

**Title of Project: La Mancha Winery 24.4 KW-AC
Photovoltaic Project**

Submitted by

**Applicant Name: La Mancha Winery & Vineyard, Inc.
Address: 1000 Scenic Rd.,
City: Hollister
County: San Benito
State: CA
Zip code: 95023
Phone #: (831) 999-5555
E-mail: Alphonzo@LaMancha.com
Fax: (831) 999-6666**

\$ 41,214.00 Grant Request

(not to exceed \$50,000 or 25% of project cost, whichever is less)

Grant Writer None Phone N/A E-mail N/A

Date Submitted to Rural Development (RD) _____

This sample Application is provided by the California State Office of USDA Rural Development to assist applicants in meeting the requirements under the Simplified Application Process contained in 7 CFR Part 4280. This sample describes a fictional project and is meant as an example for guidance purposes only. For complete application requirements, applicants should consult the regulation. For further information, please contact Philip Brown at phil.brown@ca.usda.gov.

Certification Regarding Qualification For Simplified Grant Applications 4280.109

WHEREAS, La Mancha Winery & Vineyard, Inc. herein called the “Grantee,” intends to obtain assistance from the United States of America, acting through the US Department of Agriculture, Rural Development, herein called “Rural Development,” acting under the provisions of the Renewable Energy Systems and Energy Efficiency Improvements Grant Program 4280-B regulations.

NOW THEREFORE, the Grantee hereby certifies the following simplified application criteria have been or will be met:

- (1) The Grantee (applicant) is eligible in accordance with 4280.107.
- (2) The project is eligible in accordance with 4280.108.
- (3) Total eligible project costs are \$200,000 or less. The total eligible project cost of my project is \$164,856.
- (4) The proposed project will use commercially available renewable energy systems or energy efficiency improvements.
- (5) Construction planning and development will be performed in compliance with 4280.115. The Grantee or the Grantee’s prime contractor will assume all risks and responsibilities of project development.
- (6) The Grantee or the Grantee’s prime contractor is responsible for all interim financing.
- (7) The proposed project is scheduled to be completed within 24 months after entering into a grant agreement. Rural Development may extend this period if Rural Development determines, at its sole discretion, that the applicant is unable to complete the project for reasons beyond the applicant’s control.
- (8) The Grantee agrees not to request reimbursement from funds obligated under this program until after project completion, including all operational testing and certifications acceptable to Rural Development.

IN ADDITION, the Grantee hereby certifies the following application processing and administration requirements have been met and/or are agreed to:

- (1) Application documents have been submitted in accordance with 4280.111, or if applying for a combined grant and loan, also in accordance with 4280.128 (c).
- (2) The Grantee has certified that it meets the definition of demonstrated financial need, as defined in 4280.103. Rural Development reserves the right to request additional information.
- (3) The Grantee certifies that project development will follow 4280.115, except as follows:
 X (i) The Grantee will participate in project development without direct compensation subject to approval in writing by the prime contractor. All applicable construction practices, manufacturer instructions, and all safety codes and standards will be followed during construction and testing, and the work product must meet all applicable manufacture specifications, and all applicable codes and standards. The prime contractor will be responsible for the overall successful completion of the project including any work done by the grantee,

or

- NA (ii) The Grantee can demonstrate to Rural Development that the Grantee has the necessary experience and other resources to successfully complete the project and may serve as the prime contractor/installer. Projects where the Grantee serves as the prime contractor will secure the services of an independent, professionally responsible, qualified consultant to certify testing specifications, procedures, and testing results.
- (4) The project is complete when the Grantee has provided a written final project development, testing, and performance report acceptable to Rural Development. Upon notification of receipt of an acceptable project completion report, the grantee may request grant reimbursement. Rural Development reserves the right to observe the testing.
- (5) National flood insurance is required, if applicable. Business interruption insurance is not required.

IN WITNESS WHEREOF, I have executed this certification on this _____ day of _____, 20_____.

Alphonzo Martinez, President (Authorized Signature)
La Mancha Winery & Vineyard, Inc.

REAP – Simplified Application for Renewable Energy Project



La Mancha Winery 24.4 KW-AC Photovoltaic Project

4280.111 (b) (2) A detailed table of contents in the order presented below with clear pagination and chapter identification. The table of contents must include page numbers for each component of the proposal. Begin pagination immediately following the Table of Contents.

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Tab A Divider Page	
Federal Tax ID #	95-6667788
DUNS # <i>To get a DUNS number, call 1-800-234-3867 or go to http://www.dnb.com/us (Individual applicants filing their business/farm tax return using either Schedule "C" or Schedule "F" are exempt from this requirement)</i>	198674333
Project Specific Forms 4280.111 (b) (1) (I) A, B, C, D (insert forms immediately after this divider page)	
	"X" (enclosed) "NA" (not applicable)
SF 424 – Application for Federal Assistance	X
SF 424C – Budget Information	X
SF 424D – Assurances – Construction Programs	X
1940-20 – Request for Environmental Information – and documentation <i>[Consult with the Rural Development State Energy Coordinator for level of documentation needed. Do not contact or mail form to the State Historic Preservation Officer (SHOP)]</i>	X

Application for Federal Assistance SF-424

Version 02

*1. Type of Submission		*2. Type of Application		*If Revision, select appropriate letter(s):	
<input type="checkbox"/> Preapplication		<input checked="" type="checkbox"/> New			
<input checked="" type="checkbox"/> Application		<input type="checkbox"/> Continuation		* Other (Specify)	
<input type="checkbox"/> Changed/Corrected Application		<input type="checkbox"/> Revision			

*3. Date Received:	4. Application Identifier:
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5a. Federal Entity Identifier:	*5b. Federal Award Identifier:
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State Use Only:

6. Date Received by State: NA	7. State Application Identifier: NA
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8. APPLICANT INFORMATION:

* a. Legal Name: La Mancha Winery & Vineyard, Inc.

* b. Employer/Taxpayer Identification Number (EIN/TIN): 95-6667788	*c. Organizational DUNS: 198674333
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d. Address:

*Street1: 1000 Scenic Rd.
 Street 2:
 *City: Hollister
 County: San Benito
 *State: CA
 Province:
 Country: U.S.A. *Zip/ Postal Code: 95023

e. Organizational Unit:

Department Name: Not applicable.	Division Name: Not applicable.
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: Mr.	First Name: Alphonzo
Middle Name: Luis	
*Last Name: Martinez	
Suffix:	

Title: President

Organizational Affiliation:

*Telephone Number: (831) 999-5555	Fax Number: (831) 999-6666
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*Email: Alphonzo@LaMancha.com

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type: - Select One -

Type of Applicant 2: Select Applicant Type:
- Select One -

Type of Applicant 3: Select Applicant Type:
- Select One -

*Other (specify):
Rural Small Business

*10. Name of Federal Agency:
Rural Business - Cooperative Service

11. Catalog of Federal Domestic Assistance Number:

CFDA 10.868

CFDA Title:

Renewable Energy Systems and Energy Efficiency Improvement Grants and Guaranteed Loans and Renewable Energy Feasibility Study Grants under the Rural Energy for America Program

*12. Funding Opportunity Number:

*Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

San Benito County

*15. Descriptive Title of Applicant's Project:

La Mancha Winery 24.4 KW-AC Photovoltaic Project

Attach supporting documents as specified in agency instructions.

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost		b. Costs Not Allowable for Participation		c. Total Allowable Costs (Columns a-b)	
1. Administrative and legal expenses	\$	.00	\$	.00	\$	0.00
2. Land, structures, rights-of-way, appraisals, etc.	\$	.00	\$	.00	\$	0.00
3. Relocation expenses and payments	\$	.00	\$	.00	\$	0.00
4. Architectural and engineering fees	\$	8,610.00	\$	.00	\$	8,610.00
5. Other architectural and engineering fees	\$	.00	\$	.00	\$	0.00
6. Project inspection fees	\$	2,000.00	\$	.00	\$	2,000.00
7. Site work	\$	.00	\$	.00	\$	0.00
8. Demolition and removal	\$	.00	\$	.00	\$	0.00
9. Construction	\$	12,072.00	\$	.00	\$	12,072.00
10. Equipment	\$	139,391.00	\$	.00	\$	139,391.00
11. Miscellaneous	\$	2,783.00	\$	.00	\$	2,783.00
12. SUBTOTAL (sum of lines 1-11)	\$	164,856.00	\$	0.00	\$	164,856.00
13. Contingencies	\$	.00	\$	.00	\$	0.00
14. SUBTOTAL	\$	164,856.00	\$	0.00	\$	164,856.00
15. Project (program) income	\$	.00	\$	.00	\$	0.00
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$	164,856.00	\$	0.00	\$	164,856.00
FEDERAL FUNDING						
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.		Enter eligible costs from line 16c Multiply X <u>25.00</u> %			\$	41,214.00

ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE President
APPLICANT ORGANIZATION La Mancha Winery & Vineyard, Inc.	DATE SUBMITTED May 14, 2010

REQUEST FOR ENVIRONMENTAL INFORMATION

Name of Project La Mancha Winery
Location Hollister, CA

- Item 1a.** Has a Federal, State, or Local Environmental Impact Statement or Analysis been prepared for this project?
 Yes No Copy attached as EXHIBIT I-A.
- 1b.** If "No." provide the information requested in Instructions as EXHIBIT I.
- Item 2.** The State Historic Preservation Officer (SHPO) has been provided a detailed project description and has been requested to submit comments to the appropriate Rural Development Office. Yes No Date description submitted to SHPO
- Item 3.** Are any of the following land uses or environmental resources either to be affected by the proposal or located within or adjacent to the project site(s)? (Check appropriate box for every item of the following checklist).

	Yes	No	Unknown		Yes	No	Unknown
1. Industrial.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	19. Dunes.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Commercial.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20. Estuary.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Residential.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	21. Wetlands.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Agricultural.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	22. Floodplain.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Grazing.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23. Wilderness..... (designated or proposed under the Wilderness Act)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Mining, Quarrying.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24. Wild or Scenic River..... (proposed or designated under the Wild and Scenic Rivers Act)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Forests.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25. Historical, Archeological Sites..... (Listed on the National Register of Historic Places or which may be eligible for listing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Recreational.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	26. Critical Habitats..... (endangered/threatened species)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Transportation.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27. Wildlife.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Parks.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	28. Air Quality.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Hospital.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29. Solid Waste Management.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Schools.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30. Energy Supplies.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Open spaces.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31. Natural Landmark..... (Listed on National Registry of Natural Landmarks)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Aquifer Recharge Area.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	32. Coastal Barrier Resources System.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Steep Slopes.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
16. Wildlife Refuge.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
17. Shoreline.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
18. Beaches.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Item 4. Are any facilities under your ownership, lease, or supervision to be utilized in the accomplishment of this project, either listed or under consideration for listing on the Environmental Protection Agency's List of Violating Facilities? Yes No

Signed: _____
 (Date) _____ (Applicant)
 Alphonzo Martinez, President

 (Title)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collections is 0575-0094. The time required to complete this information collection is estimated to average 6 to 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Tab B
Divider Page

Certifications 4280.111 (b) (1) (ii) A, B, D, E, F, G, H, I, J
(insert forms immediately after this divider page)

	"X" (enclosed) "NA" (not applicable)
AD 1049 Certification Regarding Drug Free Workplace Requirements (Grants) Alternative 1 – "For Grantees other than Individuals."	X
AD 1048 Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tiered Covered Transactions	X
Form SF-LLL Disclosure of Lobbying Activities, must be completed if the applicant or borrower has made or agreed to make payment using funds other than Federal appropriated funds to influence or attempt to influence a decision in connection with the application.	X
AD 1047 Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions	X
Form 400-1 Equal Opportunity Agreement	X
Form 400-4 Assurance Agreement	X
Intergovernmental comments in accordance with 7 CFR part 3015, subpart V, of this title.	NA in California
Certification Regarding Known Relationship or Association with an Agency Employee (<i>sample certification follows divider page</i>)	X
Certification Applicant Meets Definition of Demonstrated Financial Need (<i>sample certification follows divider page</i>)	X

U.S. DEPARTMENT OF AGRICULTURE

CERTIFICATION REGARDING DRUG-FREE WORKPLACE REQUIREMENTS (GRANTS) ALTERNATIVE I - FOR GRANTEEES OTHER THAN INDIVIDUALS

This certification is required by the regulations implementing Section 5151-5160 of the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V, Subtitle D: 41 U.S.C. 701 et seq.), 7 CFR Part 3017. Subpart F, Section 3017.600, Purpose. The January 13, 1989, regulations were amended and published as Part II of the May 25, 1990 Federal Register (pages 21681-21691). Copies of the regulations may be obtained by contacting the Department of Agriculture agency offering the grant.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON PAGE 3)

Alternative I

- A. The grantee certifies that it will or will continue to provide a drug-free workplace by:**
- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;**
 - (b) Establishing an ongoing drug-free awareness program to inform employees about -**
 - (1) The dangers of drug abuse in the workplace;**
 - (2) The grantee's policy of maintaining a drug-free workplace;**
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and**
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.**
 - (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);**
 - (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will -**
 - (1) Abide by the terms of the statement; and**
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;**
 - (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position**

title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted -

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;

(g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, State, zip code)

1000 Scenic Rd., Hollister, CA 95023

Check If there are workplaces on file that are not identified here.

La Mancha Winery & Vineyard, Inc.

La Mancha Winery 24.4 KW-AC Photovoltaic Project

Organization Name

Award Number or Project Name

Alphonzo Martinez, President

Name and Title of Authorized Representative

Signature

Date

U.S. DEPARTMENT OF AGRICULTURE

**Certification Regarding Debarment, Suspension, Ineligibility
and Voluntary Exclusion - Lower Tier Covered Transactions**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 7 CFR part 3017, Section 3017.510, Participants' responsibilities. The regulations were published as Part IV of the January 30, 1989, Federal Register (pages 4722-4733). Copies of the regulations may be obtained by contacting the Department of Agriculture agency with which this transaction originated.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

La Mancha Winery & Vineyard, Inc.

Organization Name

PR/Award Number or Project Name

Alphonzo Martinez, President

Name(s) and Title(s) of Authorized Representative(s)

Signature(s)

Date

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352
(See Reverse for public burden disclosure.)

1. Type of Federal Action: <input checked="" type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. Report Type: <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: La Mancha Winery & Vineyard, Inc. 1000 Scenic Rd., Hollister, CA 95023 Congressional District, if known: 17th District	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Congressional District, if known:	
6. Federal Department/Agency: USDA Rural Development	7. Federal Program Name/Description: Renewable Energy Systems and Energy Efficiency Improvement Grants and Guaranteed Loans and Renewable Energy Feasibility Study Grants under the Rural Energy for America Program CFDA Number, if applicable: 10.686	
8. Federal Action Number, if known:	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant <i>(If individual, last name, first name, MI):</i> None. Neither applicant or its employees are involved in lobbying.	b. Individuals Performing Services <i>(Including address if different from No. 10a)</i> <i>(last name, first name, MI):</i> Not applicable.	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature: _____ Print Name: <u>Alphonzo Martinez</u> Title: <u>President</u> Telephone No.: <u>(831) 999-5555</u> Date: _____	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

U.S. DEPARTMENT OF AGRICULTURE

**Certification Regarding Debarment, Suspension, and Other
Responsibility Matters - Primary Covered Transactions**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 7 CFR Part 3017, Section 3017.510, Participants' responsibilities. The regulations were published as Part IV of the January 30, 1989 Federal Register (pages 4722-4733). Copies of the regulations may be obtained by contacting the Department of Agriculture agency offering the proposed covered transaction.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) have not within a three-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

La Mancha Winery & Vineyard, Inc.

Organization Name

PR/Award Number or Project Name

Alphonzo Martinez, President

Name(s) and Title(s) of Authorized Representative(s)

Signature(s)

Date

Form AD-1047 (1/92)

EQUAL OPPORTUNITY AGREEMENT

This agreement, dated _____ between
La Mancha Winery & Vineyard, Inc.

(herein called "Recipient" whether one or more) and United States Department of Agriculture (USDA), pursuant to the rules and regulations of the Secretary of Labor (herein called the 'Secretary') issued under the authority of Executive Order 11246 as amended, witnesseth:

In consideration of financial assistance (whether by a loan, grant, loan guaranty, or other form of financial assistance) made or to be made by the USDA to Recipient, Recipient hereby agrees, if the cash cost of construction work performed by Recipient or a construction contract financed with such financial assistance exceeds \$10,000 - unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965.

1. To incorporate or cause to be incorporated into any contract for construction work, or modification thereof, subject to the relevant rules, regulations, and orders of the Secretary or of any prior authority that remain in effect, which is paid for in whole or in part with the aid of such financial assistance, the following "Equal Opportunity Clause":

During the performance of this contract, the contractor agrees as follows:

- (a) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited, to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the USDA setting forth the provisions of this nondiscrimination clause.
- (b) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- (c) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the USDA, advising the said labor union or workers' representative of the contractor's commitments under this agreement and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (d) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of all rules, regulations and relevant orders of the Secretary of Labor.
- (e) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, rules, regulations, and orders, or pursuant thereto, and will permit access to his books, records, and accounts by the USDA Civil Rights Office, and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (f) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by Law.
- (g) The contractor will include the provisions of paragraph 1 and paragraph (a) through (g) in every subcontract or purchase order, unless exempted by the rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the USDA may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the USDA, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0575-0018. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

2. To be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the organization so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.
3. To notify all prospective contractors to file the required 'Compliance Statement', Form RD 400-6, with their bids.
4. Form AD-425, Instructions to Contractors, will accompany the notice of award of the contract. Bid conditions for all nonexempt federal and federally assisted construction contracts require inclusion of the appropriate "Hometown" or "Imposed" plan affirmative action and equal employment opportunity requirements. All bidders must comply with the bid conditions contained in the invitation to be considered responsible bidders and hence eligible for the award.
5. To assist and cooperate actively with USDA and the Secretary in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and rules, regulations, and relevant orders of the Secretary, that will furnish USDA and the Secretary such information such as, but not limited to, Form AD-560, Certification of Nonsegregated Facilities, to submit the Monthly Employment Utilization Report, Form CC-257, as they may require for the supervision of such compliance, and that it will otherwise assist USDA in the discharge of USDA's primary responsibility for securing compliance.
6. To refrain from entering into any contract or contract modification subject to such Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and Federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by USDA or the Secretary of Labor pursuant to Part II, Subpart D, of the Executive Order.
7. That if the recipient fails or refuses to comply with these undertakings, the USDA may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the organization under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such organization; and refer the case to the Department of Justice for appropriate legal proceedings.

Signed by the Recipient on the date first written above.

Recipient

Recipient

(CORPORATE SEAL)

La Mancha Winery & Vineyard, Inc.

Name of Corporate Recipient

Attest:

Secretary

By _____
President

ASSURANCE AGREEMENT
(Under Title VI, Civil Rights Act of 1964)

The La Mancha Winery & Vineyard, Inc.
(name of recipient)
1000 Scenic Rd., Hollister, CA 95023
(address)

("Recipient" herein) hereby assures the U. S. Department of Agriculture that Recipient is in compliance with and will continue to comply with Title VI of the Civil Rights Act of 1964 (42 USC 2000d et. seq.), 7 CFR Part 15, and Rural Housing Service, Rural Business-Cooperative Service, Rural Utilities Service, or the Farm Service Agency, (hereafter known as the "Agency") regulations promulgated thereunder, 7 C.F.R. § 1901.202. In accordance with that Act and the regulations referred to above, Recipient agrees that in connection with any program or activity for which Recipient receives Federal financial assistance (as such term is defined in 7 C.F.R. § 14.2) no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination.

1. Recipient agrees that any transfer of any aided facility, other than personal property, by sale, lease or other conveyance of contract, shall be, and shall be made expressly, subject to the obligations of this agreement and transferee's assumption thereof.
2. Recipient shall:
 - (a) Keep such records and submit to the Government such timely, complete, and accurate information as the Government may determine to be necessary to ascertain our/my compliance with this agreement and the regulations.
 - (b) Permit access by authorized employees of the Agency or the U.S. Department of Agriculture during normal business hours to such books, records, accounts and other sources of information and its facilities as may be pertinent to ascertaining such compliance.
 - (c) Make available to users, participants, beneficiaries and other interested persons such information regarding the provisions of this agreement and the regulations, and in such manner as the Agency or the U. S. Department of Agriculture finds necessary to inform such persons of the protection assured them against discrimination.
3. The obligations of this agreement shall continue:
 - (a) As to any real property, including any structure, acquired or improved with the aid of the Federal financial assistance, so long as such real property is used for the purpose for which the Federal financial assistance is made or for another purpose which affords similar services or benefits, or for as long as the Recipient retains ownership or possession of the property, whichever is longer.
 - (b) As to any personal property acquired or improved with the aid of the Federal financial assistance, so long as Recipient retains ownership or possession of the property.
 - (c) As to any other aided facility or activity, until the last advance of funds under the loan or grant has been made.
4. Upon any breach or violation this agreement the Government may, at its option:
 - (a) Terminate or refuse to render or continue financial assistance for the aid of the property, facility, project, service or activity.
 - (b) Enforce this agreement by suit for specific performance or by any other available remedy under the laws of the United States or the State in which the breach or violation occurs.

Rights and remedies provided for under this agreement shall be cumulative.

In witness whereof, La Mancha Winery & Vineyard, Inc. on this
(name of recipient)
date has caused this agreement to be executed by its duly authorized officers and its seal affixed hereto, or, if a natural person, has hereunto executed this agreement.

(SEAL) _____ *Recipient*

_____ *Date*

Attest: _____ *President*

_____ *Title*

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0570-0018. The time required to complete this information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

**Certification Regarding Known Relationship
or Association with Rural Development Employees
4280.111(b)(1)(ii)(I)**

WHEREAS, La Mancha Winery & Vineyard, Inc. herein called the “Grantee”, intends to obtain assistance from the United States of America, acting through the U. S. Department of Agriculture, Rural Development, herein called “Rural Development”, acting under the provisions of the Renewable Energy Systems and Energy Efficiency Improvements Grant Program 4280-B regulations.

NOW THEREFORE, the Grantee hereby certifies the Grantee _____ does or X does not have a known relationship or association with a Rural Development employee(s). The name(s) and relationship with said Rural Development employee(s) follow: None (if applicable).

IN WITNESS WHEREOF, I have executed this certification on this _____ day of _____, 20_____.

La Mancha Winery & Vineyard, Inc.
Name of Applicant/Grantee

Alphonzo Martinez, President (Authorized Signature)

**Certification of Demonstrated Financial Need
4280.103**

WHEREAS, La Mancha Winery & Vineyard, Inc. herein called the “Grantee”, intends to obtain assistance from the United States of America, acting through the U. S. Department of Agriculture, Rural Development, herein called “Rural Development”, acting under the provisions of the Renewable Energy Systems and Energy Efficiency Improvements Grant Program 4280-B regulations.

NOW THEREFORE, the Grantee hereby certifies the Grantee is unable to finance the project from its own and commercially available resources without assistance, or that the project proposed by the Grantee cannot achieve the income and cashflow to sustain it financially over the long term without grant assistance. Grantee understands and agrees that Rural Development may request the applicant to provide sufficient information to allow Rural Development to make its own determination of the Grantee’s financial need.

IN WITNESS WHEREOF, I have executed this certification on this ___ day of _____, 20__.

La Mancha Winery & Vineyard, Inc.
Name of Applicant/Grantee

Alphonzo Martinez, President (Authorized Signature)

Tab C Divider Page	
Legal Organizational Documents 4280.111 (b) (1) (iii) (List below legal organizational documents and investor contracts and insert after this divider page)	
"X" (Enclosed)	
Articles of Incorporation	X

**INSERT ARTICLES OF INCORPORATION FOR
LA MANCHA WINERY & VINEYARD, INC.**

REAP – Simplified Application for Renewable Energy Grant

Tab D Divider Page		
Project Summary 4280.111 (b) (3) (i) through (v) (Insert forms immediately after this divider page)		
	Please indicate with "X" (enclosed)	
Title of the project	X	
Applicant Eligibility (as per 4280.107)	X	
Project Eligibility (as per 4280.108)	X	
Operation Description	X	
Financial Information for Size Determination	X	
Documentation of commercially available technology (Vendor Brochures, Equipment Specification Sheets and Warranty Information)	D-1	X
Third party contracts for management and maintenance <i>(if applicable)</i>		NA
Evidence of site control (Grant Deed)	D-2	X
Size Standard Documentation (Payroll Check Register)	D-3	X
Documentation revenue sufficient to maintain and operate system (2008 Corporate Tax Return)	D-4	X

Applicant Name La Mancha Winery & Vinyard, Inc.

Title of Project La Mancha Winery 24.4 KW-AC Photovoltaic System

Type of Technology Renewable Energy or Energy Efficiency

Indicate with "X" statements that are applicable and "NA" statements not applicable

1. _____ **If applying** as an Agricultural Producer – more than 50% of the Applicant's income is from agricultural production as explained in "Financial Information for Size Determination" and as documented in the attached tax return(s).
2. X **If applying** as a Rural Small Business – the business is "rural" as explained in "Project Eligibility – item 5" and the business meets SBA's "small business" criteria as explained in "Financial Information for Size Determination" and as documented in the attached tax return(s).
3. _____ **If applying** as an individual for a renewable energy/energy efficiency project, the individual(s) are citizens of the United States or reside in the United States after being legally admitted for permanent residence.
4. X **If applying** as an entity for a renewable energy/energy efficiency project, the entity is at least 51percent owned, directly or indirectly, by individuals who are either citizens of the United States or reside in the United States after being legally admitted for permanent residence.

Indicate if statement is either "True" or "False"

5. True The Applicant has no outstanding judgment from Federal court, is not delinquent on federal income taxes or federal debt, and has not been debarred from receiving federal assistance.
6. True The Applicant has certified that Applicant has a demonstrated financial need for the grant being sought, said certification is included in the application under Tab B.
7. False Applicant has received a Section 9006 or 9007 grant in prior years.
If the answer is *true* – please indicate the year _____, type of project _____ and current stage of development _____.

1. Type of Technology Renewable Energy or Energy Efficiency

The project description is: **Project consists of a roof mounted, 24.4 KW-AC Solar PV system that will be net metered with PG&E's power grid. The project will produce approximately 37,788 kwh annually, which will replace 79.4% of the electricity being used by the Winery.**

2. The project is for Commercially available and replicable technology
 Pre-Commercial and replicable technology

Proposed project will employ only commercially available technology. The design is well established as are the installation procedures and practices. Professional service providers, trades, large construction equipment providers, and labor are familiar with installation procedures and practices. Proprietary and balance of system equipment and spare parts are readily available. Service is also readily available to properly maintain and operate the system. An established warranty exists for parts, labor, and performance.

Pre-commercial technology – Technologies that have emerged through the research and development process and have technical and economic potential for commercial application, but are not yet commercially available.
Commercially available - A system that has a proven operating history specific to the proposed application. Such a system is based on established design, and installation procedures and practice. Professional service providers, trades, large construction equipment providers, and labor are familiar with installation procedures and practices. Proprietary and balance of system equipment and spare parts are readily available. Service is readily available to properly maintain and operate system. An established warranty exists for parts, labor, and performance.

Answer "Yes" or "No"

3. Yes Documentation is attached to support the commercial availability of the technology in my application.
4. Yes The project has technical merit as demonstrated in the Technical Report, which follows Tab G of this application.
5. Yes The project is located in a rural area, as defined in 4280.103.
The Project will be located in Hollister.
The address is 1000 Scenic Rd., Hollister, CA.
The most recent decennial population census of the project location is 34,413. The project is or X is not located in an urbanized area.

Definition of rural: Any area other than a city or town that has a population of greater than 50,000 inhabitants and the urbanized area contiguous and adjacent to such a city or town according to the latest decennial census of the U.S.

The owner of the project is La Mancha Winery & Vineyard, Inc.

Answer "Yes" or "No"

6. Yes The owner of the project is the same entity as the Applicant.
7. No A third party is going to be under contract (copy of contract attached) to control revenues and expenditures and operate/maintain the project.
9. Yes Applicant will control the site where the project will be located - for the useful life of the proposed technology.
10. Yes Attached is documentation showing Applicant's control of the project site.
11. Yes Applicant has satisfactory sources of revenue in an amount sufficient to provide for the operation, management, maintenance, and debt service of the project – for the life of the project

(1) Describe the Applicant's total farm/ranch/business operation and the relationship of the proposed project to the Applicant's total farm/ranch/business operation (for example, "this project will be sited on my farmland and will be used to produce income through the sale of wind-generated electricity").

Established in 1985 and incorporated in 2006, La Mancha Winery & Vineyard, Inc. is a family owned enterprise with 100 acres of mature vines under cultivation, including 40 acres planted before 1900. Principal grape varieties include Zinfandel, Negrette, Viognier and Cabernet Franc. Last year the enterprise generated \$850,000 in revenue from sale of the winery's premium wines. The company has 8 FTE employees.

The solar panels will be mounted on the roof of the winery, which is an 8,000 s/f, single story structure, owned by La Mancha Winery & Vineyard, Inc. The building is solar ready. It has gone through an energy audit, is well insulated, and has a good orientation to have solar panels. Electricity produced by the proposed system will offset the electricity currently being used by the winery to keep its inventory cool and it will also offset the electricity used in the tasting room and in the company's offices.

(2) Provide a description of the ownership of the Applicant, including a list of individuals and/or entities with an ownership interest, names of any parent company, affiliates, and subsidiaries, as well as a description of the relationship, including products, between these entities.

The applicant is organized as a corporation with officers and ownership as follows:

Alphonzo Martinez , President and 35% shareholder;

Gloria Martinez , Vice Present and 35 % shareholder;

Mario Martinez, Treasurer and 15% shareholder;

Mercedes Martinez, Secretary and 15% shareholder.

Alphonzo and Gloria are husband and wife. Alphonzo is the vintner and is responsible for the day-to-day management of the company. Mario and Mercedes are the adult children of Alphonzo and Gloria. The applicant has no affiliates or subsidiaries.

Attached is financial information to allow the Agency to determine the Applicant's size. All information submitted under this paragraph has been substantiated by authoritative records. Financial size will determine the number of points the Applicant is eligible to receive – for scoring criteria #6 – Small agricultural producer – or – Very Small Business. Voluntarily providing tax returns is one means of satisfying this requirement and providing documentation for scoring criteria #6.

IRS forms submitted are as follows (please check as applicable):

- IRS form(s) 1120 – "C" Corporation
- IRS form(s) 1120S – "S" Corporation
- IRS form(s) 1065 – Partnership, LLC, LLP
- IRS Schedule(s) F – Farming (sole proprietorship)
- IRS Schedule(s) C – Business (sole proprietorship)
- IRS Form(s) 1040 - Individual

1. **Complete this section if applying as an agricultural producer** (An "agricultural producer" is directly engaged in the production of agricultural products including crops, livestock, forestry products, hydroponics, nursery stock, or aquaculture, whereby 50% or more of Applicant's gross income is derived from operations.)

The Applicant's business is engaged in the following type of agricultural production: **(Not Applicable)**

As demonstrated below, 50% or more of the Applicant's gross income is derived from the production of agricultural products, including crops, livestock, forestry, hydroponics, nursery stock, or aquaculture.

Gross market value of Applicant's agricultural products in immediately previous year	Total annual gross receipts from agricultural production in immediately previous year	Total annual nonfarm income from all other sources (including nonfarm income and custom work) in immediately previous year	Year of these receipts	Source of Data
\$	\$	\$		IRS – filed tax returns

REAP – Simplified Application for Renewable Energy Grant

Or

2. Complete the appropriate section below if Applicant is applying as a rural small business. (A “small business” must satisfy the definition as set forth in the Small Business Administration’s size standards.)

The NAICS code that best describes the Applicant’s business is 312130, which is the NAICS code for “Winery” business category.

(A) As demonstrated below, Applicant’s business (including parent, affiliates, and subsidiaries) combined average annual gross receipts over the past three years does not exceed SBA’s size standard of \$ (Not applicable)

Name of Business	Relationship to Applicant	Annual gross receipts Yr	Annual gross receipts Yr	Annual gross receipts Yr	3 years average annual gross receipts	Source of data (e.g. tax returns)
	Applicant	\$	\$	\$		
	Parent of Applicant	\$	\$	\$		
	Subsidiary of Applicant	\$	\$	\$		
	Affiliate of Applicant	\$	\$	\$		
Total		\$	\$	\$	\$	

Or

(B) As demonstrated below, the Applicant’s business (including parent, affiliates, and subsidiaries) combined number of full time equivalent employees is less than 500.

Name of Business	Relationship to Applicant	# FTE employees in immediately previous year	Year	Source of data (e.g. payroll)
La Mancha Winery & Vineyard	Applicant	xx	2009	Payroll Records
NA	Parent of Applicant			
NA	Subsidiary of Applicant			
NA	Affiliate of Applicant			
Total		xx		

Or

(C) As demonstrated below, the Applicant’s business (including parent, affiliates, and subsidiaries) combined total electric output for the preceding fiscal year did not exceed 4 million megawatt hours. **(Not applicable)**

Name of Business	Relationship to Applicant	Total Electric Output (MW)	Year	Source of data
	Applicant			
	Parent of Applicant			
	Subsidiary of Applicant			
	Affiliate of Applicant			
Total				

The undersigned hereby certifies that the above information is true and correct.

La Mancha Winery & Vineyard, Inc.

Alphonzo Martinez, President

EXHIBIT D-1

**INSERT VENDOR'S DESCRIPTION OF SOLAR PANELS,
INVERTERS AND OTHER MAJOR SYSTEM COMPONENTS,
INCLUDING TECHNICAL SPECIFICATIONS AND
WARRANTY INFORMATION**

EXHIBIT D-2

**INSERT COPY OF GRANT DEED SHOWING PROJECT
PROPERTY IS OWNED AND CONTROLLED BY
LA MANCHA WINERY & VINEYARD, INC.**

EXHIBIT D-3

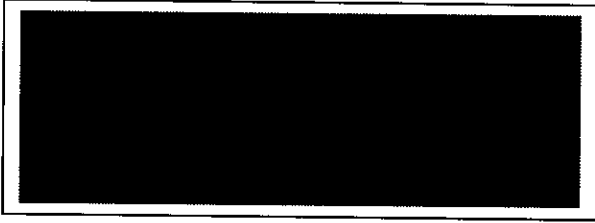
**INSERT COPY OF PAYROLL REGISTER
SHOWING NUMBER OF INDIVIDUALS EMPLOYED BY
LA MANCHA WINERY & VINEYARD, INC.**

EXHIBIT D-4

**INSERT COPY OF CORPORATE TAX RETURN FOR
LA MANCHA WINERY & VINEYARD, INC.**

Tab E Divider Page	
Matching Funds Documentation 4280.111 (b) (5)	
A spreadsheet identifying sources of matching funds, amounts and status of matching funds. The spreadsheet will also include a directory of matching funds source contact information. <i>(Sample spreadsheet follows divider page)</i>	X
Attach Lender Letters of Commitment (a letter of intent is not a commitment), applicant's bank statement to evidence available cash-on-hand, and other documentation for the matching funds identified in the spreadsheet.	X
If firm commitments are not yet available, attach any applications, correspondence, or other written communication between Applicant and matching fund sources.	NA

Without specific statutory authority, other Federal grant awards and applicant in-kind contributions cannot be used to meet the matching fund requirement. Third-party, in-kind contributions are limited to 10% of the matching fund requirement of the grant. The Agency will advise if the third-party, in-kind contributions are acceptable in accordance with 7 CFR part 3015.



REAP – Simplified Application for Renewable Energy Grant

La Mancha Winery & Vineyard, Inc.
 Matching Funds Commitment Documentation Spreadsheet
 Title of Project: La Mancha Winery 24.4 AC Photovoltaic Project
 Total Cost: \$164,856

	Source of Funds	Contact Name Phone Email	Dollars	Commitment Letter attached
1	Section 9007 Grant	Rural Development State Office Philip Brown, Energy Coordinator (530) 792-5811 phone phil.brown@ca.usda.gov	\$ 41,214	Pending award of grant
2	Applicant funds	N/A	\$	
3	Lending Institution Loan	Joseph Hooper Rabo Bank – VP Commercial Business (831) 777-1111 Joseph.hooper@rabobank.com	\$ 100,142	Commitment Letter attached Exhibit E-1
4	CSI Rebate	CSI Program Administration (415) 973-3480	\$ 23,500	Reservation Request and Contract attached Exhibit E-2
6			\$	
7			\$	
			Total Project Cost	\$ 164,856
				(Should match total project cost on SF 424C located behind Tab A)

Note: Applicant will use its cash reserve to fund the cost of project improvements pending receipt of the Section 9007 Grant and CSI Rebate. (See attached bank statement, Exhibit E-3, for evidence of sufficient cash reserve.)

EXHIBIT E-1

INSERT BANK COMMITMENT LETTER

EXHIBIT E-2

**INSERT CSI RESERVATION REQUEST, PROGRAM
CONTRACT AND BRIEF DESCRIPTION OF PROGRAM**

EXHIBIT E-3

INSERT BANK STATEMENT

Tab F Divider Page	
Self Evaluation Score 4280.111 (b) (6)	
Self-score the project using the evaluation criteria 4280.112 (e). <i>Use Appendix C to 4280-B – Scoring Guideline to complete the evaluation.</i>	X
To justify the score, submit the total score along with appropriate calculations and attached documentation , or specific cross-references to information elsewhere in the application.	

Name of Applicant: La Mancha Winery & Vineyard, Inc.

Name of Project: La Mancha Winery 24.4 KW-AC Photovoltaic System

Type of Technology: Photovoltaic (Solar Electric)

Funding Request: \$41,214.00

Final Total Score – sum of all categories below (1 through 9): 94.7

(This is your opportunity to “self-score” your proposal and to draw attention to the particular strengths of your project that should be taken into consideration by Rural Development’s independent reviewers when they complete the official score that will be used to rank your request for funds. Be sure that your self-scoring claims are justified by documentation that is included within your Sec. 9007 application. Your Technical Report, Energy Assessment/Audit and Feasibility Study, as appropriate, are the primary supporting documents for your assertions and the applicable sections should be specifically referenced as appropriate. Additional sources may be cited too when applicable, and if so, they should be attached or referenced.)

(1) Quantity of Energy Replaced or Produced

(Renewable energy project points may only be awarded for one category – A or C. Award yourself 0, 5, 10, or 15 points based on your justification.)

(A) Energy replacement	Points
If the proposed renewable energy system is intended primarily for self use by the agricultural producer or rural small business, and will provide energy replacement of: Greater than 0 but equal to or less than 25%, award 5 points.	<u>15</u>
Greater than 25% but equal to or less than 50%, award 10 points.	
Greater than 50%, award 15 points.	
<p><i>Determine energy replacement by dividing the estimated quantity of renewable energy to be generated over a 12-month period by the estimated quantity of energy consumed over the same 12-month period during the previous year by the applicable energy application. The estimated quantities of energy must be converted to British thermal units (BTU's), Watts, or similar energy equivalents to facilitate scoring. If the estimated energy produced equals more than 150% of the energy requirements of the applicable process(es), score the project as an energy generation project.</i></p>	

Justification: The proposed project will install a 24.4 KW-AC PV system to be net metered into PG&E's power grid. The project will replace energy being used by the winery's warehouse, tasting room and offices. According to 12 months of billings, applicant's energy use from January '09 through December '09 was 47,564 kwh (see Tab F, Exhibit F-1, p 37). The 24.4 KW-AC PV system will produce 38,089 kwh annually (see Tab G, Exhibit (c) 2, p 49). Energy replacement is calculated as follows: $38,089\text{kwh}/47,564\text{ kwh} = 80\%$.

(2) Environmental benefits

(Award yourself 0-10 points based on your justification)

<p>Environmental benefits. If the purpose of the proposed system contributes to the environmental goals and objectives of other Federal, State, or local programs, award 10 points.</p>	<p>Points <u>10</u></p>
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Justification: This project will contribute to the environmental goals and objectives of California as evidenced by a letter of support from the California Energy Commission and a letter of endorsement from the Resource Conservation District of San Benito County. (See Tab F, Exhibit F-2, p 38, and Exhibit F-3, p 39.)

(3) Commercial availability

(Award yourself 0, 5 or 10 points based on your justification.)

<p>Commercial availability. If the proposed system or improvement is currently commercially available and replicable, award 5 points.</p>	<p>Points</p>
<p>If the proposed system or improvement is commercially available and replicable and is also provided with a 5-year or longer warranty providing the purchaser protection against system degradation or breakdown or component breakdown, award 10 points.</p>	<p><u>10</u></p>

Justification: As indicated in the Project Summary (Tab D, Project Eligibility), this \$9007 project will use commercially-available technology. The proposed \$9007 energy improvements, including installation, will be covered by 5-year or longer warranties. Warranty information is included under Tab D, Exhibit D-1, beginning on p 23.

(4) Technical Merit

(Award yourself 0 to 3.5 points based on your justification.)

<p>(A) Qualifications of the project team. The applicant has described the project team service providers, their professional credentials, and relevant experience. The description supports that the project team service, equipment, and installation providers have the necessary professional credentials, licenses, certifications, or relevant experience to develop the proposed project. Maximum possible score 3.5 points.</p>	<p>Points <u>3.5</u></p>
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Justification: The qualifications of the project team are contained in Section “a” of the Technical Report (Tab G). In this regard, the following strengths of the team should be noted: WSI has installed several dozen commercial solar PV systems and the Project Director for this project is a licensed engineer with over 12 years of experience in the field. See Tab G, Exhibit (a) 1, p 41 and Exhibit (a) 2, p 42 for a copy of the contractor’s license and a copy of the Project Director’s resume.

(Award yourself 0 to 1.75 points based on your justification.)

<p>(B) Agreements and Permits. The applicant has described the necessary agreements and permits required for the project and the schedule for securing those agreements and permits. Maximum possible score 1.75 points.</p>	<p>Points <u>1.75</u></p>
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Justification: The agreements and permits required for this project are discussed in Section “b” of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: WSI has entered into a Contract with La Mancha Winery & Vineyard, Inc. and the County of San Benito has issued a Building Permit for the proposed solar PV system. See Tab G, Exhibits (b) 1, beginning on p 44, and Exhibit (b) 2, p 45 for a copy of the contract and a copy of the Building Permit.

(Award yourself 0 to 3.5 points based on your justification.)

<p>(C) Energy or Resource Assessment. The applicant has described the quality and availability of a suitable renewable resource or an assessment of expected energy savings for the proposed system. Maximum possible score 3.5 points.</p>	<p>Points <u>3.5</u></p>
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Justification: The energy assessment for this project's expected energy replacement are discussed in Section "c" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: Utilizing the Solmetric Suneye tool, WSI has determined that the array location has a 96% annual solar availability. This information has been inputted in the CSI EPBB Calculator, which also references location, azimuth and tilt, to determine that the array will produce 38,089 kwh annually. This number was verified with a second calculation using NREL's PV Watts tool, which indicated the system would produce 38,453 kwh annually. See Tab G, Exhibit (c) 1, p 48 for the Solar Access Shade Report; Exhibit (c) 2, p 49 for the CSI EPBB calculation; Exhibit (c) 3, p 50 for the PV Watts calculation.

(Award yourself 0 to 10.5 points based on your justification.)

<p>(D) Design and Engineering. The applicant has described the design, engineering, and testing needed for the proposed project. The description supports that the system will be designed, engineered, and tested so as to meet its intended purpose, ensure public safety, and comply with applicable laws, regulations, agreements, permits, codes, and standards. Maximum possible score 10.5 points.</p>	<p>Points <u>10.5</u></p>
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Justification: The design and engineering requirements for this project are discussed in Section "d" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: WSI's examination of the roof indicates it will have a minimum useful life of 20 years and will be suitable for a roof mounted solar PV system of the size being proposed. The array location plus its tilt of 25 degrees to South West 225 degrees is ideal for energy production in this region. See Tab G, Exhibit (d) 1, p 53 for a map showing the project's location; Exhibit (d) 2, p 54 for a site map; Exhibit (d) 3, p 55 for the one-line electrical diagram; Exhibit (d) 4, p. 56 for a schematic diagram showing structural improvements; and Exhibit (d) 5, p 57 for site photos. As previously referenced, an additional strength is that San Benito County has reviewed the project's design and engineering and has issued a building permit (see Tab G, Exhibit (b) 2, 45).

(Award yourself 0 to 1.75 points based on your justification.)

<p>(E) Project Development Schedule. The applicant has described the development method, including the key project development activities and the proposed schedule for each activity. The description identifies each significant task, its beginning and end, and its relationship to the time needed to initiate and carry the project through to successful completion. The description addresses grantee or borrower project development cash flow requirements. Maximum possible score 1.75 points.</p>	<p>Points <u>1.75</u></p>
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Justification: The project development schedule aspects of this project are discussed in Section "e" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: The project has been in development since March 2009 and both parties entered into agreement in September 2009. The system has been fully designed, a building permitting has been obtained and materials have been ordered.

(Award yourself 0 to 7 points based on your justification.)

<p>(F) Project Economic Assessment. The applicant has described the financial performance of the proposed project, including the calculation of simple payback. The description addresses project costs and revenues, such as applicable investment and production incentives, and other information to allow the assessment of the project's cost effectiveness. Maximum possible score 7.0 points.</p>	<p>Points <u>5.6</u></p>
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Justification: An economic assessment of this project is contained in Section "f" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: Utilizing all available incentives, the project will see applicant's investment being repaid in 5.2 years (see Exhibit (f) 1, p 60). Applicant has demonstrated they have sufficient cash in the bank to fund the project and that waiting until completion of construction before receiving funding from CSI and the REAP program will not create a cash flow problem (see Tab E, Matching Funds, p 27). The system will provide permanent savings to La Mancha Winery & Vineyard, Inc. and will enable the winery to more profitably produce its wines for years to come.

(Award yourself 0 to 1.75 points based on your justification.)

<p>(G) Equipment Procurement. The applicant has described the availability of the equipment required by the system. The description supports that the required equipment is available, and can be procured and delivered within the proposed project development schedule. Maximum possible score 1.75 points.</p>	<p>Points <u>1.75</u></p>
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Justification: The equipment procurement requirements of this project are contained in Section "g" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: All materials have been ordered and the installation is scheduled to begin once materials have been received.

(Award yourself 0 to 1.75 points based on your justification.)

<p>(H) Equipment Installation. The applicant has described the plan for site development and system installation. Maximum possible score 1.75 points.</p>	<p>Points <u>1.4</u></p>
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Justification: The equipment installation requirements of this project are contained in Section "h" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: WSI has 9 years of installation experience and the lead consultant on this project has 12 years of experience.

(Award yourself 0 to 1.75 points based on your justification.)

<p>(I) Operations and Maintenance. The applicant has described the operations and maintenance requirements of the system necessary for the system to operate as designed over the design life. Maximum possible score 1.75 points.</p>	<p>Points <u>1.4</u></p>
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Justification: The O&M requirements of this project are contained in Section "i" of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: With little to no moving parts, O&M consists of periodical rinsing of the PV system which will be done by the maintenance crew at La Mancha Winery & Vineyard, Inc. All components come with a warranty.

(Award yourself 0 to 1.75 points based on your justification.)

<p>(J) Dismantling and disposal of project components. The applicant has described the requirements for dismantling and disposing of project components at the end of their useful lives and associated wastes. Maximum possible score 1.75 points.</p>	<p>Points <u>1.75</u></p>
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Justification: The decommissioning requirements of this project are contained in Section “j” of the Technical Report (Tab G). In this regard, the following strengths of this project should be noted: There are no hazardous materials involved and every component will be recyclable and have value at the end of its “useful” life.

(Total all of the recommended scores in “A” through “J” above.)

<p>Technical Merit Subtotal (Maximum possible Technical Merit subtotal score 35 points) The sum of the above recommend technical merit scores is:</p>	<p>Points <u>32.9</u></p>
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(5) Readiness

(Award yourself 0, 5, 10, or 15 points based on your justification.)

<p>Readiness Applicant has written commitments from the source(s) confirming commitment of: 50% up to, but not including, 75% of the matching funds, award 5 points. 75% up to, but not including, 100% of the matching funds, award 10 points. 100% of the matching funds, award 15 points.</p>	<p>Points <u>15</u></p>
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Justification: The funding sources for this \$9007 project are set forth in the matching funds spreadsheet (see Tab E, Matching Funds, p 27). As indicated on the spreadsheet, 100% of the financing has been arranged as evidenced by a Bank Loan Commitment (see Tab E, Exhibit E-1, p 28) and applicant’s bank statement (see Tab E, Exhibit E-3, p 29).

(6) Small Agricultural Producer/Very Small Rural Business

(Award yourself 0, 5, or 10 points based on your justification.)

<p>Applicant size. The applicant is an agricultural producer producing agricultural products with a gross market value of less than \$600,000 in the preceding year, award 5 points.</p>	<p>Points <u>10</u></p>
<p>The applicant is an agricultural producer producing agricultural products with a gross market value of less than \$200,000 in the preceding year, award 10 points.</p>	
<p>The applicant is a Very Small Rural Business as defined in 4280.103 (a business with less than 15 employees and less than \$1 million in annual receipts), award 10 points.</p>	

Justification: Applicant is a Very Small Business. The winery has 6 FTE employees and annual gross receipts last year totaled only \$940,000 (see Tab D, Exhibit D-3, p 25 for company’s Payroll Check Register; and Tab D, Exhibit D-4, beginning on p 26 for applicant’s corporate tax return.

(7) Simplified application

(If you are using this template and your project's total cost is ≤\$200,000, you can claim the 5 “simplified application” points.)

Simplified application. If an applicant is eligible for and uses the simplified application process or if the project has total eligible project costs of \$200,000 or less, award 5 points.	Points 5
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Justification: This §9007 application is for a project with total eligible costs of \$164,856. The project meets all §9007 criteria for a “simplified application”.

(8) Previous grantees and borrowers

(If you have not received a previous §9006 or §9007 award, you can claim 5 points.)

Previous award. If the applicant has not been awarded a grant or loan under this program within the 2 previous Federal fiscal years, award 5 points.	Points 5
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Justification: The applicant hereby affirms that it has not been awarded a grant or loan under the §9006 or §9007 program within the two previous federal fiscal years.

(9) Return on investment

(Award yourself 0, 2, 4, or 10 points based on your justification.)

Payback. The proposed project will return the cost of investment in Less than 4 years, award 10 points.	Points 0
4 years up to but not including 8 years, award 4 points.	
8 years up to 11 years, award 2 point.	

Justification: The Technical Report, Tab G, indicates a simple payback for the cost of the proposed energy improvements at 27.6 years. Calculation: \$164,856 (Total Project Cost) / \$5,980 (Avoided Energy Expense). Avoided Energy Expense is based on the PV system’s annual projected production of kwh x average cost kwh/hr actually incurred last year. See Tab G, p 59 for detailed calculation.

(10) Loan Rate (Guaranteed Loans only)

(Award yourself 0, 5, or 10 points based on your justification.)

If the rate of the loan is below the Prime Rate (as published in the Wall Street Journal) plus 1.5% percent, award 5 points	Points 0
If the rate of the loan is below the Prime Rate (as published in the Wall Street Journal) plus 1 percent, award 10 points.	

Justification: NA

TOTAL SELF-EVALUATION SCORE

(Add up all of the priority score categories and enter the sum.)

Total Score (Maximum possible score 120 points)	Points
The sum of the above recommended scores is:	94.7

EXHIBIT F-1

**INSERT SUMMARY FOR 1 YEAR (12 consecutive months) OF
ELECTRICITY BILLS, INCLUDING AMOUNT PAID FOR
ELECTRICITY**

EXHIBIT F-2

**INSERT ENDORSEMENT LETTER FROM CALIFORNIA
ENERGY COMMISSION (copy available upon request from Rural
Development State Office)**

EXHIBIT F-3

**INSERT LETTER OF SUPPORT FROM SAN BENITO
COUNTY RESOURCE DISTRICT (sample language for letter of
support is available upon request from Rural Development
State Office)**

Tab G	
Divider Page	
Technical Report (required of every project) <i>4280.111 (b) (7) (i) (A) and (C)</i>	
The Technical Report must be prepared in accordance with Appendix A , for projects with total eligible project costs of \$200,000 or less.	X
The Technical report must demonstrate that the renewable energy system or energy efficiency improvement project can be installed and perform as intended in a reliable, safe, cost effective, and legally compliant manner.	X
All information provided in the Technical Report will be evaluated against the requirements provided in Appendix A of this subpart. Any Technical Report not prepared in the following format and in accordance with Appendix A, where applicable, will be penalized under scoring for technical merit.	X
Project Development Schedule	
(A) Qualifications of the project team -The applicant has described the project team service providers, their professional credentials, and relevant experience. The description supports that the project team service, equipment, and installation providers have the necessary professional credentials, licenses, certifications, or relevant experience to develop the proposed project.	X
(B) Agreements and Permits -The applicant has described the necessary agreements and permits required for the project and the schedule for securing those agreements and permits.	X
(C) Energy or Resource Assessment -The applicant has described the quality and availability of a suitable renewable resource, or an assessment of expected energy savings for the proposed system.	X
(D) Design and Engineering -The applicant has described the design, engineering, and testing needed for the proposed project. The description supports that the system will be designed, engineered, tested so as to meet its intended purpose, ensure public safety, and comply with applicable laws, regulations, agreements, permits, codes, and standards.	X
(E) Project Development Schedule -The applicant has described the development method including the key project development activities and the proposed schedule for each activity. The description identifies each significant task, its beginning and end, and its relationship to the time needed to initiate and carry the project through to successful completion. The description addresses applicant or borrower project development cash flow requirements.	X
(F) Project Economic Assessment -The applicant has described the financial performance of the proposed project, including the calculation of simple payback. The description addresses project costs and revenues, such as applicable investment and production incentives and other information to allow the assessment of the project's cost effectiveness.	X
(G) Equipment Procurement - The applicant has described the availability of the equipment required by the system. The description supports that the required equipment is available, and can be procured and delivered within the proposed project development schedule.	X
(H) Equipment Installation -The applicant has described the plan for site development and system installation.	X
(I) Operations and Maintenance -The applicant has described the operations and maintenance requirements of the system necessary for the system to operate as designed over the design life.	X
(J) Dismantling and disposal of project components -The applicant has described the plan for dismantling and disposing of project components at the end of their useful lives and associated wastes.	X

Technical Report – Large Solar Project
 (Documents/information highlighted in "blue" exceed minimum requirements in RD Instruction 4280-B Appendix A - Large Solar Projects)

A. Qualifications of the Project Team

- a. World Solar Inc. (WSI), a C-10 licensed electrical contractor located in Santa Clara, will be the developer of this project delivering a turnkey photovoltaic system to La Mancha Winery & Vineyard. WSI will be responsible for all phases of the project’s implementation, including: design and engineering, permitting, purchase of materials, construction/installation, start-up, testing and interfacing with the local utility.
- b. Jim Baker, Project Director, will supervise the installation and start-up of the system and will also be the primary person facilitating the entire development process from start to finish, including assisting La Mancha Winery & Vinyard, Inc. in procuring financing, grant(s) and rebate(s). He holds a contractor’s license, a degree in Engineering from Cal Poly, and has 12 years of experience installing similar PV systems. Mr. Baker’s last manufacturer’s workshop attended was September 2009. (Jim Baker’s resume is attached.)
- c. WSI was formed in 2001 and has installed over 200 PV residential solar systems and several dozen commercial PV systems in the Bay Area.. WSI currently has 3 similar commercial scale projects underway totaling over 95 KW, which will be completed during Q2 of 2010.

Similar Types of Installations by WSI

Size KW	Business Type	Business Name	Years of Operation
40.5	Agricultural	Aromas Greenhouse	7
24.1	Small Business	Super Save Mrkt	6
22.0	Small Business	John’s Bait Shop	6
32.5	Agriculture	B&B Strawberries	4
45.6	Agriculture	Seaside Pastures	3
29.8	Small Business	Hollister Packing	2

- d. Solar panels will be purchased from Suntech and the inverter from Satcon. Established in 2001, Suntech is one of the largest solar energy companies in the world with sales offices and installation partners in North America, Europe, Asia and Australia. Satcon is also an multinational company and a leader in its field with over 24 years of experience. These two vendors were selected after quotations and product information from a number of vendors were received and analyzed.

EXHIBIT (a) 1

INSERT COPY CONTRACTOR'S LICENSE

EXHIBIT (a) 2

INSERT COPY PROJECT DIRECTOR'S RESUME

B. Agreements and Permits

- a. The following are the necessary agreements and permits for execution of the proposed project. The agreements and permits required for this project have been obtained for many of WSI's prior installations. No unusual or special permits are required for this project. Necessary permits and agreements are detailed in the following table:

Agreement/Permit	Schedule	Comments
WSI Contract	Executed 9/10/09	Copy of contract attached as Exhibit (b) 1.
Combined Electrical and Building Permit	Submitted to San Benito County 11/13/09 – Approval received 2/3/10	Copy of permit attached as Exhibit (b) 2.
Grid Tie Agreement	1 week to obtain following completion of PV system	Copy of unexecuted, standard agreement attached as Exhibit (b) 3.
Self Generation Incentive Agreement (CA Solar Initiative)	1 week to obtain following completion of PV system	Sample application attached under Tab E, Exhibit E-2.

- b. The project site is zoned C-2 (Neighborhood Commercial) and installation of roof mounted solar panels is a permitted activity. The project site is not located in a flood hazard area and no environmental impacts or concerns are associated with the installation and operation of the proposed Solar PV system. (Attached at the end of the Technical Report is applicant's certification that it will obtain all necessary agreements and permits required for the project.)

EXHIBIT (b) 1

INSERT COPY WSI CONTRACT

EXHIBIT (b) 2

**INSERT COPY OF SAN BENITO COUNTY
BUILDING PERMIT**

EXHIBIT (b) 3

INSERT COPY OF INTERCONNECTION AGREEMENT

C. Energy or Resource Assessment

- a. Latitude: 36.749338; Longitude:121.385257; Elevation:1083;
Azimuth: 224; Tilt: 25

Estimated Annual Energy Output of System: 38,089 kwh
Estimated Average Monthly Energy Output: 3174 kwh

- b. The proposed solar array will be a roof-mounted system on top of the winery's main warehouse. There are no buildings, trees or other objects blocking the proposed solar panel array from the Sun's radiation.
- c. WSI has taken solar readings around the perimeter of the array and has determined that the solar availability of the array location averages 96% annually (Sun Chart is attached as Exhibit (c) 1). WSI has also inputted the location, elevation, azimuth, tilt, etc. of the proposed system into the California Solar Initiative (CSI) EPBB calculator to estimate KWH production. In addition, WSI used NREL's PVWATTS tool for grid-tied systems to generate a second reading for estimated KWH output to verify the accuracy of the results from CSI's EPBB calculator (The CSI and PV Watts calculations are attached as Exhibits (c) 2 and (c) 3, respectively).
- d. The proposed project will supplement an existing and growing electrical demand required by the winery to support its annual production and storage of wine.

EXHIBIT (c) 1

INSERT COPY OF SUN CHART

EXHIBIT (c) 2

INSERT COPY OF CSI EPBB CALCULATION

EXHIBIT (c) 3

**INSERT COPY OF NREL'S PVWATTS (version 2)
CALCULATION**

D. Design and Engineering

a. Array

Solar Array Manufacturer: Suntech; Model: STP 210 18/Ub-1

Rated Peak Power for Single Module: 190.5 W PTC

Number of Modules: 135

Peak Output Voltage for the Array: 569V

Total Array Peak Power Output: 25,717 W

Total Array Dimensions: 27 (ft) by 84 (ft)

DC STC Rating: 28.350

AC CEC Rating: 24.432

b. Inverter

Inverter Manufacturer: Satcon; Inverter Model: Satcon PVS 30

Inverter's Continuous AC Rating: 60 A per phase; Number of Inverters: 1

Inverter's Peak Efficiency: 95.5% (manufacturer's peak efficiency rating)

Inverter Location: Outdoor, Exterior by Main Service

Utility-accessible AC Disconnect Switch Location: Inverter Integrated

- c. There are no batteries utilized with this system. The system is a utility grid connection and utility interactive (parallel/capable of backfeeding the meter). (For equipment brochures, descriptions and specifications see Tab D, Project Summary.)
- d. WSI has performed a thorough site analysis which included inspection of the entire facility – from the structural integrity of the building as a whole to the roof itself. WSI concluded from its analysis that both the building and roof were structurally sound and capable of supporting the proposed solar array. The roof is only two years old and has an expected remaining useful life of 20+ years.
- e. The site analysis also involved inspection of the the entire electrical system, including the service provided by PG&E. WSI examined solar availability/estimated production and compared it to the existing electrical load and usage data.
- f. Using the point load calculations with the existing engineering information, and following the guidelines of San Benito County, WSI has designed a PV system that exceeds current standards. Upon completion, the system will be tested and inspected to verify it meets the minimum expected criteria to ensure public safety, and to be in compliance with applicable laws, regulations, agreements, permits, codes, and standards. There are no special

circumstances or unique safety concerns with the proposed system. (Attached at the end of the Technical Report is applicant's certification that the project will be designed and engineered so as to meet the intended purpose, will insure public safety, and will comply with applicable laws, regulations, agreements, permits, codes, and standards.)

- g. The proposed system will use commercially available, pre-engineered components, each having been used for years in numerous systems. These components include solar panels and an electric power management system (including inverter) that are provided with specifications, interconnect guidelines and instructions, and product guarantees. The system design is very similar to previous designs installed by WSI (see table presented in "Qualifications of the Project Team" in this Technical Report).
- h. For details concerning the system's design and engineering, the following additional documentation is attached:
 - 1. Map showing location of project;
 - 2. One page Site Map showing location of solar array, nearby structures and trees, and also point of connection with the grid, inverter and lockable disconnect switch;
 - 3. One-line diagram for the electrical interconnection;
 - 4. Schematic diagram showing all major installed structural, mechanical and electrical components of the system; and
 - 5. Site Photos (pictures rotate 360 degrees clockwise, every 45 degrees, with the azimuth is indicated on each photo).

EXHIBIT (d) 1

INSERT MAP SHOWING LOCATION OF PROJECT

EXHIBIT (d) 2

INSERT ONE PAGE SITE MAP (showing location of solar array, nearby structures and trees, including point of connection with the grid, inverter(s) and lockable disconnect switch)

EXHIBIT (d) 3

**INSERT ONE-LINE DIAGRAM OF ELECTRICAL
CONNECTION**

EXHIBIT (d) 4

**INSERT SCHEMATIC DIAGRAM OF ALL STRUCTURAL
MECHANICAL AND ELECTRICAL COMPONENTS**

EXHIBIT (d) 5

INSERT SITE PHOTOS

E. Project Development Schedule

Month	Nov.				Dec.				Jan.				Feb.				Mar.			
Week	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Agreements/Permits	x	x	x	x	x	x	x	x	x	x	x	x								
Rebate/Grants/ITC	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Equipment Ordered	x	x	x	x																
Equipment/Materials Arrive					x	x	x	x	x	x	x	x	x	x	x	x				
Construction/Installation													x	x	x	x	x	x		
Start-up and Shakedown																			x	x

- a. The first stage of the project has been completed. The first stage consisted of performing analysis, designing the PV system, entering an agreement between La Mancha Winery & Vineyard and WSI, beginning the rebate and grant process, and securing financing for the entire project. The first stage began in March 2009. As of November 2009 the design and engineering work and financing (loan) arrangements had been completed. The California Solar Initiative rebate and Rural Development Renewable Energy System grant were initiated but will not be finalized (disbursement received) until after project completion and successful start-up of the system.
- b. The second stage is in process. The second stage consists of applying/obtaining the permits and ordering and obtaining materials. The second stage began in September and to date Purchase Orders for most of the components have been placed and the building permit has been obtained. All materials should be received by the end of February.
- c. The third stage will commence after approval of the building permit and receipt of appropriate and necessary materials. The third stage is scheduled for February and early March and includes the physical construction of the PV system and the integration of the system with the PG&E grid.
- d. The fourth and final stage began in January and will be completed by March 2010. The fourth stage consists of finalizing the State Rebate, the USDA grant and preparing the documents for the Federal Investment Tax Credit.
- e. Applicant has sufficient funds from its cash reserves and a bank loan to finance the full cost of the project. The anticipated grant, CSI rebate, and ITC will either reimburse applicant's cash reserves or paydown the applicant's loan principal. (Attached at the end of the Technical Report is applicant's certification that the project will be completed within 2 years from the date of approval.)

F. Project Economic Assessment

a. Cost of Project Components:

Modules	\$100,000
Inverter	30,000
Other System Hardware	20,000
Installation Labor	10,000
Fee/Permits	1,000
Other Project Costs	<u>3,856</u>
Total Eligible Costs	\$164,856

b. Estimated annual energy production/replacement = \$5,980 (rd)
(38,089 kwh x cost of energy source at \$.157/kwh)

c. Simple Payback Calculation

Total Eligible Costs
Energy Replacement

$$\frac{\$164,856}{\$5,980} = 27.57 \text{ years}$$

d. WSI has analyzed the various rebates, tax benefits, etc. associated with the proposed solar PV project. Available benefits are summarized below:

California Solar Initiative Rebate - \$23,500.00

Investment Tax Credit (total) - \$30,043

Rural Development RES Grant - \$41,214.00

Tax Savings from Federal & State Depreciation - \$36,575

Applicant's payback of its investment after these various benefits is 5.2 years.

(Attached is WSI's spreadsheet showing its calculation of the applicant's payback.)

EXHIBIT (f) 1

**INSERT SPREADSHEET SHOWING CALCULATION OF
APPLICANT'S PAYBACK**

G. Equipment Procurement

- a. WSI will procure all system components, prepare the site, install the equipment, and perform system commissioning and system performance tests.
- b. All system components are commercially available and have been ordered. The lead time for acquiring all necessary materials and equipment is factored into the Project Development Schedule. (Attached at the end of the Technical Report is applicant's certification that "open and free" competition was used in the procurement of project components in a manner consistent with the requirements of 7 CFR part 3015 of this title.)

H. Equipment Installation

- a. Equipment will be installed in accordance with all applicable safety and work rules. (Applicant's certification is attached at the end of the Technical Report.)
- b. As previously described in the Project Development Schedule, the building permit from San Benito County was approved in early February 2010. The installation shall begin as soon as all necessary materials have been received.
- c. WSI has substantial experience in the installation of solar panels and associated electrical work. Team members have completed all necessary training and certification courses. In addition, WSI, has appropriate liability insurance with State Farm Insurance.
- d. Applicant agrees that upon successful system installation and following established operation, the applicant will deliver invoices and evidence of payment. (Applicant's certification is attached at the end of the Technical Report.)

I. Operations and Maintenance

a. Design life of system: 25 years+

b. Warranties (in years):

Design	5 years
Array	25 years
Inverter	10 years
Parts and Labor	10 years

c. The proposed PV system does not have unique operational issues.

d. The applicant will be responsible for maintenance and keeping the system operating at peak efficiency. These responsibilities, however, are minimal and well within the capacity of the applicant to perform, with assistance as needed provided by WSI.

e. The proposed PV system operates unmanned, controlled by microprocessors. As a completely static system with no moving parts, maintenance only consists of a periodical rinsing of the solar array during extended dryspells of 4 months or greater- depending on soiling conditions, and inspections every 3 to 5 years of the system's major power connections to avoid power loss that can result from loose connections.

f. In the event of system malfunction, all parts and labor are covered under warranty for a minimum of 10 years. (See Tab D, Project Summary for copies of Warranties.) The inverter will likely be the first component to cease proper function and will be repaired when that occurs.

g. Spare parts and repair services are readily available from WSI.

J. Dismantling and Disposal of Project Components

- a. The proposed PV system does not have any hazardous materials, fuels, heavy metals, or chemicals other than that which are found in normal off the shelf microprocessors or computers. Decommissioning is the reversal of the installation process and involves no special permits or hazardous material handling requirements. Many of the materials, components, or sub-components resulting from decommissioning will have commercial residual value, which can be sold. Other components can be disposed using normal methods with existing recycling firms (metals, structural materials, etc.) and current electronic recycling protocols currently in use by the computer industry.
- b. Because new recycling opportunities are being developed, applicant will research available disposal methods deemed best practices at time of component replacement to insure maximum recyclable value with minimal environmental impact.
- c. Project components will always be dismantled or disposed of as appropriate or if necessary to ensure public safety at the end of their useful life. (Applicant's certification is attached at the end of the Technical Report.)