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45,000-gallon
Winery Comparison Chart

Arrow and Branch Winery
Use Permit Major Modification #P23-00057
Winery Comparison 40,000-50,000 gallons per year

*Note: Comparison chart was expanded to show a wider range, because the 45,000 gallon sample size was small.

Name	Cave Bldg Size size		Production	Daily Visitors	Weekly Visitors	Annual Visitors	Annual Marketing Visitors	Number of Marketing Events	Annual Visitation	Acres	Location	Pre-WDO
JERICHO CANYON WINERY	10291	4100	50000	90	500	13800	1200	12	15000	131.05	hillside	No
TOM EDDY WINERY	10200	21437	48000	0	20	1040	309	8	1349	14.59	hillside	No
CALISTOGA ARTISAN VILLAGE			48000	40	240	12480	384	8	12864	21.97	valley floor	No
BENNETT LANE WINERY	17550	0	50000	32	200	10400	2495	55	12895	10	valley floor	No
SHUTTERS WINERY	20934	11600	50000	18	40	2080	1000	26	3080	13.36	hillside	No
NORMAN ALUMBAUGH WINERY	21052	0	50000	20	140	7280	244	8	7524	80.92	Pope Valley	No
OUTPOST WINES	9155	0	50000	30	180	9360	325	9	9685	37.61	Angwin	Yes
ROBERT FOLEY VINEYARDS	1760	12350	50000	10	60	3120	244	14	3364	13.04	Angwin	No
LAST RESORT WINERY	9839	0	50000	20	140	7280	720	12	8000	55.44	Pope Valley	No
PRIDE MOUNTAIN VINEYARDS	5400	14000	50000	20	20	1040	1060	49	2100	22.27	hillside	No
FLYNNVILLE WINE COMPANY	26200		40000	25	175	9100	150	6	9250	10.09	valley floor	No
TITUS VINEYARDS	18452	0	48000	60	350	18200	1700	20	19900	31.77	valley floor	No
CHATEAU BOSWELL	8155	10860	48000	30	210	10920	0	0	10920	9.12	hillside	Yes
BENESSERE	9994	0	44000	60	300	15600	1760	56	17360	42.61	valley floor	Yes
LOKOYA	16712	0	50000	30	70	3640	720	24	4360	72.55	hillside	Yes
ROBERT KEENAN WINERY	10006	0	50000	35	245	12740	1050	21	13790	147.39	hillside	Yes
SPRING MOUNTAIN VINEYARDS	14000	19660	48000	0	0	0	0	0	0	233.35	hillside	Yes
MEADOWOOD LANE WINERY	9520	15000	48000	19	90	4680	1140	50	5820	14.7	hillside	No
NAPA VALLEY RESERVE	26130	42000	48000	6	20	1040	4540	266	5580	63.7	hillside	No
ANDERSON'S CONN VALLEY WINERY	26099	0	40000	15	20	1040	360	16	1400	40	hillside	Yes
BUEHLER VINEYARDS	12187	0	50000	0	0	0	0	0	0	47.76	hillside	Yes
BROWN ESTATE VINEYARDS	2704	6000	50000	2	2	104	220	9	324	130.46	Chiles Valley	No
DEL DOTTO FAMILY WINERY	4200	15163	48000	0	200	10400	1146	31	11546	10	valley floor	No
NIEBAUM COPPOLA ESTATE NIEBAU	30090	0	50000	20	15	780	1170	41	1950	78.76	hillside	Yes
SWANSON VINEYARDS	8480	0	42500	20	100	5200	0	0	5200	1.32	valley floor	Yes
FOLIE A DEUX	9700	0	50000	50	350	18200	0	0	18200	3	valley floor	No
TENCH WINERY	6779	6245	42840	14	98	5264	150	3	5414	60.86	valley floor	No
B CELLARS	21552	22946	45000	80	450	23400	2235	71	25635	11.53	valley floor	No
GAMBLE FAMILY VINEYARDS	32760	0	50000	30	300	15600	1410	34	17010	11.17	valley floor	No
BALDACCI FAMILY VINEYARDS	7474	18644	40000	100	700	36400	1420	34	37820	28.72	valley floor	Yes

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Name	Cave Bldg Size	size	Production	Daily Visitors	Weekly Visitors	Annual Visitors	Annual Marketing Visitors	Number of Marketing Events	Annual Visitation	Acres	Location	Pre-WDO
NEYERS VINEYARDS WINERY	8000	6800	40000	0	0	0	0	0	0	29.31	hillside	Yes
VINE CLIFF WINERY	7780	15000	48000	50	350	18200	2516	140	20716	99.59	hillside	Yes
KITOKO VINEYARDS WINERY	7448	13662	40000	20	140	7280	400	11	7680	20	Atlas Peak	No
ALTAMURA WINERY	11800	3115	50000	0	20	1040	0	0	1040	58.59	Wooden Valley	No
JARVIS VINEYARDS	20424	51724	40000	50	350	18200	0	0	18200	124	hillside	No
SHIFFLETT RANCH AND VINEYARD	3000	0	40000	20	56	2912	510	14	3422	46.2	valley floor	No
CHATEAU POTELLE	5790	0	48000	36	250	13000	0	0	13000	122.68	hillside	Yes
PROGENY WINERY	20882	0	50000	60	350	18200	4640	76	22840	236.66	hillside	No
KNOLLWOOD VINEYARDS	7956	0	40000	14	98	5096	450	13	0	31.7	valley floor	Yes
REGUSCI WINERY	22000	0	50000	150	400	20800	1450	16	22250	162.62	valley floor	No
HAGAFEN CELLARS	6800	0	50000	25	150	7800	725	12	8525	12.28	valley floor	No
SIGNORELLO WINERY	5475	15906	50000	60	350	18200	2011	53	20211	56.59	valley floor	Yes
REYNOLDS WINERY	10066	0	40000	40	280	14560	1906	52	16466	13.45	hillside	No
REFUGE WINERY	18875	0	50000	124	868	45136	3370	115	48506	13.23	valley floor	No
MADONNA ESTATE - MONT ST JOHN	16360	0	50000	280	1044	54288	0	0	54288	4.37	Carneros	Yes
CEJA VINEYARDS	31758	0	45000	24	168	1176	4485	56	5661	10.42	Carneros	No
ITALICS WINERY	13967	16500	50000	20	50	2600	390	8	2990	45.98	MST	No
DAVID BUSBY WINERY	18162	0	50000	0	0	0	0	0	0	1.28	industrial	No
PIAZZA DEL DOTTO	17923	15970	48000	0	200	10400	1146	31	11546	10.08	valley floor	No
TWO ROCKS WINERY	6950	20682	50000	6	15	780	920	13	1700	46.66	hillside	No
KELLER WINERY	27930	0	50000	75	350	18200	1500	27	19700	43.33	valley floor	No
AVERAGE CALCULATION	13,934	7,742	47,203	38	210	10,550	1,050	30	11,492	51.73		
MEDIAN CALCULATION	10,246	0	50,000	24	168	7,800	720	14	8,525	31.77		
ARROW AND BRANCH WINERY	18,105	0	45,000	34	238	12,410	610	14	13,020	10.09	Valley floor	No

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LOCATIONAL CRITERIA	STAFF COMMENTS
Size of Parcel	10.09 acres
Proximity of Nearest Residence	210 feet to the northwest
Number of Wineries Located Within One Mile	7
Located Within the Napa Valley Business Park	No
Primary Road a Dead End	No
Located Within a Flood Zone	No
Located Within a Municipal Reservoir Watershed	No
Located Within a State Responsibility Area or Fire Hazard Severity Zone	Local Responsibility Area - NonWild Land Severity Zone
Located Within an Area of Expansive Soils	No
Located Within a Protected County Viewshed	No
Result in the Loss of Sensitive Habitat	No
OPERATIONAL CRITERIA	STAFF COMMENTS
Napa Green Certified or Other Related Program	No
Percentage of Estate Grapes Proposed	75% of grapes are from Napa County
Number of Proposed Variances	None
Wastewater Processed On-Site	Yes
Voluntary Greenhouse Gas Emission Reduction Measures Proposed	<p>These practices include installation of solar panels; the preparation of a Vehicle Miles Traveled (VMT) reduction plan to reduce annual VMT by at least 15% by providing employee incentives, priority parking for efficient transportation, bike riding incentives, and bus transportation for large marketing events; installation of solar hot water heating; energy conserving lighting; installation of an energy star roof; installation of water efficient fixtures; low-impact development to manage stormwater as close to its source as possible; install a water efficient landscape design; implementation of a sustainable purchasing and shipping program; installation of electrical vehicle charging station(s); public transportation will be available; the structure design will be oriented to maximize passive cooling, heating, and lighting; use of recycled materials for construction and operation; education to staff and visitors on sustainable</p>

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Voluntary Greenhouse Gas Emission Reduction Measures Proposed (cont.)	education to staff and visitors on sustainable practices; use of 70-80% cover crop; retention of biomass via pruning and thinning by chipping the materials and reusing it rather than burning on-site; and water conservation by use of processed wastewater
Violations Currently Under Investigation	No
High Efficiency Water Use Measures Proposed	Yes
Existing Vineyards Proposed to be Removed	No
On-Site Employee or Farmworker Housing Proposed	No
Site Served by a Municipal Water Supply	No
Site Served by a Municipal Sewer System	No
Recycled Water Use Proposed	Yes
New Vineyards Plantings Proposed	No
Hold & Haul Proposed	No
Trucked in Water Proposed	No

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Summary of Operational Changes

Existing Conditions		Proposed Request	Net Change Analyzed
Visitation			
15 Visitors/Day	34 Visitors/Day	Net increase of 19 Visitors/Day	
105 Visitors/Week (average)	238 Visitors/Week	Net increase of 133 Visitors/Week	
5,475 Visitors/Year	12,410 Visitors/Year	Net increase of 6,935 Visitors/Year	
Marketing Program			
7 Total Events	14 Total Events	Net increase 7 Total Events	
305 Total Marketing Guests/Year	610 Marketing Guests/Year	Net increase 305 Marketing Guests	
6 events for 30 guests	12 events for 30 guests	6 events for 30 guests	
1 event for 125 guests	2 events for 125 guests	1 event for 125 guests	
Employees			
Four (4) full-time employees	Five (5) full-time employees	One (1) full-time employees	