

# 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		
PROJECT ADDRESS		
APPLICANT		
CONTACT INFO	email	phone

- |   | yes | no | I don't know |
|---|-----|----|--------------|
| 1 Have you designed to U.S.G.B.C.™ LEED™ or Build It Green™ standards?<br>If yes, please include a copy of their required spreadsheets. |     |    |              |
| 2 Do you have an integrated design team?<br>if yes, please list: _____  |     |    |              |

## 3 SITE DESIGN

- |  |  |  |  |
|--|--|--|--|
| 3.1 Does your design encourage community gathering, pedestrian friendly?   |  |  |  |
| 3.2 Are you building on existing disturbed areas, or preserving high quality ag land?  |  |  |  |
| 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 large trees to act as carbon sinks?   |  |  |  |
| 3.38 using permeable paving materials for drive access and walking surfaces?   |  |  |  |
| 3.4 Does your site provide access to alternative transportation?<br>If yes, what kind: _____   |  |  |  |
| 3.5 Does your parking lot include bicycle parking?   |  |  |  |
| 3.6 Do you have on-site waste water disposal?  |  |  |  |
| 3.7 Do have post-construction stormwater on site detention/filtration methods designed?  |  |  |  |
| 3.8 Have you designed in harmony with existing natural features, such as preserving existing trees or rock outcroppings?   |  |  |  |
| 3.9 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? |  |  |  |
| 4 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?<br>If yes, please explain the size, location, and percentage of off-set: _____ |  |  |  |
| 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 Zone your 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: _____  |  |  |  |

## 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 insurer that the systems are run only at night/early morning?          |  |  |  |

yes no I don't know

**6 MATERIAL RECYCLING**

6.1	Are you using reclaimed materials?			
	If yes, what and where: _____			
6.2	Are you using recycled construction materials-			
	6.21 finish materials?			
	6.22 aggregate/concrete road surfaces?			
	6.23 fly ash/slag in foundation?			
6.3	Will your contractor be required to recycle and reuse construction materials as part of your contract?			
6.4	Does your facility provide access to recycle-			
	6.41 Kitchen recycling center?			
	6.42 Recycling options at all trash cans?			
	6.43 Do you compost green waste?			
	6.44 Provide recycling options at special events?			

**7 NATURAL RESOURCES**

7.1	Will you be using certified wood that is sustainably harvested in construction?			
7.2	Will you be using regional (within 500 miles) building materials?			
7.3	Will you be using rapidly renewable materials, such as bamboo?			
7.4	Applying optimal value engineering (studs & rafters at 24" on center framing)?			
7.5	Have you considered the life-cycle of the materials you chose?			

**8 INDOOR AIR QUALITY**

8.1	Will you be using low or no emitting finish and construction materials indoors-			
	Paint?			
	Adhesives and Sealants?			
	Flooring?			
	Framing systems?			
	Insulation?			
8.2	Does the design allow for maximum ventilation?			
8.3	Do you plan for a wood burning fireplace (US EPA Phase II certified)?			
8.4	Does your design include dayliting, such as skylights?			

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


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

1	
2	
3	
4	

11 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: \_\_\_\_\_

12 Once your facility is in operation, will you:

12.1	calculate your greenhouse gas emissions?			
12.2	implement a GHG reduction plan?			
12.3	have a written plan to reduce your vehicle miles traveled of your operations and employee's commute?			

13 Does your project provide for education of green/sustainable practices?

If yes, please describe: \_\_\_\_\_

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


Form filed out by: \_\_\_\_\_