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Checklist of Voluntary
Greenhouse Gas Emission Reduction Measures

JUN 02 2010

NAPA CO. CONSERVATION
DEVELOPMENT & PLANNING DEPT.
An addendum to the Entitlement Application and a supplement for Initial Studies as required by CEQA



A Tradition of Stewardship
A Commitment to Service

PROJECT NAME	LARRY HYDE & SONS WINERY
PROJECT ADDRESS	1044 LOS CARMEROS AVE.
APPLICANT	LARRY HYDE
CONTACT INFO	707 224-3618
email	phone

- 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.
- 2 Do you have an integrated design team?
if yes, please list:
- | | | |
|-----|----|--------------|
| yes | no | I don't know |
| | X | |
| | X | |

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?
- 3.32 drought tolerant plants?
- 3.33 Pierce Disease resistant planting?
- 3.34 Fire resistant planting?
- 3.35 Are you restoring open space and/or habitat?
- 3.36 Are you harvesting rain water on site?
- 3.37 planting large trees to act as carbon sinks?
- 3.38 using permeable paving materials for drive access and walking surfaces?
- 3.4 Does your parking lot include bicycle parking?
- 3.5 Do you have on-site waste water disposal?
- 3.6 Do 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?
- | | | |
|---|---|---|
| X | X | |
| X | | X |
| X | | |
| | | X |
| | X | |
| | X | |
| X | X | |
| | X | |
| X | | |
| X | | |
| X | | |
| X | | |
| X | | |
| 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:
ROOF SOLAR PANELS - ELECT OFF-SET NOT DETERMINED
- 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?
- 4.42 Zones for heating and cooling to provide for maximum efficiency?
- 4.43 Energy Star™ or ultra energy efficient appliances?
- 4.44 A "cool" (lightly colored or reflective) or a permeable/living roof?
- 4.45 Timers/time-outs installed on lights (such as the bathrooms)?
- If yes, please explain:
- | | | |
|---|---|--|
| X | | |
| | X | |
| | X | |
| X | | |
| X | | |
| X | | |
| X | | |
| X | X | |
| X | | |
| X | | |

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?
- 5.52 ultra water efficient fixtures and appliances?
- 5.53 a continuous hot water distribution method, such as an on-demand pump?
- 5.54 a timer to insure that the systems are run only at night/early morning?
- | | | |
|---|---|---|
| X | | |
| | X | |
| | X | |
| X | | |
| | | |
| | X | |
| | X | |
| | | |
| | X | X |

yes no I don't know

6 MATERIAL RECYCLING

6.1 Are you using reclaimed materials?
if yes, what and where: STRUCTURAL STEEL

<input checked="" type="checkbox"/>		
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6.2 Are you using recycled construction materials-

6.21 finish materials?	<input checked="" type="checkbox"/>	
6.22 aggregate/concrete road surfaces?	<input checked="" type="checkbox"/>	
6.23 fly ash/slag in foundation?	<input checked="" type="checkbox"/>	

6.3 Will your contractor be required to recycle and reuse construction materials as part of your contract?

	<input checked="" type="checkbox"/>	
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6.4 Does your facility provide access to recycle-

6.41 Kitchen recycling center?	<input checked="" type="checkbox"/>	
6.42 Recycling options at all trash cans?	<input checked="" type="checkbox"/>	
6.43 Do you compost green waste?	<input checked="" type="checkbox"/>	
6.44 Provide recycling options at special events?	<input checked="" type="checkbox"/>	

7 NATURAL RESOURCES

7.1 Will you be using certified wood that is sustainably harvested in construction?

	<input checked="" type="checkbox"/>	
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7.2 Will you be using regional (within 500 miles) building materials?

		<input checked="" type="checkbox"/>
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7.3 Will you be using rapidly renewable materials, such as bamboo?

	<input checked="" type="checkbox"/>	
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7.4 Will you apply optimal value engineering (studs & rafters at 24" on center framing)?

<input checked="" type="checkbox"/>		
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7.5 Have you considered the life-cycle of the materials you chose?

	<input checked="" type="checkbox"/>	
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8 INDOOR AIR QUALITY

8.1 Will you be using low or no emitting finish and construction materials indoors-

8.11 Paint?	<input checked="" type="checkbox"/>	
8.12 Adhesives and Sealants?		<input checked="" type="checkbox"/>
8.13 Flooring?		<input checked="" type="checkbox"/>
8.14 Framing systems?		<input checked="" type="checkbox"/>
8.15 Insulation?		<input checked="" type="checkbox"/>

8.2 Does the design allow for maximum ventilation?

	<input checked="" type="checkbox"/>	
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8.3 Do you plan for a wood burning fireplace (US EPA Phase II certified)?

	<input checked="" type="checkbox"/>	
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8.4 Does your design include dayling, such as skylights?

<input checked="" type="checkbox"/>		
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9 TRANSPORTATION DEMAND MANAGEMENT

9.1 After your project is complete, will you offer your employees incentives to carpool, bike, or use transit?

	<input checked="" type="checkbox"/>	
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9.2 After your project is complete, will you allow your employees to telecommute or have alternative work schedules?

	<input checked="" type="checkbox"/>	
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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?

	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	

9.4 How close is your facility to public transportation?

NOT AVAILABLE

10 Are there any superior environmental/sustainable features of your project that should be noted?
PROCESSED WINERY WASTE WATER FOR VINEYARD IRRIGATION
ROOF MOUNTED PHOTOVOLTAIC COLLECTORS

11 What other studies or reports have you done as part of preparing this application?

1	<u>PROCESSED DOMESTIC WASTE WATER SYSTEM</u>
2	<u>WINERY PROCESSED WASTE WATER SYSTEM</u>
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:

	<input checked="" type="checkbox"/>	
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13 Once your facility is in operation, will you:

13.1 calculate your greenhouse gas emissions?	<input checked="" type="checkbox"/>	
13.2 Implement a GHG reduction plan?	<input checked="" type="checkbox"/>	
13.3 have a written plan to reduce your vehicle miles traveled of your operations and employee's commute?	<input checked="" type="checkbox"/>	

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

	<input checked="" type="checkbox"/>	
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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: JERRY GERE ARCH.