visitors: <u>14</u> / 2.8 visitors per vehicle x 2 one-way trips	=	<u>10</u> daily trips.
Gallons of production: <u>30000</u> / 1,000 x .009 truck trips daily x 2 one-way trips	=	<u>1</u> daily trips.
Avg. annual tons of grape on-haul: <u>190</u> x .11 truck trips daily ⁴ x 2 one-way trips	=	<u>3</u> daily trips.
Total	=	<u>31</u> daily trips.
Number of total Saturday trips x .57	=	<u>18</u> PM peak trips.

Largest Marketing Event- Additional Traffic

Number of event staff (largest event): <u>5</u> x 2 one-way trips per staff person	=	<u>10</u> trips.
Number of visitors (largest event): <u>150</u> / 2.8 visitors per vehicle x 2 one-way trips	=	<u>107</u> trips.
Number of special event truck trips (largest event): <u>3</u> x 2 one-way trips	=	<u>6</u> trips.

³ Assumes 1.47 materials & supplies trips + 0.8 case goods trips per 1,000 gallons of production / 250 days per year (see *Traffic Information Sheet Addendum* for reference).

⁴ Assumes 4 tons per trip / 36 crush days per year (see *Traffic Information Sheet Addendum* for reference).



A Tradition of Stewardship
A Commitment to Service

Planning, Building & Environmental Services - David Morrison, Director
1195 Third Street, Napa, CA 94559 - (707) 253-4417 - www.countyofnapa.org

Project name & APN: Fontanella Family Winery
Project number if known: _____
Contact person: Karen Fontanella
Contact email & phone number: karen@fontanellawines.com7077388677
Today's date: November 14, 2018

Voluntary Best Management Practices Checklist for Development Projects

Napa County General Plan Policy CON-65 (e) and Policy CON-67 (d) requires the consideration of Greenhouse Gas (GHG) emissions in the review of discretionary projects and to promote and encourage "green building" design. The below Best Management Practices (BMPs) reduce GHG emissions through energy and water conservation, waste reduction, efficient transportation, and land conservation. The voluntary checklist included here should be consulted early in the project and be considered for inclusion in new development. It is not intended, and likely not possible for all projects to adhere to all of the BMPs. Rather, these BMPs provide a portfolio of options from which a project could choose, taking into consideration cost, co-benefits, schedule, and project specific requirements. Please check the box for all BMPs that your project proposes to include and include a separate narrative if your project has special circumstances.

Practices with Measurable GHG Reduction Potential

The following measures reduce GHG emissions and if needed can be calculated. They are placed in descending order based on the amount of emission reduction potential.

Already Plan
Doing To Do

ID # BMP Name

BMP-1 Generation of on-site renewable energy

If a project team designs with alternative energy in mind at the conceptual stage it can be integrated into the design. For instance, the roof can be oriented, sized, and engineered to accommodate photovoltaic (PV) panels. If you intend to do this BMP, please indicate the location of the proposed PV panels on the building elevations or the location of the ground mounted PV array on the site plan. Please indicate the total annual energy demand and the total annual kilowatt hours produced or purchased and the potential percentage reduction of electrical consumption. Please contact staff or refer to the handout to calculate how much electrical energy your project may need.

BMP-2 Preservation of developable open space in a conservation easement

Please indicate the amount and location of developable land (i.e.: under 30% slope and not in creek setbacks or environmentally sensitive areas for vineyards) conserved in a permanent easement to prohibit future development.

Already Doing Plan To Do

BMP-3 Habitat restoration or new vegetation (e.g. planting of additional trees over 1/2 acre)

Napa County is famous for its land stewardship and preservation. Restoring areas within the creek setback reduces erosion potential while planting areas that are currently hardscape (such as doing a bio-retention swale rather than underground storm drains) reduces storm water and helps the groundwater recharge. Planting trees can also increase the annual uptake of CO2e and add the County's carbon stock.

BMP-4 Alternative fuel and electrical vehicles in fleet

The magnitude of GHG reductions achieved through implementation of this measure varies depending on the analysis year, equipment, and fuel type replaced.

Number of total vehicles _____

Typical annual fuel consumption or VMT _____

Number of alternative fuel vehicles _____

Type of fuel/vehicle(s) _____

Potential annual fuel or VMT savings _____

BMP-5 Exceed Title 24 energy efficiency standards: Build to CALGREEN Tier 2

The California Building Code update effective January 1, 2011 has new mandatory green building measures for all new construction and has been labeled CALGREEN. CALGREEN provides two voluntary higher levels labeled CALGREEN Tier I and CALGREEN Tier II. Each tier adds a further set of green building measures that go above and beyond the mandatory measures of the Code. In both tiers, buildings will use less energy than the current Title 24 California Energy Code. Tier I buildings achieve at least a 15% improvement and Tier 2 buildings are to achieve a 30% improvement. Both tiers require additional non-energy prerequisites, as well as a certain number of elective measures in each green building category (energy efficiency, water efficiency, resource conservation, indoor air quality and community).

BMP-6 Vehicle Miles Traveled (VMT) reduction plan

Selecting this BMP states that the business operations intend to implement a VMT reduction plan reducing annual VMTs by at least 15%.

Tick box(es) for what your Transportation Demand Management Plan will/does include:

- employee incentives
- employee carpool or vanpool
- priority parking for efficient transportation (hybrid vehicles, carpools, etc.)
- bike riding incentives
- bus transportation for large marketing events
- Other: _____

Estimated annual VMT _____

Potential annual VMT saved _____

% Change _____

Already Plan
Doing To Do

- BMP-7 Exceed Title 24 energy efficiency standards: Build to CALGREEN Tier 1**
See description below under BMP-5.
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-

- BMP-8 Solar hot water heating**
Solar water heating systems include storage tanks and solar collectors. There are two types of solar water heating systems: active, which have circulating pumps and controls, and passive, which don't. Both of them would still require additional heating to bring them to the temperature necessary for domestic purposes. They are commonly used to heat swimming pools.
-
-

- BMP-9 Energy conserving lighting**
Lighting is approximately 25% of typical electrical consumption. This BMP recommends installing or replacing existing light bulbs with energy-efficient compact fluorescent (CF) bulbs or Light Emitting Diode (LED) for your most-used lights. Although they cost more initially, they save money in the long run by using only 1/4 the energy of an ordinary incandescent bulb and lasting 8-12 times longer. Typical payback from the initial purchase is about 18 months.
-
-

- BMP-10 Energy Star Roof/Living Roof/Cool Roof**
Most roofs are dark-colored. In the heat of the full sun, the surface of a black roof can reach temperatures of 158 to 194 °F. Cool roofs, on the other hand, offer both immediate and long-term benefits including reduced building heat-gain and savings of up to 15% the annual air-conditioning energy use of a single-story building. A cool roof and a green roof are different in that the green roof provides living material to act as a both heat sink and thermal mass on the roof which provides both winter warming and summer cooling. A green (living) roof also reduces storm water runoff.
-
-

- BMP-11 Bicycle Incentives**
Napa County Zoning Ordinance requires 1 bicycle rack per 20 parking spaces (§18.110.040). Incentives that go beyond this requirement can include on-site lockers for employees, showers, and for visitor's items such as directional signs and information on biking in Napa. Be creative!
-
-

- BMP-12 Bicycle route improvements**
Refer to the Napa County Bicycle Plan (NCPTA, December 2011) and note on the site plan the nearest bike routes. Please note proximity, access, and connection to existing and proposed bike lanes (Class I: Completely separated right-of-way; Class II: Striped bike lane; Class III: Signed Bike Routes). Indicate bike accessibility to project and any proposed improvements as part of the project on the site plan or describe below.
-
-

Already Doing Plan To Do

BMP-13 Connection to recycled water

Recycled water has been further treated and disinfected to provide a non-potable (non-drinking water) water supply. Using recycled water for irrigation in place of potable or groundwater helps conserve water resources.

BMP-14 Install Water Efficient fixtures

WaterSense, a partnership program by the U.S. Environmental Protection Agency administers the review of products and services that have earned the WaterSense label. Products have been certified to be at least 20 percent more efficient without sacrificing performance. By checking this box you intend to install water efficient fixtures or fixtures that conserve water by 20%.

BMP-15 Low-impact development (LID)

LID is an approach to land development (or re-development) that works with nature to manage storm water as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treat storm water as a resource rather than a waste product. There are many practices that have been used to adhere to these principles such as bioretention facilities, rain gardens, vegetated rooftops, rain barrels, and permeable pavements. By implementing LID principles and practices, water can be managed in a way that reduces the impact of built areas and promotes the natural movement of water within an ecosystem or watershed. Please indicate on the site or landscape plan how your project is designed in this way.

BMP-16 Water efficient landscape

If your project is a residential development proposing in excess of 5,000 sq. ft. or a commercial development proposing in excess of 2,500 sq. ft. The project will be required to comply with the Water Efficient Landscape Ordinance (WELO).

Please check the box if you will be complying with WELO or if your project is smaller than the minimum requirement and you are still proposing drought tolerant, zeroscape, native plantings, zoned irrigation or other water efficient landscape.

BMP-17 Recycle 75% of all waste

Did you know that the County of Napa will provide recycling collectors for the interior of your business at no additional charge? With single stream recycling it is really easy and convenient to meet this goal. To qualify for this BMP, your business will have to be aggressive, proactive and purchase with this goal in mind.

Already Plan
Doing To Do

BMP-18 Compost 75% food and garden material

The Napa County food composting program is for any business large or small that generates food scraps and compostable, including restaurants, hotels, wineries, assisted living facilities, grocery stores, schools, manufacturers, cafeterias, coffee shops, etc. All food scraps (including meat & dairy) as well as soiled paper and other compostable - see <http://www.naparecycling.com/foodcomposting> for more details.

BMP-19 Implement a sustainable purchasing and shipping programs

Environmentally Preferable Purchasing (EPP) or Sustainable Purchasing refers to the procurement of products and services that have a reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. By selecting this BMP, you agree to have an EPP on file for your employees to abide by.

BMP-20 Planting of shade trees within 40 feet of the south side of the building elevation

Well-placed trees can help keep your building cool in summer. If you choose a deciduous tree after the leaves drop in autumn, sunlight will warm your building through south and west-facing windows during the colder months. Well-designed landscaping can reduce cooling costs by 20%. Trees deliver more than energy and cost savings; they are important carbon sinks. Select varieties that require minimal care and water, and can withstand local weather extremes. Fruit or nut trees that produce in your area are great choices, providing you with local food as well as shade. Please use the site or landscape plan to indicate where trees are proposed and which species you are using.

BMP-21 Electrical Vehicle Charging Station(s)

As plug-in hybrid electric vehicles (EV) and battery electric vehicle ownership is expanding, there is a growing need for widely distributed accessible charging stations. Please indicate on the site plan where the station will be.

BMP-22 Public Transit Accessibility

Refer to <http://www.ridethevine.com/vine> and indicate on the site plan the closest bus stop/route. Please indicate if the site is accessed by transit or by a local shuttle. Provide an explanation of any incentives for visitors and employees to use public transit. Incentives can include bus passes, informational hand outs, construction of a bus shelter, transportation from bus stop, etc.

Already Plan
Doing To Do

BMP-23

Site Design that is oriented and designed to optimize conditions for natural heating, cooling, and day lighting of interior spaces, and to maximize winter sun exposure; such as a cave.

The amount of energy a cave saves is dependent on the type of soil, the microclimate, and the user's request for temperature control. Inherently a cave or a building burned into the ground saves energy because the ground is a consistent temperature and it reduces the amount of heating and cooling required. On the same concept, a building that is oriented to have southern exposure for winter warmth and shading for summer cooling with an east-west cross breeze will naturally heat, cool, and ventilate the structure without using energy. Please check this box if your design includes a cave or exceptional site design that takes into consideration the natural topography and sitting. Be prepared to explain your approach and estimated energy savings.

BMP-24 Limit the amount of grading and tree removal

Limiting the amount of earth disturbance reduces the amount of CO2 released from the soil and mechanical equipment. This BMP is for a project design that either proposes a project within an already disturbed area proposing development that follows the natural contours of the land, and that doesn't require substantial grading or tree removal.

BMP-25 Will this project be designed and built so that it could qualify for LEED?

BMP-25 (a)

LEED™ Silver (check box BMP-25 and this one)

BMP-25 (b)

LEED™ Gold (check box BMP-25, BMP-25 (a), and this box)

BMP-25 (c)

LEED™ Platinum (check all 4 boxes)

Practices with Un-Measured GHG Reduction Potential

BMP-26 Are you, or do you intend to become a Certified Green Business or certified as a "Napa Green Winery"?

As part of the Bay Area Green Business Program, the Napa County Green Business Program is a free, voluntary program that allows businesses to demonstrate the care for the environment by going above and beyond business as usual and implementing environmentally friendly business practices. For more information check out the Napa County Green Business and Winery Program at www.countyofnapa.org.

BMP-27 Are you, or do you intend to become a Certified "Napa Green Land"?

Napa Green Land, fish friendly farming, is a voluntary, comprehensive, "best practices" program for vineyards. Napa Valley vintners and growers develop farm-specific plans tailored to protect and enhance the ecological quality of the region, or create production facility programs that reduce energy and water use, waste and pollution. By selecting this measure either you are certified or you are in the process of certification.

Already Doing Plan To Do

BMP-28 Use of recycled materials
There are a lot of materials in the market that are made from recycled content. By ticking this box, you are committing to use post-consumer products in your construction and your ongoing operations.

BMP-29 Local food production
There are many intrinsic benefits of locally grown food, for instance reducing the transportation emissions, employing full time farm workers, and improving local access to fresh fruits and vegetables.

BMP-30 Education to staff and visitors on sustainable practices
This BMP can be performed in many ways. One way is to simply put up signs reminding employees to do simple things such as keeping the thermostat at a consistent temperature or turning the lights off after you leave a room. If the project proposes alternative energy or sustainable winegrowing, this BMP could include explaining those business practices to staff and visitors.

BMP-31 Use 70-80% cover crop
Cover crops reduce erosion and the amount of tilling which is required, which releases carbon into the environment.

BMP-32 Retain biomass removed via pruning and thinning by chipping the material and reusing it rather than burning on-site
By selecting this BMP, you agree not to burn the material pruned on site.

BMP-33 Are you participating in any of the above BMPS at a 'Parent' or outside location?

BMP-34 Are you doing anything that deserves acknowledgement that isn't listed above?

Comments and Suggestions on this form?



POST-CONSTRUCTION STORMWATER CONTROL PLAN (SCP) APPLICABILITY

Under Provision E.12 of a statewide Phase II municipal stormwater NPDES permit reissued by the California State Water Resource Control Board in 2013, requires Napa County to regulate development projects to control pollutants in runoff from newly created or replaced impervious surface. Prior to submittal of a use, building, or grading permit, applicants must determine the Project Type, Project Requirements and submittal requirements. Refer to Napa County's BASMAA Post- Construction Manual Table 1-1, Requirements at a Glance, for a summary of project type requirements.

TYPE OF PROJECT:

Single Family Dwelling*

Larger Plan of Development**

Commercial / Industrial / Non-Residential

Roads / Linear-Utility Project (LUP)

*All areas are approximate and are provide to allow classification of project related to post-construction stormwater requirements only.

Total New or Replaced Impervious Surface Area (sq.ft.):

Total Pre-Project Impervious Surface Area (sq.ft.): Total

Post-Project Impervious Surface Area (sq.ft.):

**Does not include reconstructed area that does not change drainage flowline of said area and therefore does not count toward determination of project's "regulated" status.

*Single-Family home or dwelling unit means a dwelling unit containing not more than one kitchen, designed to be occupied by not more than one family, and includes a manufactured home as defined in Section 18.08.360 which is installed on a permanent foundation and certified under the National Manufactured Housing Construction and Safety Standards Act of 1974 (42 U.S.C. Sections 5401 and following).

**Larger Plan of Development means a development consisting of more than a single family home or dwelling unit and two accessory structures (e.g. detached garage, guest cottage, pool house, etc.).

For County Use Only:

	Single-Family Dwelling	Small Project	Regulated Project	Roads & LUPs	N/A
Project Category	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Operation & Maintenance Agreement Required:

Yes

No

I hereby certify that the information presented herein by myself or my representative is accurate and complete. Incorrect information on proposed activities or uses may delay your application(s) or permit(s).

Name of Owner / Agent:

Title:

Signature of Owner / Agent

Date: