

USDA-Rural Development  
Section 9007  
Rural Energy for America Program

**Simplified Grant Application**

Title of Project: 52.9kW Solar PV System

Submitted by

Applicant Name: JDC Manufacturing, LLC  
Address: 1704 Barnes Street  
City: Reidsville  
County: Rockingham  
State: North Carolina  
Zip code: 27320  
Phone #: \_\_\_\_\_ *Exe b*  
E-mail: \_\_\_\_\_  
Fax: \_\_\_\_\_

Choose one:



A Renewable Energy Systems Project

or



An Energy Efficiency Improvements Project

\$ 50,000

**Grant Request**

Combo/Grant Writer Name \_\_\_\_\_  
Phone # \_\_\_\_\_ E-mail \_\_\_\_\_

Date Submitted to RD 06/13/2011

Section 9007 Simplified Application  
**Table of Contents**  
 (Title of the Project) 52.9kW Solar PV System

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

<b>Simplified Grant Application Components</b>		<b>Tab</b>
I.	Title Page	
II.	Table of Contents	
III.	Project specific forms A. SF 424 – Application – the Federal Catalog number is 10.868 B. SF 424 C – Budget C. SF 424 D – Assurances D. 1940-20 "Request for Environmental Information" and attachments	A
IV.	Certifications A. AD 1049 B. AD 1048 C. Exh. A-1, 1940-Q – only required for grants requests exceeding \$100,000 D. Form SF-LLL E. AD 1047 F. 400-1 G. 400-4 H. Guide 6 – Certification Regarding Qualification for Simplified Grant Applications 4280.109	B
V.	Legal organizational documents (including any contracts with investors)	C
VI.	Project Summary A. Title of Project B. Applicant eligibility C. Project Eligibility D. Operation Description E. Financial Information for Size Determination	D
VII.	Matching Funds Documentation	E
VIII.	Self Evaluation Score Documentation is tabbed to match the scoring criteria numbering.	F
IX.	Energy Audit (if project is an energy efficiency project)	G
X.	Technical Report	H

**Tab A Simplified Grant**  
**Total Eligible Costs of \$200,000 or less**  
 Divider Page

Federal Tax ID #	Exe 4
DUNS # <i>To get a DUNS number, call 1-800-234-3867 or go to  <a href="http://www.dunandbradstreet.com/US/duns_update/index.html">www.dunandbradstreet.com/US/duns_update/index.html</a></i>	Exe 4

**Project Specific Forms 4280.111 (b) (1) (I) A, B, C, D**

These forms can be found on the Iowa website at:  
<http://www.rurdev.usda.gov/ia/rbs-forms.html>  
*Insert the forms immediately after this divider page.*

SF 424 – Application for Federal Assistance	X
SF 424C – Budget Information <i>To provide a more itemized breakdown of eligible and ineligible expenses, attach a separate spreadsheet.</i>	X
SF 424D – Assurances	X
1940-20 – Request for Environmental Information – and documentation <i>Complete the first page of 1940-20 and sign it. Consult with the Rural Development Area Office Specialist if you have questions regarding documentation needed.</i>	X

<b>Examples of projects:</b>	<b>Documentation:</b>
<u><b>Categorical Exclusion Environmental Assessment</b></u> –Crop drying equipment –Improvements to a facility or process to reduce energy consumption (lights, HVAC, freezers, coolers, etc) –Solar voltaic systems	–legal description of site where project will be located –statement of project – who wants to do what, where, when, and how –Site photo –map or aerial photo with the project identified
<u><b>Class I Environmental Assessment</b></u> –Solar thermal - Small ponds/receivers –Small wind turbines less than 100 kW and hub height less than 120'	–Subsequent to the first page of the 1940-20 - Answer questions 1,2,13,15,16,17 – attach third party documents as appropriate & provide legal description --Site photos –Discussion of alternative sites considered From NRCS office –USGS topographical map –Aerial ortho photo – identify exactly where project will be located <u>If wind project:</u> --Photos in all 4 directions from the turbine site. –Schematic of where electrical line to be located Go to <a href="http://www.rurdev.usda.gov/ia/env_la_class1.html">http://www.rurdev.usda.gov/ia/env_la_class1.html</a> For contacts for documentation to attach to the 1940-20.

**APPLICATION FOR FEDERAL ASSISTANCE**

Version 7/03

1. TYPE OF SUBMISSION: Application		2. DATE SUBMITTED 06/13/2011	Applicant Identifier <b>Exe 4</b>
<input checked="" type="checkbox"/> Construction	Pre-application	3. DATE RECEIVED BY STATE	State Application Identifier
<input type="checkbox"/> Non-Construction	<input type="checkbox"/> Construction	4. DATE RECEIVED BY FEDERAL AGENCY 06/13/2011	Federal Identifier
5. APPLICANT INFORMATION			
Legal Name: JDC Manufacturing, LLC		Organizational Unit: Department:	
Organizational DUNS: <b>Exe 4</b>		Division:	
Address: Street: 1704 Barnes Street		Name and telephone number of person to be contacted on matters involving this application (give area code) Prefix: Mr.	
City: Reidsville		First Name: Charles	
County: Rockingham		Middle Name T.	
State: NC		Last Name Hagan	
Zip Code 27320		Suffix: III	
Country: USA		Email: chagan@hagandavis.com	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): <b>Exe 4</b>		Phone Number (give area code)	Fax Number (give area code) <b>Exe 6</b>
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) (See back of form for description of letters.) Other (specify) <input type="checkbox"/> <input type="checkbox"/>		7. TYPE OF APPLICANT: (See back of form for Application Types) Q. Small Business Other (specify)	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:  TITLE (Name of Program): Section 9007 Rural Energy for America Program		9. NAME OF FEDERAL AGENCY: USDA Rural Development	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Reidsville, Rockingham County, NC		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: 52.9kW Solar PV System	
13. PROPOSED PROJECT Start Date: 9/1/2011		14. CONGRESSIONAL DISTRICTS OF: a. Applicant 13th	
Ending Date: 12/31/2011		b. Project 13th	
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$ 50,000 <sup>00</sup>	a. Yes. <input type="checkbox"/> THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON DATE:	
b. Applicant	\$ <sup>00</sup>	b. No. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372	
c. State	\$ <sup>00</sup>	<input checked="" type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
d. Local	\$ <sup>00</sup>	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?	
e. Other	\$ 150,000 <sup>00</sup>	<input type="checkbox"/> Yes If "Yes" attach an explanation. <input checked="" type="checkbox"/> No	
f. Program Income	\$ <sup>00</sup>		
g. TOTAL	\$ 200,000 <sup>00</sup>		
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.			
a. Authorized Representative			
Prefix Mr.	First Name Charles	Middle Name T.	
Last Name Hagan	Suffix III		c. Telephone Number (give area code)
b. Title Manager	e. Date Signed 06/13/2011		
d. Signature of Authorized Representative			

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Authorized for Local Reproduction

Standard Form 424 (Rev.9-2003)  
Prescribed by OMB Circular A-102

**Exe 4**

**Exe 4**

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.

*Exe b*

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE Manager
APPLICANT ORGANIZATION JDC Manufacturing, LLC	DATE SUBMITTED June 13, 2011

REQUEST FOR ENVIRONMENTAL INFORMATION

Name of Project	JDC Manufacturing Solar Proj.
Location	Reidsville, NC

- 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. **NA**
- 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 06-13-2011
- 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 type="checkbox"/>	<input checked="" 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

06-13-2011  
(Date)

Signed: \_\_\_\_\_  
(Applicant)

**Exe b**

Manager  
\_\_\_\_\_  
(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 collection 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 through J**

<p>These forms can be found on the Iowa website at: <a href="http://www.rurdev.usda.gov/ia/rbs-forms.html">http://www.rurdev.usda.gov/ia/rbs-forms.html</a></p> <p><i>Place the following forms behind this divider page.</i></p>	<p>Please indicate: <b>X</b> (enclosed) or <b>NA</b> (not applicable)</p>
<p><b>AD 1049</b> Certification Regarding Drug Free Workplace Requirements (Grants) Alternative 1 – "For Grantees other than Individuals."</p>	<p align="center">X</p>
<p><b>AD 1048</b> Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tiered Covered Transactions</p>	<p align="center">X</p>
<p><b>Exhibit A-1 of 1940-Q</b> Certification for Contracts, Grants and Loans - if the grant exceeds \$100,000.</p>	<p align="center">N/A</p>
<p><b>Form SF-LLL</b> 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.</p>	<p align="center">N/A</p>
<p><b>AD 1047</b> Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions</p>	<p align="center">X</p>
<p><b>Form 400-1</b> Equal Opportunity Agreement</p>	<p align="center">X</p>
<p><b>Form 400-4</b> Assurance Agreement</p>	<p align="center">X</p>
<p>Intergovernmental comments in accordance with 7 CFR part 3015, subpart V, of this title.</p>	<p align="center"><b>Not applicable in Iowa</b></p>
<p><b>Guide 6 - Certification Regarding Qualification For Simplified Grant Applications - 4280.109</b> (<i>this form is on the next page in this template</i>)</p>	<p align="center">X</p>

## U.S. DEPARTMENT OF AGRICULTURE

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

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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)

1704 Barnes Street

Reidsville, NC 27320

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

JDC Manufacturing, LLC

52.9kW Solar PV Project

Organization Name

Award Number or Project Name

Charles T. Hagan, III, Manager

Name and Title of Authorized Representative

June 13, 2011

Signature

Date

Exe  
6

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.

JDC Manufacturing, LLC

52.9kW Solar PV Project

Organization Name

PR/Award Number or Project Name

Charles T. Hagan, III, Manager

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

June 13, 2011

Signature(s)

Date

Exeb

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.

JDC Manufacturing, LLC

Organization Name

52.9kW Solar PV System

PR/Award Number or Project Name

Charles T. Hagan, III, Manager

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

June 13, 2011

Signature(s)

Date

Exe 6

EQUAL OPPORTUNITY AGREEMENT

This agreement, dated 06-13-2011 between  
JDC Manufacturing, LLC

(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 (f) 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)

JDC Manufacturing, LLC

\_\_\_\_\_  
Name of Corporate Recipient

*Exeb*

Attest:

\_\_\_\_\_  
Secretary

By *L* \_\_\_\_\_

\_\_\_\_\_  
President

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

The JDC Manufacturing, LLC

(name of recipient)

1704 Barnes Street

(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, JDC Manufacturing, LLC 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.

*Exe b*

(S E A L)

6/13/11

Recipient

Date

Attest: 06/13/2011

Manager

Title

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 Qualification  
For Simplified Grant Applications  
4280.109**

WHEREAS, JDC Manufacturing, LLC

herein called the "Grantee", intends to obtain assistance from the United States of America, acting through the U. S. Department of Agriculture, herein called the "Government", 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. (Guide 5)
- (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

\$200,000.00

- (4) The proposed project will use commercially available renewable energy systems or energy efficiency improvements.
- (5) Construction planning and performing 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. The Agency may extend this period if the Agency 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 the Agency.

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

- (1) Applications documents have been submitted in accordance with 4280.111, or if applying for a combined grant and loan, also in accordance with 4280.193 (c).
- (2) The grantee has certified that it meets the definition of demonstrated financial need, as defined in 4280.103.

The Agency 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

\_\_\_\_\_ (ii) The grantee can demonstrate to the Agency 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 the Agency. Upon notification of receipt of an acceptable project completion report, the grantee may request grant reimbursement. The Agency 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 13th day of June, 20 11.

JDC Manufacturing, LLC  
Name of Applicant

\_\_\_\_\_  
Authorized representative of Applicant

*Exe b*

**Tab C**  
Divider Page

**Legal Organizational Documents 4280.111 (b) (1) (iii)**

Partnership - Articles of Organization	X
Secretary of State	X
Business Corporation Annual Report	X

# STATE OF NORTH CAROLINA



Department of The  
Secretary of State

To all whom these presents shall come, Greetings:

I, **ELAINE F. MARSHALL**, *Secretary of State of the State of North Carolina*, do hereby certify the following and hereto attached to be a true copy of

ARTICLES OF ORGANIZATION  
OF  
JDC MANUFACTURING LLC

*the original of which was filed in this office on the 2nd day of April, 1997.*

*IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Raleigh, this 2nd day of April, 1997.*



*Elaine F. Marshall*

Secretary of State

C-0422863  
FILED

507 pm

APR 02 1997

EFFECTIVE 10:30am  
ELAINE F. MARSHALL  
SECRETARY OF STATE  
NORTH CAROLINA

ARTICLES OF ORGANIZATION  
OF  
JDC MANUFACTURING LLC

070927010

Pursuant to Section 57C-2-20 of the General Statutes of North Carolina, the undersigned set forth the following for the purpose of forming a limited liability company under the laws of the State of North Carolina:

1. The name of the limited liability company is JDC MANUFACTURING LLC.
2. The limited liability company shall be dissolved on December 31, 2050, unless terminated earlier.
3. The name and address of each organizer executing these articles of organization are as follows:

<u>Name</u>	<u>Address</u>
W. B. Rodman Davis	701 Green Valley Road, Suite 100 Greensboro, NC 27408-7019
Louise A. Maultsby	701 Green Valley Road, Suite 100 Greensboro, NC 27408-7019

4. The street address of the initial registered office of the limited liability company is 701 Green Valley Road, Suite 100, Greensboro, Guilford County, North Carolina 27408-7019. The mailing address of the initial registered office of the limited liability company is Post Office Box 3463, Greensboro, Guilford County, North Carolina 27402-3463. The name of the initial registered agent at such address is W. B. Rodman Davis.

5. The limited liability company shall be manager-managed; thus, except as provided in N.C.G.S. 57C-3-20(a), the members shall not be managers by virtue of their status as members.

6. All agreements of the members constituting operating agreements of the limited liability company shall be in writing.

7. To the fullest extent permitted by the North Carolina Limited Liability Company Act as it currently exists or may be subsequently amended, no person who is serving or who has served as a manager of the limited liability company shall be personally liable to the limited liability company, to any of its members, or to any third parties for monetary damages for breach of duty as a manager. No amendment or repeal of this article, nor the adoption of any provision to these Articles of Organization inconsistent with this article, shall eliminate or reduce the protection granted by this provision with respect to any matter that occurred prior to such amendment, repeal, or adoption.

8. To the fullest extent permitted by the North Carolina Limited Liability Company Act as it currently exists or may be subsequently amended, the limited liability company shall provide indemnification to all members and managers for judgments, settlements, penalties, fines, or expenses incurred in a proceeding to which the member or manager is a party because he is or was a member or manager. No amendment or repeal of this article, nor the adoption of any provision to these Articles of Organization inconsistent with this article, shall eliminate or reduce the protection granted by this provision with respect to any matter that occurred prior to such amendment, repeal, or adoption.

9. These articles shall be effective at 10:30 A. M. on April 2, 1997, or, if later, upon filing.

Below are the signatures of the persons executing these articles of organization, together with the printed name and capacity of each person, who execute these articles this the 1st day of April, 1997:

Signature: W.B. Rodman Davis  
Name: W.B. Rodman Davis  
Title: Organizer

Signature: Louise A. Maultsby  
Name: Louise A. Maultsby  
Title: Organizer



North Carolina  
**Elaine F. Marshall**  
 Secretary

North Carolina  
**DEPARTMENT OF THE**  
**SECRETARY OF STATE**  
 PO Box 29622 Raleigh, NC 27626-0622 (919)807-2000

Date: 6/9/2011

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Corporation Names

Name	Name Type
NC JDC MANUFACTURING LLC	LEGAL

Limited Liability Company Information

<b>SOSID:</b>	0422863
<b>Status:</b>	Current-Active
<b>Effective Date:</b>	4/2/1997
<b>Dissolution Date:</b>	
<b>Annual Report Due Date:</b>	
<b>Citizenship:</b>	DOMESTIC
<b>State of Inc.:</b>	NC
<b>Duration:</b>	DEC 2050
<b>Annual Report Status:</b>	CURRENT

Registered Agent

<b>Agent Name:</b>	HD BUSINESS SERVICES LLC
<b>Office Address:</b>	300 NORTH GREENE STREET, SUITE 200 GREENSBORO NC 27401
<b>Mailing Address:</b>	300 NORTH GREENE STREET, SUITE 200 GREENSBORO NC 27401

Principal Office

<b>Office Address:</b>	1704 BARNES STREET REIDSVILLE NC 27320
<b>Mailing Address:</b>	506 COUNTRY CLUB DRIVE GREENSBORO NC 27408

Officers

<b>Title:</b>	<b>MANAGER</b>
<b>Name:</b>	JOHN CARTER HAGAN
<b>Business Address:</b>	506 COUNTRY CLUB DRIVE GREENSBORO NC 27408
<b>Title:</b>	<b>MANAGER</b>
<b>Name:</b>	DAVID BLAIR HAGAN
<b>Business Address:</b>	333 N GREENE STREET, SUITE 102 GREENSBORO NC 27401
<b>Title:</b>	<b>MANAGER</b>
<b>Name:</b>	CHARLES TILDEN HAGAN III
<b>Business Address:</b>	300 N GREENE ST, STE 200 GREENSBORO NC 27401

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# LIMITED LIABILITY COMPANY ANNUAL REPORT

E-Filed Annual Report  
-1-0-4992390

Do not data enter manually.

NAME OF LIMITED LIABILITY COMPANY: *JDC MANUFACTURING LLC*

STATE OF INCORPORATION: *NC*

SECRETARY OF STATE L.L.C. ID NUMBER: *0422863*

NATURE OF BUSINESS: *real estate ownership and management*

REGISTERED AGENT: *HD Business Services LLC*

REGISTERED OFFICE MAILING ADDRESS: *300 North Greene Street, Suite 200  
Greensboro, NC 27401*

REGISTERED OFFICE STREET ADDRESS: *300 North Greene Street, Suite 200  
Greensboro, NC 27401 Guilford County*

PRINCIPAL OFFICE TELEPHONE NUMBER: *(336) 349-2800*

PRINCIPAL OFFICE MAILING ADDRESS: *506 Country Club Drive  
Greensboro, NC 27408*

PRINCIPAL OFFICE STREET ADDRESS: *1704 Barnes Street  
Reidsville, NC 27320*

## MANAGERS/MEMBERS/ORGANIZERS:

*Name: John Carter Hagan  
Title: Manager  
Address:  
506 Country Club Drive  
Greensboro, NC 27408*

*Name: David Blair Hagan  
Title: Manager  
Address:  
333 N Greene Street, Suite 102  
Greensboro, NC 27401*

*Name: Charles Tilden Hagan III  
Title: Manager  
Address:  
300 N Greene St, Ste 200  
Greensboro, NC 27401*

## CERTIFICATION OF ANNUAL REPORT MUST BE COMPLETED BY ALL LIMITED LIABILITY COMPANIES

Charles Tilden Hagan

05/26/2011

FORM MUST BE SIGNED BY A MANAGER/MEMBER

DATE

Charles Tilden Hagan

Manager

TYPE OR PRINT NAME

TYPE OR PRINT TITLE

ANNUAL REPORT FEE \$200 MAIL TO: Secretary of State • Corporations Division • Post Office Box 29525 • Raleigh, NC 27626-0525

**Tab D**  
Divider Page

**Project Summary 4280.111 (b) (3) (i) through (v)**

Title of the project	52.9kW Solar PV <sub>2</sub>	
Applicant Eligibility (as per 4280.107)	X	
Project Eligibility (as per 4280.108)	X	
Operation Description	X	
Financial Information for Size Determination	X	
IRS forms	D-1	X
NAICS code information – if applying as a small business <i>(if applicable)</i>	D-2	531120
Documentation of commercially available or pre-commercial technology	D-3	X
Third party contracts for management and maintenance <i>(if applicable)</i>	D-4	N/A
Evidence of site control	D-5	X

*An agricultural producer is an individual or entity directly engaged in the production of agricultural products, including crops (including farming), livestock (including ranching), forestry products, hydroponics, nursery stock, or aquaculture, whereby 50% or greater of their gross income is derived from the operations.*

*An entity is considered a small business in accordance with the Small Business Administrations (SBA) small-business size standards by NAICS found in Title 13 CFR part 121. A private entity including a sole proprietorship, partnership, corporation, cooperative (including a cooperative qualified under section 501(c)(12) of the Internal Revenue Code), and an electric utility including a Tribal or governmental electric utility that provides service to rural consumers on a cost of service basis without support from public funds or subsidy from the government authority establishing the district, provided such utilities meet SBA's definition of small business. These entities must operate independent of direct Government control. With the exception of the entities described above, all other non-profit entities are excluded.*

**Guide 5 Section 9007 RURAL ENERGY FOR AMERICA Program Applicant & Project Eligibility**

Applicant Name JDC Manufacturing, LLC

Title of Project 52.9kW Solar PV System

Type of Technology  Renewable Energy or  Energy Efficiency

**Applicant Eligibility (4280.107)**

WHEREAS, JDC Manufacturing, LLC herein called the "Grantee/Applicant", intends to obtain assistance from the United States of America, acting through the U. S. Department of Agriculture, herein called the "Government", acting under the provisions of the Section 9007 Rural Energy for America Program.

NOW THEREFORE, in consideration of the premises, the Grantee hereby certifies to their applicant eligibility as follows (for any not applicable, mark N/A):

1. N/A If applying as an Agricultural Producer – more than 50% of the grantee's income is from agricultural production. (Documentation is attached to show more than 50% of gross income is from the farming operation – first page of previous year income tax return and schedule F).

True If applying as a Rural Small Business – the grantee's business meets SBA small business size Standards <http://sba.gov/size/index.html>

The NAICS code for my business is 531120

The limitations of the NAICS code are \$7 Million Average Annual Receipts

How my business meets those limitations \_\_\_\_\_

Documentation is attached to show now my business meets those limitations – if business size is based on annual sales one of the following:

IRS 1040 Schedule F  
 IRS Form 1120S

IRS 1040 Schedule C  
 IRS Form 1065

IRS Form 1120

Exe 4

2. N/A If applying as an individual for a renewable energy/energy efficiency project, the individual(s) are citizens of the U.S. or reside in the U.S. after being legally admitted for permanent residence.

Trues If applying as an entity for a renewable energy/energy efficiency project, the entity is at least 51 percent 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.

3. True (Answer True or False) The grantee has no outstanding judgment from Federal court, is not delinquent in federal income taxes or federal debt, and has not been debarred from receiving federal assistance.

4. False (Answer True or False) I have received a Section 9006 or 9007 grant in prior years. If the answer is true – please indicate the year \_\_\_\_\_ and type of project N/A

5. True I certify my application meets demonstrated financial need as per 4280.107 (a) (5), 4280.109 (b) (2), and 4280.193 (a).

The grantee \_\_\_\_\_ does or X does not have a known relationship or association with an Agency employee. If applicable, name and relationship of employee: \_\_\_\_\_

IN WITNESS WHEREOF, I have executed this certification on this 13th day of June, 2011

JDC Manufacturing, LLC  
Name of Applicant/Grantee

Charles T. Hagan, III  
Printed Name of Authorized Representative of Applicant/Grantee

\_\_\_\_\_  
Signature of Authorized Representative of Applicant/Grantee

Exe 6

Project Eligibility (4280.108)

WHEREAS, JDC Manufacturing, LLC herein called the "Grantee/Applicant", intends to obtain assistance from the United States of America, acting through the U. S. Department of Agriculture, herein called the "Government", acting under the provisions of the Section 9007 Rural Energy for America Program.

NOW THEREFORE, in consideration of the premises, the Grantee hereby certifies to their project eligibility as follows (for any not applicable, mark N/A):

- 1. Yes Type of Technology [X] Renewable Energy or [ ] Energy Efficiency

The project description is: 52.9kW Solar PV System to be installed on the roof of JDC Manufacturing, LLC to generate power and sell it back to the grid

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

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.

Yes Documentation is attached to support the commercial availability of the technology in my application.

- 3. Yes The project has technical merit (Answer yes or no).
4. Yes The project is located in a rural area, as defined in 4280.103 (Answer yes or no). The Project will be located in Reidsville, NC. The address is 1704 Barnes Street. The most recent decennial population census of the project location is 14,485. The project (circle one) is or 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.

- 5. The owner of the project is JDC Manufacturing, LLC. Is the owner of the project the same entity as the applicant? Yes (Answer yes or no). Is a third party going to be under contract to control revenues and expenditures and operate/maintain the project? No (answer yes or no).
6. Yes I will control the site where the project will be located - for the useful life of the proposed technology. Yes Attached is documentation of this control.
7. Yes I have 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 (answer yes or no).

IN WITNESS WHEREOF, I have executed this certification on this 13th day of June, 2011

JDC Manufacturing, LLC Name of Applicant/Grantee

Charles T. Hagan, III Printed Name of Authorized Representative of Applicant/Grantee

[Signature] Signature of Authorized Representative of Applicant/Grantee

## D. Operation Description

- (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.

JDC Manufacturing, LLC principal business activity is real estate ownership and management. Proposed project is for the installation of a 52.9kW Solar PV System on the roof of a building owned by JDC Manufacturing, LLC in Reidsville, NC.

- (2) Provide a description of the ownership of the applicant, including a list of individuals and/or entities with ownership interest, names of any corporate parents, affiliates, and subsidiaries, as well as a description of the relationship, including products, between these entities.

John C. Hagan, David B. Hagan, and Charles T. Hagan, III are equal partners

## E. Financial Information for Size Determination

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 for – 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 1120 – Corporation
- IRS form 1120S – "S" corporation
- IRS form 1065 – Partnership
- IRS Schedule F – Farming
- IRS Schedule C – Business
- IRS Form 1040

- (A) Rural small businesses must provide sufficient information to determine total annual receipts for and number of employees of the business and any parent, subsidiary, or affiliates at other locations. The information provided must be sufficient for the Agency to make a determination of business size as defined by SBA.

Total Annual Receipts – The total income or gross income (sole proprietorship) plus cost of goods sold.

The applicant's determination of business size is as follows:

\_\_\_\_\_ IRS form 1120 – Corporation – line 11                      \_\_\_\_\_ IRS Schedule C – Business – line 7  
 \_\_\_\_\_ IRS form 1120 S – "S" Corporation – line 6                      \_\_\_\_\_ IRS Schedule F – Farming – lines 11  
 \_\_\_\_\_ IRS form 1065 – Partnership – line 8

Ex 4

Documentation as to the number of employees is as follows:

**OR**

- (B) Agricultural producers: Provide the gross market value of your agricultural products, gross agricultural income, and gross non-farm income of the applicant for the calendar year preceding the year in which you submit your application.

The applicant's determination of business size is as follows:

\_\_\_\_\_ IRS form 1120 – Corporation – line 1a                      \_\_\_\_\_ IRS Schedule C – Business – line 1  
 \_\_\_\_\_ IRS form 1120 S – "S" Corporation – line 1a                      \_\_\_\_\_ IRS Schedule F – Farming – lines 3 & 4  
 \_\_\_\_\_ IRS form 1065 – Partnership – line 1a

-----  
 \_\_\_\_\_ Line 22 of IRS form 1040 + line 28 and 30 from Schedule C (gross non-farm income)

BK:01307 PG:0162

FILED  
ROCKINGHAM COUNTY  
REBECCA B. CIPRIANI  
REGISTER OF DEEDS

Dec 22, 2006 12:37:28 pm  
RECORDING \$18.00  
PROBATE \$2.00  
EXCISE TAX \$4,200.00  
NONSTAND  
BOOK 01307  
PAGES 0162-0164  
INSTRUMENT # 17961  
ALS

**NORTH CAROLINA  
SPECIAL WARRANTY DEED**

Excise Tax: \$ 4200.00

Recording Time, Book and Page

Tax Map. No.

Parcel Identifier No.

Mail after recording to: *Brian Pearce, Versen Pruet Adams Kleencier, PO Box 3463  
Greensboro, NC 27402*

This instrument was prepared by: *Brian T. Pearce*

THIS DEED made this 21<sup>st</sup> day of December, 2006 by and between

**GRANTOR**

**AMI Doduco, Inc.**  
a Pennsylvania corporation  
(formerly known as Advanced Metallurgy, Inc.)

**GRANTEE**

**JDC Manufacturing LLC**  
1704 Barnes Street  
Reidsville, North Carolina 27230

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Reidsville, Rockingham County, North Carolina, and more particularly described as follows:

**SEE ATTACHED EXHIBIT "A"**

The property hereinabove described was acquired by Grantor by instrument recorded in Book 811, Page 1448.

A map showing the above described property is recorded in Plat Book \_\_\_\_\_, Page \_\_\_\_\_.

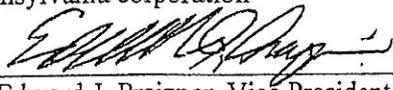
TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor has done nothing to impair such title as Grantor received, and that Grantor will warrant and defend the title against the lawful claims of all persons claiming by, under or through Grantor, except for the exceptions hereinafter stated.

Title to the property hereinabove described is hereby conveyed subject to all taxes for the current year and all restrictions, reservations, covenants, conditions, rights of ways and easements of record.

IN WITNESS WHEREOF, the Grantor has caused this Deed to be executed in its corporate name by its duly authorized officers as of the day and year first above written.

AMI Doduco, Inc.  
a Pennsylvania corporation

By:   
Edward J. Prajzner, Vice President

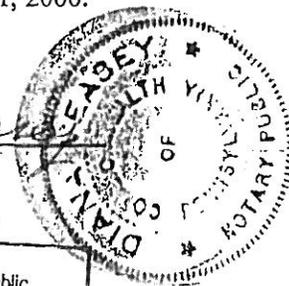
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Commonwealth of Pennsylvania, Buck County

I certify that Edward J. Prajzner, personally appeared before me this day and acknowledged that he is a Vice President of AMI Doduco, Inc., Grantor, and that he voluntarily signed the foregoing document for the purpose stated therein.

Witness my hand and official stamp or seal, this the 20<sup>th</sup> day of December, 2006.

  
Notary Public



NOTARIAL SEAL  
DIANA VEASEY, Notary Public  
Trevose, Bucks County  
My Commission Expires January 28, 2007

**EXHIBIT "A"**

BEGINNING at a 1/2" iron pipe in the south margin of the 60-foot right of way of Turner Drive marking its intersection with the east margin of the 100-foot right of way of the Norfolk and Southern Railroad, and running thence from said BEGINNING point along the south margin of the right of way of Turner Drive the following four (4) calls: (1) South 78° 30' 26" East 234.53 feet to an existing iron pipe; (2) South 76° 43' 26" East 350.00 feet to a new iron pipe; (3) South 60° 04' 26" East 70.22 feet to a new iron pipe and (4) South 40° 24' 26" East 72.00 feet to a new iron pipe in the west margin of the 100-foot right of way of Barnes Street; thence along the west margin of the right of way of Barnes Street the following four (4) calls: (1) South 00° 02' 03" East 237.10 feet to an existing iron pipe; (2) South 04° 35' 47" West 318.03 feet to an existing iron pipe; (3) South 09° 46' 18" West 432.15 feet to an existing iron pipe and (4) South 07° 15' 47" West 48.63 feet to a new railroad spike marking the northeast corner of the property of (now or formerly) the City of Reidsville (see Deed Book 958, Page 233); thence along the north line of the City of Reidsville the following three (3) calls: (1) North 86° 54' 31" West 112.32 feet to a point; (2) North 76° 54' 56" West 64.32 feet to a point and (3) North 62° 22' 38" West 43.16 feet to a new iron pipe marking the northwest corner of the City of Reidsville; thence along the City of Reidsville's west line South 32° 29' 59" West 26.01 feet to a new nail and South 05° 42' 28" West 134.41 feet to an existing iron pipe marking the northwest corner of (now or formerly) the City of Reidsville (see Deed Book 840, Page 1873); thence along the City of Reidsville's west line and the west lines of (now or formerly) TCIF REO GCM LLC (see Deed Book 1022, Page 2318) and (now or formerly) Claude & Shelby Somers (see Deed Book 1096, Page 1905), South 10° 56' 59" East 559.64 feet to an existing iron pipe marking Somers' southwest corner; thence along Somers' south line North 83° 03' 43" East 57.53 feet to an existing iron pipe in the west line of (now or formerly) Benjamin and Diana Sartin (see Deed Book 696, Page 197); thence along Sartin's west line and the west lines of (now or formerly) Marilyn B. Howerton and (now or formerly) Sheila Layton and Travis Kinley (see Deed Book 1257, Page 1874), South 11° 52' 35" East 378.57 feet to an existing iron pipe marking a corner with (now or formerly) Keystone Foods, LLC (see Deed Book 1046, Page 642); thence along Keystone Foods' north line North 81° 11' 00" West 929.44 feet to an existing iron pipe in the east margin of the 100-foot right of way of the Norfolk and Southern Railroad; thence along said east margin of the railroad right of way the following courses and distances: (1) North 18° 11' 00" East 698.00 feet to a new iron pipe; (2) North 16° 47' 00" East 265.69 feet to a new iron pipe; (3) North 11° 17' 55" East 342.23 feet to an existing bolt; (4) North 05° 19' 31" East 230.91 feet to an existing bolt; (5) North 00° 55' 38" East 235.09 feet to an existing bolt; (6) North 03° 49' 01" West 232.99 feet to an existing iron pipe; and (7) North 08° 30' 20" West 182.18 feet to the point of BEGINNING, containing 30.78 acres, more or less, and being shown on an As-Built Survey for Plastics Revolutions, Inc., dated November 7, 2006, by Borum, Wade and Associates, P.A.

TOGETHER WITH rights under that Easement for Ingress, Egress, and Regress to Advanced Metallurgy, Inc. in Deed dated April 30, 1997 and recorded May 16, 1997 in Book 958, Page 233 of the Rockingham County Registry.

DATE 2/09/11  
 TIME 0:05:17  
 USER RONNIE

ROCKINGHAM COUNTY  
 PROPERTY CARD  
 FOR YEAR 2011

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JDC MANUFACTURING LLC  
 PO BOX 1616

PARCEL ID.. 152400  
 LOCATION.. 1704 BARNES ST  
 DEED YEAR/BOOK/PAGE.. 2006 1307 162  
 PLAT BOOK/PAGE..  
 LEGAL DESC:30.78 AC BARNES ST

PIN... 8904 19 71 2570 00  
 OWNER ID.. 1261465  
 DISTRICT.. 101 REIDSVILLE

REIDSVILLE NC 27323-1616 89041971267700  
 DESCRIPTION NCDENR PART EX 105-275 (8)  
 TOWNSHIP... 7 REIDSVILLE

NBRHOOD... I300D WATLINGTON DRIVE INDUSTRI  
 NH CLASS..  
 PARTIALLY EXEMPT HVY IND REIDSVILLE

MAINTAINED.. 6/10/2010 BY RMCCARTHY VALUED.. 1/19/2011 BY MMCCLINTOC  
 VISITED..... BY MM PREV PARCEL 152399  
 PARCEL STATUS... ACTIVE

EXEMPT... \*\*\*\* MULTIPLE EXEMPTIONS  
 ROUTING#.. 4700  
 CATEGORY.. REAL & PERSONAL

\* LAND VALUED BY NEIGHBORHOOD BASE RATE METHOD \*

DEED BK/PAGE	SALE DATE	SALES INSTRUMENT	DISQUALIFIED	SALE AMOUNT	STAMP AMOUNT	DEED NAME
1307 162	12/22/2006	DEED	QUALIFIED	2,100,000		JDC MANUFACTURING LLC
811 1448	5/16/1997	SPLIT	OTHER/SHORT SAL			ADVANCED METALLURGY INC

LND #	ZONE	STRAT CODE	LAND TYPE/CODE	LAND QTY	AVERAGE LAND RATE	DPT%	SHP%	LOC%	SIZ%	OTH%	TOP%	TOT ADJ	CURRENT FMV
1	I2H1R	100	AC IP	12.380	21,058.16	.00	.00	.00	.00	100.00	100.00	.00	260,700
2	I2H1R	100	AC IR	15.780	4,938.21	.00	.00	.00	.00	100.00	100.00	.00	77,525
3	I1L1R	100	AC IP	2.620	30,000.00	.00	.00	.00	.00	100.00	100.00	.00	78,600
TOTAL ACRES..													417,225

IMPROVEMENT # 1 MAJOR IMPR-M  
 MAIN FIN AREA.. 16,752.00 ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. 5/26/1998 BY BN  
 STRAT..... 100 DESCRIPTION... OFFICE MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 MAIN GROUND SF.... 16,752.00  
 BUILT USE..... 41 OFFICE CURRENT USE.... CI CURRENT USE INDUSTRIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CPL
MA C20	OFFICE MASONRY	100	16752.00	75.40	1.00	100.00	96.00				1,212,576	
EW 99	MULTIPLE TYPES	100	796.00	.00							0	
- AR 220	FORCED HOT AIR&AC	100	16752.00	3.95							66,170	
- PD CLO9	SUSP CEILING	100	1.00	.00							0	
- PD ELO3	AVERAGE ELECTRIC	100	1.00	.00							0	
- PD EX99	MULTIPLE EXTERIOR TY100	100	1.00	.00							0	
- PD FL99	MULTIPLE FLOOR TYPES100	100	1.00	.00							0	
- PD FN38	CONTINUOUS WALL REI 100	100	1.00	.00							0	
- PD IF99	INT FINISH MULTIPLE 100	100	1.00	.00							0	
- PD PL03	PLUMBING AVERAGE 100	100	1.00	.00							0	
- PD RF13	STEEL TRUSS/RGIN 100	100	1.00	.00							0	

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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

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 IMPROVEMENT # 1 MAJOR IMPR-M  
 -----

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CMPL
PD RM07 RF MATERIAL BUILTUP	100	1.00	.00								0
RCN...		PCT COMPLETE				100	x			1,278,746	
RCN...		COUNTY RCN ADJ				100.00	x			1,278,747	
QUAL.. QG D+		CONSTRUCTION GRADE D				110.00	x			1,406,621	
DEPR.. CAM		AVG MASONRY				44.00	-	618,913			
FUNC..						25.00	-	196,927			
ECON..						40.00	-	236,312		1,052,152	T
--FMV...										354,469	

### Rockingham County, NC



**DISCLAIMER:** The information contained on this page is NOT to be construed or used as a "legal description". Map information is believed to be accurate but accuracy is not guaranteed.

### JDC Manufacturing

#### Parcels

**Long PIN:** 890419712570  
**Parcel Number:** 152400  
**Owner ID:** 1261465  
**Owner:**  
 JDC MANUFACTURING LLC  
 PO BOX 1616  
 REIDSVILLE NC

**Fire District:** REIDSVILLE  
**Township:** 7  
**Deed Book:** 1307 Pg: 162  
**Date Sold:** 20061222  
**Sales Amount:** 2100000  
**Year Built:** 1982  
**Land Value:** \$417,225  
**Improvement Value:** \$1,825,184  
**Total Value:** \$2,242,409

<http://www.webgis.net> Anderson & Associates, Inc <http://www.andassoc.com>

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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00  
 ----- IMPROVEMENT # 1 MAJOR IMPR-M -----  
 +---42---+-----300-----+  
 : : :  
 5 : : 4  
 6 : : 8  
 : : :  
 +-----342-----+  
 ----- MA C20 OFFICE MASONRY FLOOR: 1.00 ----- TRAVERSE -----

----- IMPROVEMENT # 2 MISC IMPR-X -----  
 MAIN FIN AREA... ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. BY  
 STRAT..... 100 DESCRPT.... CONCRETE PAVING 4" MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... OFFICE CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST  
 COMPONENT TYPE/CODE/DESC PCT UNITS RATE STR# STR% SIZ% HGT% PER% CDS% COST %CMPL  
 MS PC2 CONCRETE PAVING 4"/G 100 27800.00 3.35 1.00 ----- 93,130  
 -----  
 RCN... PCT COMPLETE 100 x 93,130  
 QUAL.. QG 000 000 100.00 x 93,130  
 DEPR.. DA 44 YEARS .00 - 0  
 ADDL.. PHYSICAL DEPR 80.00 - 74,504  
 ECON.. 40.00 - 7,450 81,954 T  
 --FMV... 11,176

----- IMPROVEMENT # 3 MISC IMPR-X -----  
 MAIN FIN AREA... ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. BY  
 STRAT..... 100 DESCRPT.... 3" ASPHALT PAVING MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... OFFICE CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST  
 COMPONENT TYPE/CODE/DESC PCT UNITS RATE STR# STR% SIZ% HGT% PER% CDS% COST %CMPL  
 MS PA2 ASPHALT PAVING 3"/GO 100 237600.00 2.30 1.00 ----- 546,480  
 -----  
 RCN... PCT COMPLETE 100 x 546,480  
 QUAL.. QG 000 000 100.00 x 546,480  
 DEPR.. DA 44 YEARS .00 - 0  
 ADDL.. PHYSICAL DEPR 80.00 - 437,184  
 ECON.. 40.00 - 41,718 480,902 T  
 --FMV... 65,578

----- IMPROVEMENT # 4 MISC IMPR-X -----

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JDC MANUFACTURING LLC PARCEL ID.. 152400 PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 4 MISC IMPR-X -----  
 MAIN FIN AREA.. ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. BY  
 STRAT..... 100 DEPR... 6FT CHAIN LINK FENCE MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... OFFICE CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE%	HGT%	PER%	CDS%	COST	%CMPL
MS F06	6FT CHAIN LINK FENCE	100	3200.00	13.55	1.00						43,360	
	RCN...							100	x		43,360	
	QUAL.. QG 000							100.00	x		43,360	
	DEPR.. DA							.00	-	0		
	ADDL..							80.00	-	34,688		
	ECON..							40.00	-	3,468		
											18,156	T
	--FMV...										5,204	

----- IMPROVEMENT # 6 MAJOR IMPR-M -----  
 MAIN FIN AREA.. 20,800.00 ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. 6/29/1998 BY BN  
 STRAT..... 100 DEPR... WAREHOUSE MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... 71 WAREHOUSE CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE%	HGT%	PER%	CDS%	COST	%CMPL
MA C24	WAREHOUSE METAL	100	20800.00	19.45	1.00	100.00	92.00				372,195	
EW 33	METAL SIDING STEEL F100		680.00	.00							0	
AR 245	SUSPENDED UNIT HEATE100		20800.00	.85							17,680	
BI 800	SPRINKLER SYSTEM WET100		20800.00	1.15							23,920	
PD CL06	UNFINISHED	100	1.00	.00							0	
PD EL03	AVERAGE ELECTRIC	100	1.00	.00							0	
PD EX33	METAL SIDING/STL FRA100		1.00	.00							0	
PD FL10	CONCRETE RAISED	100	1.00	.00							0	
PD FN38	CONTINUOUS WALL REL 100		1.00	.00							0	
PD IF06	INT FINISH UNFINISHE100		1.00	.00							0	
PD PL03	PLUMBING AVERAGE	100	1.00	.00							0	
PD RF12	STEEL TRUSS/MTD	100	1.00	.00							0	
PD RM03	RF MATERIAL SHEET ME100		1.00	.00							0	
	RCN...							100	x		413,795	
	RCN...							100.00	x		413,795	
	QUAL.. QG D							100.00	x		413,795	
	DEPR.. CFR							60.00	-	248,277		
	FUNC..							25.00	-	41,379		
	ECON..							40.00	-	49,655		
											339,311	T
	--FMV...										74,484	





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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 9 MAJOR IMPR-M -----

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE	HGT	PER%	CDS%	COST	%CPL
AC C&DK	CAN/LOADING DOCK	100	800.00	23.70	1.00							18,960
AC DOCK	LOADING DOCK	100	800.00	17.00	1.00							13,600
MA I01	LT IND BLDG MASONRY	100	193764.00	26.90	1.00	100.00	89.00					4,638,903
EW 99	MULTIPLE TYPES	100	1890.00	.00								0
- AR 245	SUSPENDED UNIT HEATE	100	193764.00	.85								164,699
- BI 800	SPRINKLER SYSTEM WET	100	193764.00	1.15								222,828
- PD CL06	UNFINISHED	100	1.00	.00								0
- PD EL04	MAXIMUM ELECTRIC	100	1.00	.00								0
- PD EX99	MULTIPLE EXTERIOR TY	100	1.00	.00								0
- PD FL08	CONCRETE AT GRADE	100	1.00	.00								0
- PD FN38	CONTINUOUS WALL REI	100	1.00	.00								0
- PD IF10	INT FINISH PAINTED	100	1.00	.00								0
- PD PL04	PLUMBING GOOD	100	1.00	.00								0
- PD RF10	B J /RIGID INS	100	1.00	.00								0
- PD RM07	RF MATERIAL BUILTUP	100	1.00	.00								0
-----												
RCN...			PCT COMPLETE		41						2,074,185	
RCN...			COUNTY RCN ADJ		100.00						2,074,186	
QUAL... QG D+			CONSTRUCTION GRADE D		110.00						2,281,604	
DEPR... CFM			FAIR MASONRY		48.00				1,095,170			
FUNC...					25.00					296,608		
ECON...					40.00					355,930		
-----												
--FMV...											1,747,708	T
-----												
											533,896	

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JDC MANUFACTURING LLC PARCEL ID.. 152400 PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 9 MAJOR IMPR-M -----

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+-----462-----+
:
: 2
: 0
: 2
:
: +20
4
2
0
: 1
: 7
: 8
:
: +2
--602-----294-----3-----148--4
    
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----- AC C&DK CAN/LOADING DOCK ----- TRAVERSE -----
----- AC DOCK LOADING DOCK ----- TRAVERSE -----
----- MA I01 LT IND BLDG MASONRY FLOOR: 1.00 ----- TRAVERSE -----
    
```

----- IMPROVEMENT # 10 MAJOR IMPR-M -----

```

MAIN FIN AREA.. 193,764.00 ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. 6/29/1998 BY BN EXEMPT... 12
STRAT..... 100 DESCRPT.... MANUFACTURING BLDG MAINTAINED.. 6/10/2010 BY RMCCARTHY
MAIN GROUND SF.... 193,764.00
BUILT USE ..... 70 MANUFACTURING BUILDING CURRENT USE.... CE CURRENT USE EXEMPT
LOCATION #..... 1704 BARNES ST
    
```

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE	HGT%	PER%	CDS%	COST	%CML
AC C&DK	CAN/LOADING DOCK	100	800.00	23.70	1.00						18,960	
AC DOCK	LOADING DOCK	100	800.00	17.00	1.00						13,600	
MA I01	LT IND BLDG MASONRY	100	193764.00	26.90	1.00	100.00	89.00				4,638,903	
EW 99	MULTIPLE TYPES	100	1890.00	.00							0	
- AR 245	SUSPENDE UNIT HEATE	100	193764.00	.85							164,699	
- BI 567	DOCK LEVELERS	100	2.00	4510.00							9,020	
- BI 800	SPRINKLER SYSTEM WET	100	193764.00	1.15							222,828	
- PD CL06	UNFINISHED	100	1.00	.00							0	
- PD EL04	MAXIMUM ELECTRIC	100	1.00	.00							0	
- PD EX99	MULTIPLE EXTERIOR TV	100	1.00	.00							0	
- PD FL08	CONCRETE AT GRADE	100	1.00	.00							0	
- PD FN38	CONTINUOUS WALL REI	100	1.00	.00							0	
- PD IF10	INT FINISH PAINTED	100	1.00	.00							0	
- PD PL04	PLUMBING GOOD	100	1.00	.00							0	
- PD RF10	B J /RIGID INS	100	1.00	.00							0	

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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 10 MAJOR IMPR-M -----

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CML
- PD RM07 RF MATERIAL BUILTUP	100	1.00	.00								0
RCN...		PCT COMPLETE				59	x			2,990,125	
RCN...		COUNTY RCN ADJ.				100.00	x			2,990,126	
QUAL..	QG D+	CONSTRUCTION GRADE D				110.00	x			3,289,138	
DEPR..	CFM	FAIR MASONRY				48.00	-	1,578,786			
FUNC..						25.00	-	427,588			
ECON..						40.00	-	513,105		2,519,479	T
--FMV...										769,659	

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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 10 MAJOR IMPR-M -----

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+-----462-----+
:
:      2
:      0
:      2
:
:
:      +20
2      :
0      1
:      7
:      8
:
:
:      +2
--602-----294-----3-----148--4
    
```

```

----- AC C&DK CAN/LOADING DOCK ----- TRAVERSE -----
----- AC DOCK LOADING DOCK ----- TRAVERSE -----
----- MA I01 LT IND BLDG MASONRY FLOOR: 1.00 ----- TRAVERSE -----
    
```

----- IMPROVEMENT # 11 MISC IMPR-X -----

```

MAIN FIN AREA... ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. 8/10/2006 BY MM
STRAT..... 100 DESCRIPTION... YARD LIGHTS FOR/QUARTZ MAINTAINED.. 6/10/2010 BY RMCCARTHY
BUILT USE..... 107 YARD LIGHTS CURRENT USE.... CI CURRENT USE INDUSTRIAL
LOCATION #..... 1704 BARNES ST
    
```

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE%	HGT%	PER%	CDS%	COST	%CMLP
MS 325	YARD LIGHTS FOR/QUAR	100	1.00	800.00							800	
	RCN...		PCT COMPLETE				100	x			800	
	QUAL.. QG	000	000				100.00	x			800	
	DEPR.. DA		44 YEARS				.00	-		0		
	ADDL..		PHYSICAL DEPR				80.00	-		640		704 T
	ECON..						40.00	-		64		
	--FMV...											96

TOTAL PARCEL VALUES----	LAND /	OVR	IMPROVEMENTS / OVR	TOTAL LAND/IMPROVE	2010 VALUE
FMV.....	417,225		1,825,184	2,242,409	2,953,075
APV.....	417,225		1,825,184	2,242,409	2,953,075

0

<b>Tab E</b> Divider Page	
<b>Matching Funds Documentation 4280.111 (b) (5)</b>	
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.	X
Attach any applications, correspondence, or other written communication between applicant and matching fund source.	X
The matching funds letter is not a letter of intent. It should be a <u>commitment</u> to the project for a specific amount of dollars.	X

Per AN 4437 (4280-B) 5-19-09 – If financial resources come from the grantee, the grantee will submit documentation in the form of a bank statement that demonstrates availability of funds.

If a lender is providing financial assistance, then a commitment letter, signed by an authorized bank official would be needed. The letter must be:

- specific to the project,
- outline the amount of the loan, rates and terms.

A letter of intent or a pre-qualification letter would not be acceptable.

Letters that condition the funding on bank approval or other underwriting requirements is not acceptable.

An acceptable condition may be based on the receipt of the REAP grant or an appraisal of property being completed.

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.

Passive third party equity contributions are acceptable for renewable energy system projects, including those that are eligible for Federal production tax credits, provided the applicant meets the requirements of Section 4280.107 (applicant eligibility).

Applicant Name JDC Manufacturing, LLC  
 Matching Funds Commitment Documentation Spreadsheet  
 Title of Project 52.9kW Solar PV Project  
 Total Cost \$200,000 \_

	Source of Funds	Contact Name Phone, Fax Address	Dollars	Commitment Letter attached
1	Section 9007 Grant	Area Office Location Lynn Straughan, Asheboro, NC	\$ 50,000	Pending Award of Grant
2	Guaranteed 9007 Loan	Area Office Location	\$	Pending Award of G-loan
3	Applicant funds	Applicant Name	\$	
4	Lending Institution Loan	Exe 4	\$ 150,000	Yes
5			\$	
6			\$	
7	Investor funds		\$	
		Total Project Cost	\$ 200,000	(Should match total project cost on SF 424C located behind Tab A)

<b>Tab F</b> Divider Page	
<b>Self Evaluation Score 4280.111 (b) (6)</b>	
Self-score the project using the evaluation criteria 4280.112 (e).	X
Use Appendix C to 4280-B or Guide 4– Scoring Guideline to complete the evaluation.	Guide 4 follows this divider page.
<p>To justify the score, submit the total score along with appropriate calculations and <b>attached documentation</b>, or specific cross-references to information elsewhere in the application.</p> <p><b>Tab the documentation</b> attached to the score sheet to match the scoring criteria number. For example:</p> <p>Scoring criteria #1 – tab the documentation #1            Scoring criteria #2 – tab the documentation #2            Etc. Etc.</p>	

**Criteria #9 – Return on Investment (ROI) Per AN 4437 (4280-B) 5-19-09**

Energy generation project - ROI formula

Total Eligible Project costs (including REAP grant) divided by Average Net Income + (Interest Expense+ Depreciation Expense)

*Average Net Income:*

- All energy related revenue streams which include monetary benefits from Production Tax Credit (PTC), Renewable Energy Credit, Carbon Credits, revenue from byproducts produced by the energy system and other incentives that can be annualized.
- Is income remaining after all project obligations are paid (operating and maintenance), except interest and depreciation.
- Should be based on the project's typical year income (which is after the project is operating and stabilized) projections at the time of application submittal.
- Does not allow Investment Tax Credits, State tax incentives or other one time construction and investment related benefits that cannot be annualized to be included as income or reduce total eligible project costs.

Energy replacement and energy efficiency improvement project – ROI formula

Total Eligible Project Costs (including REAP Grant) divided by Dollar Value of Energy Produced (or Saved)

*Dollar Value of Energy Produced or Saved incorporates the following:*

- All energy related revenue streams which include monetary benefits from Production Tax Credit (PTC), Renewable Energy Credit, Carbon Credits, revenue from byproducts produced by the energy system and, other monetary incentives that can be annualized.
- Does not allow energy efficiency improvements to monetize benefits other than the dollar amount of the energy savings the agricultural producer or rural small business may realize as a result of the improvement.
- Does not allow Investment Tax Credits , State tax incentives or other one time construction and investment related benefits that cannot be annualized to be included as income or reduce total eligible project costs.

**Tab G**  
Divider Page

**Energy Audit**  
**(for Energy Efficiency Projects Only) 4280.111 (b) (7) (ii) (B)**

For energy efficiency improvement projects with total eligible project costs greater than \$50,000, an energy audit must be conducted by or reviewed and certified by an energy auditor.

N/A - Renewable

**Energy audit** - A report conducted by a Certified Energy Manager or Professional Engineer that focuses on potential capital-intensive projects and involves detailed gathering of field data and engineering analysis. The report will provide detailed project cost and savings information with a high level of confidence sufficient for major capital investment decisions. It will estimate costs, expected energy savings from the subject improvements, and dollars saved per year. The report will estimate weighted-average payback period in years.

**Tab H**  
Divider Page

**Technical Report**  
**(required of every project)**  
*4280.111 (b) (7) (i) (A) and (C)*

The Technical Report must be prepared in accordance with <u>Appendix A</u> , for projects with <u>total eligible project costs of \$200,000 or less.</u>	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 <u>not prepared in the following format</u> and in accordance with Appendix A, where applicable, will be penalized under scoring for technical merit.	X
<b>Technical Report Requirements – Please consult Appendix A guidelines at <a href="http://www.rur.doy.usda.gov/ia/rbcs_RE-EE_grants.html">http://www.rur.doy.usda.gov/ia/rbcs_RE-EE_grants.html</a></b>	
(1) <b>Qualifications of the project team</b> -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
(2) <b>Agreements and Permits</b> -The applicant has described the necessary agreements and permits required for the project and the schedule for securing those agreements and permits.	X
(3) <b>Energy or Resource Assessment</b> -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
(4) <b>Design and Engineering</b> -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
(5) <b>Project Development Schedule</b> -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.	X
(6) <b>Project Economic Assessment</b> -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
(7) <b>Equipment Procurement</b> - 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
(8) <b>Equipment Installation</b> -The applicant has described the plan for site development and system installation.	X
(9) <b>Operations and Maintenance</b> -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
(10) <b>Dismantling and disposal of project components</b> -The applicant has described the plan for dismantling and disposing of project components at the end of their useful lives and associated wastes.	X

**JDC Manufacturing, LLC**  
1704 Barnes St.  
Reidsville, NC 27320-5001

## **Open and Free Competition Certification**

This statement certifies that "open and free" competition will be used for the procurement of project components in a manner consistent with the requirements of 7 CFR part 3015.182.

Charles T Hagan III, Manager

Exe b







United States Department of Agriculture  
Rural Development  
Asheboro Area Office

December 12, 2012

JDC Manufacturing  
ATTN: Charles T. Hagan III  
1704 Barnes Street  
Reidsville, NC 27320

**Reference: Energy Grant Award and Required Reporting**

Dear Mr. Hagan:

You are receiving this letter because you were awarded and utilized an energy grant under the Rural Energy for America Program (REAP). As part of the grant agreement requirements, we need you to provide the actual cost savings and/or energy generated as a result of your solar PV project.

Please complete the enclosed form and return to our office via fax, e-mail, or mail not later than January 31, 2013.

Fax: 336-629-1032

E-mail: [lynn.straughan@nc.usda.gov](mailto:lynn.straughan@nc.usda.gov)

Mail: USDA Rural Development  
Attn: Lynn Straughan  
847 Curry Drive, Suite 104  
Asheboro, NC 27205

If you have any questions, please call me at 336-629-4449, Ext. 123.

Thank you in advance for your cooperation,

A handwritten signature in cursive script that reads "Lynn Straughan".

Lynn Straughan  
Area Specialist

Enclosure

847 Curry Drive, Suite 104, Asheboro, North Carolina 27205  
Phone: (336) 629-4449 Ext. 4 • Fax: (336) 629-1032 or (336) 629-2859  
Hearing Impaired: 711 • Web: <http://www.rurdev.usda.gov/nc>

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"USDA is an equal opportunity provider, employer and lender."  
To file a complaint of discrimination write USDA, Director, Office of Civil Rights, 1400 Independence Ave., S.W.  
Washington, DC 20250-9410, or call (800) 795-3272 (voice) or (202) 795-6262 (TDD).



Name of Grantee/Borrower: IDC Manufacturing  
 Name of Project: Solar PV System  
 Purpose of Grant/Loan: To generate green power and sell to grid  
 Amount(s) of Grant/Loan: Grant: \$50,000.00 Loan: N/A  
 Date of Grant/Loan Closing: 2/29/2011 7-22-11 Add Date Project Complete: 12/2011  
 (Report due end of the first calendar year after the year in which project construction was completed)

**Renewable Energy System Project Report  
 For Calendar Year January 1, 2012 – December 31, 2012:**

1. Quantity of Energy Produced Annually: (BTUs, Kilowatts, or similar energy equivalents) <i>Flex Fuel System ~ gallons of renewable fuel sold</i>		
2. Environmental Issues:		
3. Annual Income generated from and/or energy savings created as a result of the Renewable Energy System:		
4. Summary of Cost to Operate and Maintain the System:		
5. Description of any Maintenance or Operational problems associated with System:		
6. Recommendations for Development of Future Similar Projects:		
7. Actual Jobs Created:	Full-Time:	Part-Time:
8. Actual Jobs Saved/Retained:	Full-Time:	Part-Time:

**Feed Stock Report:**

1. Describe System Type: (i.e. Biomass or Anaerobic Digesters)	
2. Indicate Type of Feedstock Used in System:	
3. Amount of Feedstock Used:	

**COMMENTS:**



United States Department of Agriculture  
Rural Development

I acknowledge and understand the following as it relates to my Rural Energy for America Program (REAP) project,

1. A complete application package must be received by USDA Rural Development prior to the start of my project.
2. A complete package includes all of the required application forms, a Technical Report, and an Energy Audit. Energy Audits are required on all energy efficiency improvements projects.
3. Obtaining an Energy Audit is my responsibility. I can get an Energy Audit by completing the attached "Farm Bureau Energy Audit Application" and submitting it as instructed on the form.
4. If I purchase equipment and/or start construction prior to USDA Rural Development receiving all of the required forms, Technical Report, and Energy Audit (if required), my project is not eligible for REAP assistance and my application becomes void.
5. In order to apply, I must provide the following items to USDA Rural Development:
  - Copy of most recent filed Individual or Corporate Tax Return
  - If applying as a rural small business – Copy of Legal Organizational Documents
  - Verification of 75% matching funds – Documentation can be a bank statement, investment house statement, or bank or farm credit letter indicating you can receive a loan for 75% of the project cost or have same amount available on a line of credit
  - Evidence of ownership of the project/property, typically a county tax card or a long-term lease agreement
  - Copy of all estimates to calculate total project cost or Turn-Key Quote
  - If equipment to be installed, need literature with specifications and warranty information
  - Prior year energy usage from gas and/or electric company
  - Data Universal Numbering System (DUNS) Number – Instructions on how to obtain are attached

Applicant Signature

Date

847 Curry Drive, Suite 104, Asheboro, North Carolina 27205  
Phone: (336) 629-4449 Ext. 4 • Fax: (336) 629-1032 or (336) 629-2859  
TDD: (818) 873-2003 • Web: <http://www.rurdev.usda.gov/nc>

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To file a complaint of discrimination write USDA, Director, Office of Civil Rights, 1400 Independence Ave., S.W.  
Washington, DC 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD).

Exe 6

6/13/11

USDA-Rural Development  
Form RD 1940-22  
(Rev. 6-88)

**ENVIRONMENTAL CHECKLIST FOR  
CATEGORICAL EXCLUSIONS**

**I. Description**

a. Name of Project:  
Solar PV System

b. Project Number:  
JDC Manufacturing

c. Location:  
1704 Barnes Street  
Reidsville, NC 27320

**2. Protected Resources**

For the below listed land uses or environmental resources, the undersigned has checked Column A to indicate those that are present within the site(s) of the proposed action. Column B has been checked for those that are within the action's area of environmental impact, such as the areas adjacent to the proposed site(s). Column C has been checked for those land uses and environmental resources that will be affected by the proposed action, as defined in Section 1940.317. (Check appropriate box or circle, as provided. If a check appears in any circle in column A, B, or C, the environmental assessment for a Class I action must be completed).

	<u>A</u>		<u>B</u>		<u>C</u>	
	Located on Proposed Site(s)		Located within Actions's Area of Environmental Impact		Affected by Proposed Action	
	Yes	No	Yes	No	Yes	No
a. Wetlands .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Floodplains with existing structure(s) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Floodplains without existing structure(s) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Wilderness ( <i>designated or proposed under the Wilderness Act</i> ) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Wild or Scenic River ( <i>proposed or designated under the Wild and Scenic Rivers Act</i> ) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Historical, Archeological Sites ( <i>listed on the National Register of Historic Places or which may be eligible for listing</i> ) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Critical Habitat or Endangered/Threatened Species ( <i>listed or proposed</i> ) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Coastal Barrier included in Coastal Barrier Resources System .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Natural Landmark ( <i>listed on National Registry of Natural Landmarks</i> ) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. Important Farmlands .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
k. Prime Forest Lands .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
l. Prime Rangeland .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
m. Approved Coastal Zone Management Area .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
n. Sole Source Aquifer Recharge Area ( <i>designated by Environmental Protection Agency</i> ) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
o. State Water Quality Standard .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3. Compliance With Highly Erodible Land and Wetland Conservation Requirements

Yes  No This action is subject to the highly erodible land and wetland conservation requirements contained in Exhibit M of RD Instruction 1940-G.

If "yes " is checked, complete (a), (b), (c), and (d).

a. Attached as Exhibit \_\_\_\_\_ is a completed Form SCS-CPA-026 which documents the following:

Yes  No Highly erodible land is present on the farm property.

Yes  No Wetland is present on the farm property.

Yes  No Converted wetland is present on the farm property.

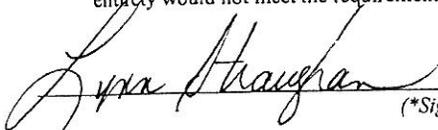
b.  Yes  No This action qualifies for the following exemption allowed under Exhibit M:

c.  Yes  No The applicant must complete the following requirements prior to approval of the action in order to retain or regain its eligibility for Agency financial assistance:

d.  Yes  No Under the requirements of Exhibit M, the applicant's proposed activities are eligible for Agency financial assistance.

4. Finding

This proposal meets, in terms of its size and components, the criteria for a categorical exclusion as defined in Sections 1940.310 and 1940.317. As indicated in item 2 above, the proposal does not affect any important land uses or environmental resources that would subject it to disqualification as a categorical exclusion. Finally, the proposal is neither a phase nor segment of a project which when viewed in its entirety would not meet the requirements of a categorical exclusion per Section 1940.317 (d).

  
\_\_\_\_\_  
(\*Signature of Preparer)

06-13-2011  
\_\_\_\_\_  
(Date)

Area Specialist  
\_\_\_\_\_  
(Title)

\_\_\_\_\_  
\*(Signature of Concurring Official)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Title)

\* See Section 1940 302 for listing of Agency officials authorized to prepare this form. See Section 1940 316 for when a concurring official's signature is required and who is authorized to sign as the concurring official.

DATE OF REVIEW 06-13-2011	<b>COMPLIANCE REVIEW</b>  (Nondiscrimination by Recipients of Financial Assistance through U. S. Department of Agriculture)	STATE North Carolina
SOURCE OF FUNDS  <input type="checkbox"/> Direct <input type="checkbox"/> Insured		COUNTY Rockingham
		CASE NUMBER
		DATE LOAN OR GRANT CLOSED

Exe 4

<b>TYPE OF ASSISTANCE</b>	<input type="checkbox"/> Water and Waste Disposal Loan or Grant	<input type="checkbox"/> RRH and LH Organization
<input type="checkbox"/> Housing Preservation Grant	<input type="checkbox"/> Grazing Association	<input type="checkbox"/> Intermediary Relending Program
<input type="checkbox"/> RBEG	<input type="checkbox"/> EO Cooperative	<input type="checkbox"/> Rural Housing Site Loans
<input type="checkbox"/> RBOG	<input type="checkbox"/> Community Facilities	<input type="checkbox"/> Cooperative Service
<input type="checkbox"/> B&I Loans	<input type="checkbox"/> RMAP	<input checked="" type="checkbox"/> Other REAP Energy Grant

NAME OF BORROWER ORGANIZATION OR ASSOCIATION  
JDC Manufacturing, LLC

ADDRESS OF BORROWER  
1704 Barnes Street, Reidsville, NC 27320

**I. STATISTICAL INFORMATION**

(For the purpose of this report, the term "PARTICIPANTS" will be used to describe "USER," "MEMBERS," "OCCUPANTS," "SITE PURCHASER" OR Potential Users for pre-loan closing compliance reviews, as applicable.)

A(1).

ETHNICITY	POPULATION		PARTICIPANTS			
	No.	%	THIS REVIEW		LAST REVIEW	
	No.	%	No.	%	No.	%
Hispanic or Latino	381	2.6000	N/A	0	N/A	0
Not Hispanic or Latino	14104	97.4000	N/A	0	N/A	0
<b>TOTAL</b>	14485	100%	N/A	0	N/A	0
<b>MALE</b>	6623	45.7000	N/A	0	N/A	0
<b>FEMALE</b>	7862	54.3000	N/A	0	N/A	0

According to the paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a persons 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 and 0570-0062. The time required to complete this information collection is estimated to average 8 hours per response, including the time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.





**Number of Applications Received**

	<b>Number of</b>	<b>Number of</b>	<b>Number of</b>	<b>Number of</b>
<b>This Review</b>	<b>Last Review</b>	<b>Applications Approved</b>	<b>Applications Rejected</b>	<b>Applications Withdrawn</b>

RACE	No.	%	No.	%	No.	%	No.	%	No.	%	
American Indian/ Alaskan Native	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	
Asian	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	
Black or African American	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	
Native Hawaiian or Other Pacific Islander	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	
White	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	
<b>TOTAL</b>	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	
<b>TOTAL</b>	<b>Male</b>	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0
	<b>Female</b>	N/A	0	N/A	0	0	0	N/A	0	N/A	0

A. Are racial and gender of the participants and the number of employees in proportion to the population percentages?  
 .....  YES  NO

B. Number of participants as of last review: \_\_\_\_\_ Date of last review: \_\_\_\_\_

C. Are all interested individuals permitted to file an application (written or otherwise) for participation?.....  YES  NO  
 If "NO" explain why not: N/A-Partnership for real estate investments - No participants

D. Does or will recipient of financial assistance maintain adequate records on the receipt and disposition of applications, including a list of applicants wishing to become participants?.....  YES  NO  
 If "NO" what action is being taken to establish adequate records: N/A-Partnership for real estate investments - No participants

If "YES" number of applicants wishing to become participants on list ..... \_\_\_\_\_  
 Number on list from minority group ..... \_\_\_\_\_  
 The list of the applicants will include ethnicity, race, and gender of potential applicants.

E. Number of applications received from prospective participants since last review: Total ..... \_\_\_\_\_

If zero skip to III.  
 From minority group applicants ..... \_\_\_\_\_

F. Number of applications which have been withdrawn since last review: Total ..... \_\_\_\_\_  
 Number of applications which have been rejected since last review: Total ..... \_\_\_\_\_  
 From minority group applicants ..... \_\_\_\_\_

G. Number of applications now pending on which no action has been taken: Total ..... \_\_\_\_\_  
 From minority group applicants..... \_\_\_\_\_

### III. LOCATION OF THE FACILITY

A. Does the location of the facility or complex have the effect of denying access to any person on the basis of race, color, national origin, age, sex, or disability? .....  YES  NO

B. Describe the racial makeup of the area surrounding the facility (if area is not the same as population).

The immediate racial makeup surrounding the facility is 30-40% minority. Within a .7 mile radius, the racial makeup is very diversified, as documented and attached to RD Form 2006-38, Civil Rights Impact Analysis.

### IV. USE OF SERVICES AND FACILITIES

A. Are all participants required to pay the same fees, assessments, and charges per unit for the use of the facilities?.....  YES  NO

If "NO", explain: N/A-Partnership for real estate investments - No participants

B. Explain how charges for services, i.e., rent, connection, and user fees are assessed.

N/A-Partnership for real estate investments - No participants

C. Is the use of the services or the facilities restricted in any manner because of race, color, or national origin?.....  YES  NO

If "YES", explain:

N/A-Partnership for real estate investments - No participants

D. Is there evidence that individuals, in a protected class, are provided different services, charged different or higher rate amounts than others? .....  YES  NO

If "YES", explain:

N/A-Partnership for real estate investments - No participants

E. List the methods used by the recipient to inform the community of the availability of services or benefits of the facility. (newspaper, radio, tv, etc.). N/A-Partnership for real estate investments - No participants

F. Do these methods reach the minority group population equally with the rest of the community?.....  YES  NO

G. Are appropriate Equal Opportunity posters conspicuously displayed? (And Justice For All and the Fair Housing poster) .....  YES  NO

H. Do written materials, i.e., ads, pamphlets, brochures, handbooks and manuals, have a nondiscrimination statement, Fair Housing, and/or accessibility logo or Equal Opportunity statement? .....  YES  NO

I. Describe the efforts of the recipient to attract minorities, females, and persons with disabilities to serve on the advisory board, board of directors, or similar boards.

N/A - This is a partnership of 3 managers/owners developed for the investment in real estate.

J. Indicate whether the facility is being properly maintained and whether services are provided on a timely basis.

Solar PV System is properly maintained by the owner. Solar energy produced by system is sold to local utility company.

K. Describe any restrictions that may exist on the use of the facility, i.e., no playgrounds for children; restrictions on use by minorities, segregated or prohibited by age or disability of tenant or other participants.

None

L. If participation is restricted by age of beneficiary, please indicate any Federal statute, or state or local ordinance which may permit such restrictions.

None

M. How does this facility compare-with other similar facilities in the area serving low income beneficiaries which are privately or federally financed by other agencies.

N/A - This facility is a solar PV system owned and operated by JDC Manufacturing. The facility produces energy from the sun which is sold to local utility company.

Answer N for RRH and LH only:

N. Does the organization's Operating Rules provide for standard reasons for eviction? .....  YES  NO

If "YES," specify: N/A

Are these reasons stipulated in the Lease Agreements? .....  YES  NO

If not, how are they made known to participants? N/A

**V. ACCESSIBILITY REQUIREMENTS (DISABILITY)  
(For All Programs Funded By Rural Development)**

A. Does the facility or project have an accessible route through common use areas? .....  YES  NO

Solar PV System is located on roof of building owned by JDC Manufacturing in Reidsville, NC. The building is accessible by all and has no structural barriers.

B. Has a self-evaluation for Section 504 of the Rehabilitation Act been conducted and a transition plan developed for all structural barriers? .....  YES  NO

C. Does this facility or project have a Telecommunication Device for the Deaf (TDD) or participate in a relay service? .....  YES  NO

If not, is this part of the self-evaluation and transition plan? .....  YES  NO

D. Describe reasonable accommodations made by the recipient for making the program accessible to individuals with disabilities.

Solar PV System is located on roof of building owned by JDC Manufacturing in Reidsville, NC. The building is accessible by all and has no structural barriers.

**VI. ACCESSIBILITY REQUIREMENTS FOR RURAL RENTAL HOUSING**

A. Does the complex meet the 5% accessibility requirement of 504 of the Rehabilitation Act of 1973 for facilities built after June 1982? .....  YES  NO

B. Are the units occupied by persons with disabilities in need of the special design features? .....  YES  NO

C. If not, indicate what outreach has been conducted utilizing appropriate organizations and advertising to reach the individuals in need of such units.

N/A - Project not Rural Rental Housing.

**VII. ACCESSIBILITY REQUIREMENTS FOR COMMUNITY FACILITIES  
(Health Care Facilities)**

A. List methods used by health care providers to communicate with the hearing impaired in the emergency room.  
N/A - Project not a health care facility.

B. List methods used to communicate waivers and consent to treatment requirements to persons with disabilities, including those with impaired sensory or speaking skills.  
N/A - Project not a health care facility.

C. Are there restrictions in delivery of services for the treatment of alcohol, drug addiction or other related illnesses?  
(Aids, Hepatitis) .....  YES  NO

**VIII. COMPLEXES AND FACILITIES THAT PROVIDE HOUSING  
(Nursing Homes, Retirement Group, Rural Rental)**

A. Does the facility have an approved Affirmative Fair Housing Marketing Plan? .....  YES  NO

B. Is there a copy of the most recently approved plan being used and conspicuously posted? .....  YES  NO

C. Is management meeting the objectives of the plan? .....  YES  NO

If not, is there an updated plan in place? \_\_\_\_\_

**IX. PROGRAMS THAT CREATE EMPLOYMENT**

A. Is there evidence that individuals in a protected class are required to meet different employment selection criteria than non-minorities? .....  YES  NO

B. Is there evidence that individuals of a protected class are being terminated in a disproportionate rate than non-minority employees?  
.....  YES  NO

C. Do recipients that employ fifteen or more persons have a designated person to coordinate its efforts to comply with Section 504 of the Rehabilitation Act of 1973? .....  YES  NO

D. Has the recipient provided reasonable accommodations to the known physical or mental impairment of employees with disabilities? .....  YES  NO

**X. CONTACTS WITH INDIVIDUALS AFFILIATED WITH THE FACILITY OR COMPLEX**

A. List contacts made with a diverse selection of tenants, users, patients, employees, and others affiliated with the facility or complex.  
List by name, race, sex, and disability (if provided).

B. Summarize comments made by the person(s) contacted.

---

**XI. COMMUNITY CONTACTS**


---

A. List contacts made with community leaders and organizations representing minorities, females, families with children, and individuals with disabilities. Include the date and the method of contact.

B. Summarize comments made by person(s) contacted.

---

**XII. PAST ASSISTANCE FROM RD OR OTHER FEDERAL AGENCY**


---

A. List past loans or other federal financial assistance from other agencies.

B. Does the recipient have a pending application with RD or another Federal agency? .....  YES  NO

---

**XIII. CIVIL RIGHTS COMPLIANCE HISTORY**

**Provide a history of the following:**

A. Compliance Review. Has this recipient had a finding of non-compliance by RD or another federal agency? .....  YES  NO

B. Discrimination Complaints. Has a complaint of prohibited discrimination been filed against this recipient in the past three (3) years? .....  YES  NO

C. Law Suit. Has a law suit based on prohibited discrimination been filed against this recipient in the past three (3) years? If so, describe and attach copies of the law suit. ....  YES  NO

D. Did the recipient take appropriate corrective or remedial action to achieve compliance with civil laws or to resolve any discrimination complaint cases or law suits? .....  YES  NO

E. Identify the resources and or contacts used in verifying the recipient's past civil rights compliance history.

**XIV. CONCLUSIONS**

A. Did your review of the records maintained by the association or organization disclose any evidence of discrimination on the grounds of race, color, national origin, sex, age, or disability in the services or use of the facility? .....  YES  NO  
If "YES," describe in detail such discrimination:

B. Did your contacts with community leaders, including minority leaders, disclose any evidence of discrimination as to race, color, national origin, sex, age, or disability in the services or use of the facility? .....  YES  NO

C. Did your observation of this borrower's operations or proposed operations indicate any discrimination on the grounds of race, color, national origin, sex, age, or disability in the services or use of the facility? .....  YES  NO

If "YES," describe in detail such discrimination:

D. Comments for other observations or conclusions:

This is a partnership involved in investment activities. JDC Manufacturing is investing in and installing a Solar PV System to produce green power to sell to the local utility company.

Based upon my observation of this borrower's operation or proposed operation and the attitude of the Governing Body and Officials it is my opinion that the Recipient  Is  Is Not complying with the requirements under Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Age Discrimination Act of 1975, and Title IX of the Education Amendments Act of 1972.

06-13-2011  
DATE

  
COMPLIANCE REVIEW OFFICER

**XV. RECIPIENT IS IN NON-COMPLIANCE (Complete only if there is a finding of non-compliance)**

A. Sent recipient notice of non-compliance on this date \_\_\_\_\_ .

B. Date of compliance meeting \_\_\_\_\_ .

C. Target date for recipient to voluntarily comply \_\_\_\_\_ .

D. Recipient has complied with all requirements and made all necessary corrective action by this date \_\_\_\_\_ .

E. Describe all meetings with recipient to achieve compliance.

F. Recipient has refused to voluntarily comply by this date \_\_\_\_\_ .

G. Comments:

Rural Development  
Environmental Justice (EJ) and Civil Rights Impact Analysis (CRIA)  
Certification

1. Applicant's name and proposed project description: JDC Manufacturing, LLC - Installing Solar PV System on top of building to generate green power

2. Rural Development's loan/grant program/guarantee or other Agency action: Section 9007 - Rural Energy for America Program Grant

3.  Attach a map of the proposal's area of effect identifying location or EJ populations, location of the proposal, area of impact or

Attach results of EJ analysis from the Environmental Protection Agency's (EPAs) EnviroMapper with proposed project location and impact footprint delineated.

4. Does the applicant's proposal or Agency action directly, indirectly or cumulatively affect the quality and/or level of services provided to the community?

Yes  No  N/A

5. Is the applicant's proposal or Agency action likely to result in a change in the current land use patterns (types of land use, development densities, etc)?

Yes  No  N/A

6. Does a demographic analysis indicate the applicant's proposal or Agency's action may disproportionately affect a significant minority and/or low-income populations?

Yes  No  N/A

If answer is no, skip to item 12. If answer is yes, continue with items 7 through 12.

7. Identify, describe, and provide location of EJ population \_\_\_\_\_

8. If a disproportionate adverse affect is expected to impact an EJ population, identify type/level of public outreach implemented. \_\_\_\_\_

9. Identify disproportionately high and adverse impacts on EJ populations. \_\_\_\_\_

10. Are adverse impacts appreciably more severe or greater in magnitude than the adverse impacts expected on non-minority/low-income populations?

Yes  No  N/A

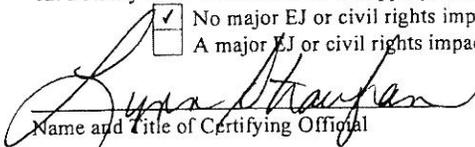
11. Are alternatives and/or mitigation required to avoid impacts to EJ populations?

Yes  No  N/A

If yes, describe \_\_\_\_\_

12. I certify that I have reviewed the appropriate documentation and have determined that:

- No major EJ or civil rights impact is likely to result if the proposal is implemented.  
 A major EJ or civil rights impact is likely to result if the proposal is implemented.

  
Name and Title of Certifying Official

06-13-2011

Date

JDC Manufacturing, LLC - 30-40% Minority



by Block  
PERC MINOR  
0 - 10  
10 - 20  
20 - 30  
30 - 40  
40 - 100

0.7 miles  
© 2011 EmoryMappper Corporation  
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JDC Manufacturing, LLC - 15% Below Poverty



by Blockgroup  
PERC\_BPOV  
0 - 10  
10 - 20  
20 - 30  
30 - 40  
40 - 100

0.7 miles  
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Image satellite, © 2008

bing  
EnviroMapper



## FACT SHEET

## Reidsville city, North Carolina

View a Fact Sheet for a race, ethnic, or ancestry group

## Census 2000 Demographic Profile Highlights:

## General Characteristics - show more &gt;&gt;

	Number	Percent	U.S.		
Total population	14,485			map	brief
Male	6,623	45.7	49.1%	map	brief
Female	7,862	54.3	50.9%	map	brief
Median age (years)	39.5	(X)	35.3	map	brief
Under 5 years	914	6.3	6.8%	map	
18 years and over	11,097	76.6	74.3%		
65 years and over	2,728	18.8	12.4%	map	brief
One race	14,313	98.8	97.6%		
White	8,260	57.0	75.1%	map	brief
Black or African American	5,725	39.5	12.3%	map	brief
American Indian and Alaska Native	31	0.2	0.9%	map	brief
Asian	93	0.6	3.6%	map	brief
Native Hawaiian and Other Pacific Islander	9	0.1	0.1%	map	brief
Some other race	195	1.3	5.5%	map	
Two or more races	172	1.2	2.4%	map	brief
Hispanic or Latino (of any race)	381	2.6	12.5%	map	brief
Household population	14,064	97.1	97.2%	map	brief
Group quarters population	421	2.9	2.8%	map	
Average household size	2.34	(X)	2.59	map	brief
Average family size	2.92	(X)	3.14	map	
Total housing units	6,477			map	
Occupied housing units	6,013	92.8	91.0%		brief
Owner-occupied housing units	3,484	57.9	66.2%	map	
Renter-occupied housing units	2,529	42.1	33.8%	map	brief
Vacant housing units	464	7.2	9.0%	map	

## Social Characteristics - show more &gt;&gt;

	Number	Percent	U.S.		
Population 25 years and over	10,063				
High school graduate or higher	6,922	68.8	80.4%	map	brief
Bachelor's degree or higher	1,572	15.6	24.4%	map	
Civilian veterans (civilian population 18 years and over)	1,479	13.4	12.7%	map	brief
Disability status (population 5 years and over)	3,591	27.1	19.3%	map	brief
Foreign born	514	3.6	11.1%	map	brief
Male, Now married, except separated (population 15 years and over)	3,001	58.4	56.7%		brief
Female, Now married, except separated (population 15 years and over)	2,882	45.0	52.1%		brief
Speak a language other than English at home (population 5 years and over)	753	5.6	17.9%	map	brief

## Economic Characteristics - show more &gt;&gt;

	Number	Percent	U.S.		
In labor force (population 16 years and over)	6,545	57.6	63.9%		brief
Mean travel time to work in minutes (workers 16 years and over)	21.2	(X)	25.5	map	brief
Median household income in 1999 (dollars)	31,040	(X)	41,994	map	
Median family income in 1999 (dollars)	37,553	(X)	50,046	map	
Per capita income in 1999 (dollars)	17,414	(X)	21,587	map	
Families below poverty level	455	11.6	9.2%	map	brief
Individuals below poverty level	2,134	15.1	12.4%	map	

## Housing Characteristics - show more &gt;&gt;

	Number	Percent	U.S.		
Single-family owner-occupied homes	3,227				brief

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ROCKINGHAM COUNTY  
 PROPERTY CARD  
 FOR YEAR 2011

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JDC MANUFACTURING LLC  
 PO BOX 1616

PARCEL ID.. 152400  
 LOCATION... 1704 BARNES ST  
 DEED YEAR/BOOK/PAGE.. 2006 1307 162  
 PLAT BOOK/PAGE..  
 LEGAL DESC:30.78 AC BARNES ST

PIN... 8904 19 71 2570 00  
 OWNER ID.. 1261465  
 DISTRICT.. 101 REIDSVILLE

REIDSVILLE NC 27323-1616 89041971267700  
 DESCRIPTION NCDENR PART EX 105-275 (8)  
 DESCRIPTION

TOWNSHIP... 7 REIDSVILLE  
 NBRHOOD... I300D WATLINGTON DRIVE INDUSTRI  
 NH CLASS..  
 PARTIALLY EXEMPT HVY IND REIDSVILLE

MAINTAINED... 6/10/2010 BY RMCCARTHY VALUED... 1/19/2011 BY MMCLINTOC  
 VISITED..... BY MM PREV PARCEL 152399  
 PARCEL STATUS... ACTIVE

EXEMPT.... \*\*\*\* MULTIPLE EXEMPTIONS  
 ROUTING#... 4700  
 CATEGORY.. REAL & PERSONAL

\*\*\*\*\*  
 \* LAND VALUED BY NEIGHBORHOOD BASE RATE METHOD \*

DEED BK/PAGE		SALE DATE	SALES INSTRUMENT	DISQUALIFIED	SALE AMOUNT	STAMP AMOUNT	DEED NAME
1307	162	12/22/2006	DEED	QUALIFIED	2,100,000		JDC MANUFACTURING LLC
811	1448	5/16/1997	SPLIT	OTHER/SHORT SAL			ADVANCED METALLURGY INC

LAND SEGMENTS													
LND #	ZONE	STRAT CODE	LAND TYPE/CODE	LAND QTY	AVERAGE LAND RATE	DPT%	SHP%	LOC%	SIZ%	OTH%	TOP%	TOT ADJ	CURRENT FMV
1	I2H1R	100	AC IP	12.380	21,058.16	.00	.00	.00	.00	100.00	100.00	.00	260,700
2	I2H1R	100	AC IR	15.780	4,938.21	.00	.00	.00	.00	100.00	100.00	.00	77,925
3	I1L1R	100	AC IP	2.620	30,000.00	.00	.00	.00	.00	100.00	100.00	.00	78,600
TOTAL ACRES..				30.780							TOTAL LAND FMV..		417,225

IMPROVEMENT # 1 MAJOR IMPR-M  
 MAIN FIN AREA... 16,752.00  
 STRAT..... 100  
 BUILT USE..... 41 OFFICE  
 LOCATION #..... 1704 BARNES ST

ACT/EFF YR/AGE.. 1967 1967 44  
 VISITED.. 5/26/1998 BY BN  
 DESCRPT... OFFICE  
 MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 MAIN GROUND SF.... 16,752.000  
 CURRENT USE.... CI CURRENT USE INDUSTRIAL

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CPL
MA C20	OFFICE MASONRY	100	16752.00	75.40	1.00	100.00	96.00				1,212,576	
EW 99	MULTIPLE TYPES	100	796.00	.00							0	
- AR 220	FORCED HOT AIR&AC	100	16752.00	3.95							66,170	
- PD CL09	SUSP CEILING	100	1.00	.00							0	
- PD EL03	AVERAGE ELECTRIC	100	1.00	.00							0	
- PD EX99	MULTIPLE EXTERIOR TY100	100	1.00	.00							0	
- PD FL99	MULTIPLE FLOOR TYPES100	100	1.00	.00							0	
- PD FN38	CONTINUOUS WALL REI 100	100	1.00	.00							0	
- PD IP99	INT FINISH MULTIPLE 100	100	1.00	.00							0	
- PD PL03	PLUMBING AVERAGE	100	1.00	.00							0	
- PD RF13	STEEL TRUSS/RGIN	100	1.00	.00							0	

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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 1 MAJOR IMPR-M -----

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CPL
- PD RM07 RF MATERIAL BUILTUP	100	1.00	.00								0
RCN...						100	x			1,278,746	
RCN...						100.00	x			1,278,747	
QUAL... QG D+						110.00	x			1,406,621	
DEPR... CAM						44.00	-	618,913			
FUNC...						25.00	-	196,927			
ECON...						40.00	-	236,312		1,052,152	T
--FMV...										354,469	

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JDC MANUFACTURING LLC PARCEL ID.. 152400 PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 1 MAJOR IMPR-M -----  
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MA C20 OFFICE MASONRY FLOOR: 1.00 TRAVERSE

----- IMPROVEMENT # 2 MISC IMPR-X -----  
 MAIN FIN AREA.. ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. BY  
 STRAT..... 100 DEPR... DA 44 YEARS MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... OFFICE DESCRIPTION... 3" CONCRETE PAVING 4" CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CML
MS PC2 CONCRETE PAVING 4"/G	100	27800.00	3.35	1.00						93,130	
RCN...						100	x			93,130	
QUAL.. QG 000						100.00	x			93,130	
DEPR.. DA						.00	-		0		
ADDL..						80.00	-		74,504		
ECON..						40.00	-		7,450		81,954 T
--FMV...											11,176

----- IMPROVEMENT # 3 MISC IMPR-X -----  
 MAIN FIN AREA.. ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. BY  
 STRAT..... 100 DEPR... DA 44 YEARS MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... OFFICE DESCRIPTION... 3" ASPHALT PAVING CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZ%	HGT%	PER%	CDS%	COST	%CML
MS PA2 ASPHALT PAVING 3"/GO	100	237600.00	2.30	1.00						546,480	
RCN...						100	x			546,480	
QUAL.. QG 000						100.00	x			546,480	
DEPR.. DA						.00	-		0		
ADDL..						80.00	-		437,184		
ECON..						40.00	-		43,718		480,902 T
--FMV...											65,578

----- IMPROVEMENT # 4 MISC IMPR-X -----

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----- IMPROVEMENT # 4 MISC IMPR-X -----

MAIN FIN AREA.. ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. BY  
 STRAT..... 100 DEPR... 6FT CHAIN LINK FENCE MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... OFFICE CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE%	HGT%	PER%	CDS%	COST	%CMPL
MS F06	6FT CHAIN LINK FENCE	100	3200.00	13.55	1.00						43,360	
	RCN...		PCT COMPLETE			100	x				43,360	
	QUAL.. QG	000	000			100.00	x				43,360	
	DEPR.. DA		44 YEARS			.00	-		0			
	ADDL..		PHYSICAL DEPR			80.00	-		34,688			
	ECON..					40.00	-		3,468		38,156	T
	--FMV...										5,204	

----- IMPROVEMENT # 6 MAJOR IMPR-M -----

MAIN FIN AREA.. 20,800.00 ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. 6/29/1998 BY BN  
 STRAT..... 100 DEPR... WAREHOUSE MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... 71 WAREHOUSE CURRENT USE.... CC CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE%	HGT%	PER%	CDS%	COST	%CMPL
MA C24	WAREHOUSE METAL	100	20800.00	19.45	1.00	100.00	92.00				372,195	
- EW 33	METAL SIDING STEEL F100		680.00	.00							0	
- AR 245	SUSPENDED UNIT HEATE100		20800.00	.85							17,680	
- BI 800	SPRINKLER SYSTEM WET100		20800.00	1.15							23,920	
- PD CL06	UNFINISHED	100	1.00	.00							0	
- PD EL03	AVERAGE ELECTRIC	100	1.00	.00							0	
- PD EX33	METAL SIDING/STL FRA100	100	1.00	.00							0	
- PD FL10	CONCRETE RAISED	100	1.00	.00							0	
- PD FN38	CONTINUOUS WALL REI 100	100	1.00	.00							0	
- PD IF06	INT FINISH UNFINISHE100	100	1.00	.00							0	
- PD PL03	PLUMBING AVERAGE	100	1.00	.00							0	
- PD RF12	STEEL TRUSS/MTD	100	1.00	.00							0	
- PD RM03	RF MATERIAL SHEET ME100	100	1.00	.00							0	
	RCN...		PCT COMPLETE			100	x				413,795	
	RCN...		COUNTY RCN ADJ			100.00	x				413,795	
	QUAL.. QG	D	CONSTRUCTION GRADE D			100.00	x				413,795	
	DEPR.. CFR		FAIR RSF			60.00	-		248,277			
	FUNC..					25.00	-		41,379			
	ECON..					40.00	-		49,655		339,311	T
	--FMV...										74,484	

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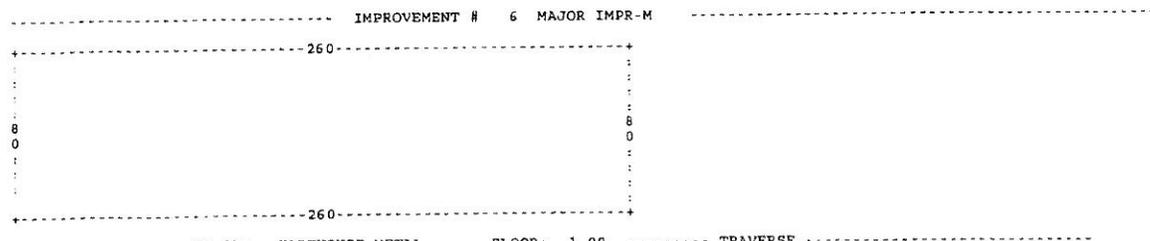
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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00



----- IMPROVEMENT # 7 MAJOR IMPR-M -----

MAIN FIN AREA... 1,640.00      ACT/EFF YR/AGE.. 1982 1982 29      VISITED.. BY  
 STRAT..... 100      DESCRIPT... WAREHOUSE      MAINTAINED.. 6/10/2010 BY RMCCARTHY  
 BUILT USE..... 71 WAREHOUSE      MAIN GROUND SF.... 1,640.000      CURRENT USE.... CC      CURRENT USE COMMERCIAL  
 LOCATION #..... 1704 BARNES ST

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE	HGT%	PER%	CDS%	COST	%Cmpl
MA C24 WAREHOUSE METAL	100	1640.00	19.45	1.00	100.00	107.00				34,130	
EW 19 SHEET METAL	100	162.00	.00							0	
- AR 200 COMM NO HEAT	100	1640.00	.00							0	
- PD CL06 UNFINISHED	100	1.00	.00							0	
- PD EL03 AVERAGE ELECTRIC	100	1.00	.00							0	
- PD EX19 SHEET METAL	100	1.00	.00							0	
- PD FL10 CONCRETE RAISED	100	1.00	.00							0	
- PD FN18 CONTINUOUS WALL REI	100	1.00	.00							0	
- PD IF06 INT FINISH UNFINISHE	100	1.00	.00							0	
- PD PL01 PLUMBING NONE	100	1.00	.00							0	
- PD RF12 STEEL TRUSS/MTD	100	1.00	.00							0	
- PD RM03 RF MATERIAL SHEET ME	100	1.00	.00							0	

RCN...	PCT COMPLETE	100	x							34,130	
RCN...	COUNTY RCN ADJ	100.00	x							34,130	
QUAL... QG D	CONSTRUCTION GRADE D	100.00	x							34,130	
DEPR... CFR	FAIR RSF	55.00	-					18,771			
FUNC..		25.00	-					3,819			
ECON..		40.00	-					4,608		27,218	T
--FMV...										6.912	

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JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

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 IMPROVEMENT # 9 MAJOR IMPR-M  
 -----

COMPONENT TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE	HGT	PER%	CDS%	COST	%CPL
AC C&DK CAN/LOADING DOCK	100	800.00	23.70	1.00						18,960	
AC DOCK LOADING DOCK	100	800.00	17.00	1.00						13,600	
MA 101 LT IND BLDG MASONRY	100	193764.00	26.90	1.00	100.00	89.00				4,638,903	
EW 99 MULTIPLE TYPES	100	1890.00	.00							0	
- AR 245 SUSPENDE UNIT HEATE100		193764.00	.85							164,699	
- BI 800 SPRINKLER SYSTEM WET100		193764.00	1.15							222,828	
- PD CL06 UNFINISHED	100	1.00	.00							0	
- PD EL04 MAXIMUM ELECTRIC	100	1.00	.00							0	
- PD EX99 MULTIPLE EXTERIOR TY100	100	1.00	.00							0	
- PD FL08 CONCRETE AT GRADE	100	1.00	.00							0	
- PD FN38 CONTINUOUS WALL REI 100	100	1.00	.00							0	
- PD IF10 INT FINISH PAINTED	100	1.00	.00							0	
- PD PL04 PLUMBING GOOD	100	1.00	.00							0	
- PD RF10 B J /RIGID INS	100	1.00	.00							0	
- PD RM07 RF MATERIAL BUILTUP 100	100	1.00	.00							0	

RCN...	PCT COMPLETE	41	x							2,074,185	
RCN...	COUNTY RCN ADJ	100.00	x							2,074,186	
QUAL.. QG D+	CONSTRUCTION GRADE D	110.00	x							2,281,604	
DEPR.. CFM	FAIR MASONRY	48.00	-					1,095,170			
FUNC..		25.00	-					296,608			
ECON..		40.00	-					355,930		1,747,708	T
--FMV...										533,896	



DATE 2/09/11  
 TIME 0:05:17  
 USER RONNIE

ROCKINGHAM COUNTY  
 PROPERTY CARD  
 FOR YEAR 2011

PAGE 9  
 PROG# AS2006

JDC MANUFACTURING LLC

PARCEL ID.. 152400

PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 10 MAJOR IMPR-M -----

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE	HGT	PER%	CDS%	COST	%CMPL
PD	RM07 RP MATERIAL BUILTUP	100	1.00	.00								0
	RCN...						59	X			2,990,125	
	RCN...						100.00	X			2,990,126	
	QUAL. QG D+						110.00	X			3,289,138	
	DEPR. CFM						48.00	-	1,578,786			
	FUNC...						25.00	-	427,588			
	ECON...						40.00	-	513,105			
											2,519,479	T
											769,659	
	--FMV...											

0

DATE 2/09/11  
 TIME 0:05:17  
 USER RONNIE

ROCKINGHAM COUNTY  
 PROPERTY CARD  
 FOR YEAR 2011

PAGE 10  
 PROG# AS2006

JDC MANUFACTURING LLC      PARCEL ID.. 152400      PIN... 8904 19 71 2570 00

----- IMPROVEMENT # 10 MAJOR IMPR-M -----

```

+-----462-----+
:
:      2
:      0
:      2
:
:      +20
4      1
2      7
0      8
:
:      +2
--602-----294-----3-----148-----4
    
```

```

----- AC C&DK CAN/LOADING DOCK ----- TRAVERSE -----
----- AC DOCK LOADING DOCK ----- TRAVERSE -----
----- MA 101 LT IND BLDG MASONRY FLOOR: 1.00 ----- TRAVERSE -----
    
```

----- IMPROVEMENT # 11 MISC IMPR-X -----

```

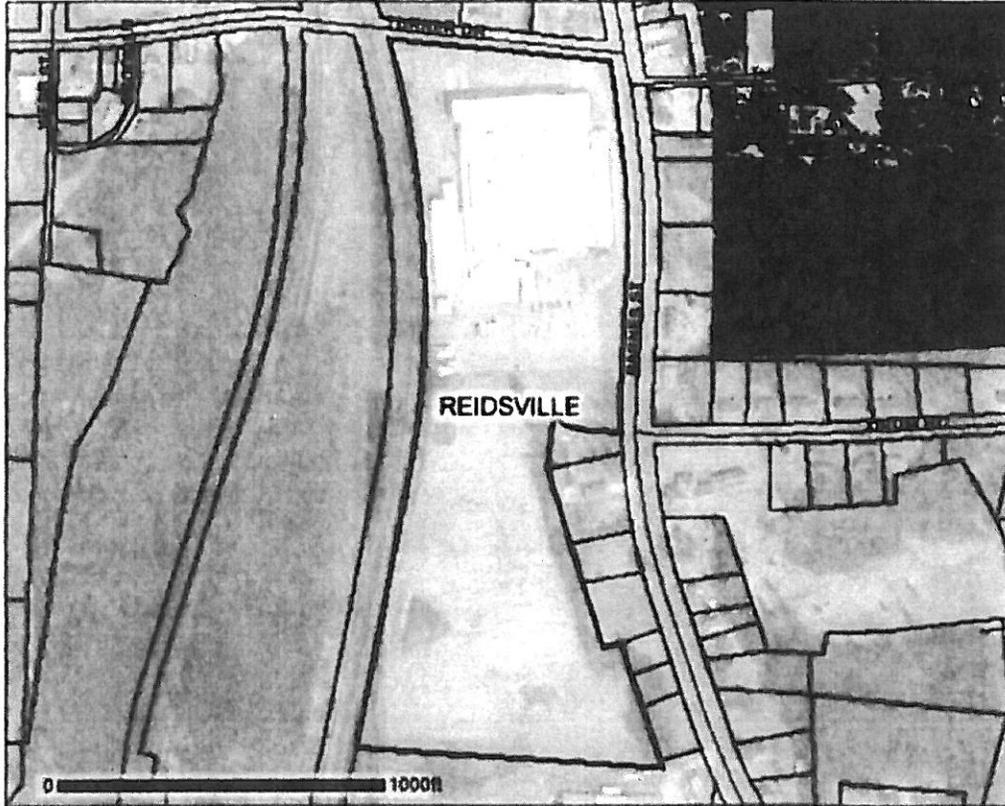
MAIN FIN AREA.. ACT/EFF YR/AGE.. 1967 1967 44 VISITED.. 8/10/2006 BY MM
STRAT..... 100 DESCRIPT.... YARD LIGHTS FOR/QUARTZ MAINTAINED.. 6/10/2010 BY RMCCARTHY
BUILT USE..... 107 YARD LIGHTS CURRENT USE.... CI CURRENT USE INDUSTRIAL
LOCATION #..... 1704 BARNES ST
    
```

COMPONENT	TYPE/CODE/DESC	PCT	UNITS	RATE	STR#	STR%	SIZE%	HGT%	PER%	CDS%	COST	%Cmpl
MS 325	YARD LIGHTS FOR/QUAR	100	1.00	800.00								800
	RCN...						100	x				800
	QUAL.. QG	000					100.00	x				800
	DEPR.. DA						.00	-		0		
	ADDL..						80.00	-		640		704 T
	ECON..						40.00	-		64		
	--FMV...											96

TOTAL PARCEL VALUES----	LAND /	OVR	IMPROVEMENTS / OVR	TOTAL LAND/IMPROVE	2010 VALUE
FMV.....	417,225		1,825,184	2,242,409	2,953,075
APV.....	417,225		1,825,184	2,242,409	2,953,075

0

### Rockingham County, NC



**DISCLAIMER:** The information contained on this page is NOT to be construed or used as a "legal description". Map information is believed to be accurate but accuracy is not guaranteed.

### JDC Manufacturing

#### Parcels

Long PIN: 890419712570  
Parcel Number: 152400  
Owner ID: 1261465  
Owner:  
JDC MANUFACTURING LLC  
PO BOX 1616  
REIDSVILLE NC

Fire District: REIDSVILLE  
Township: 7  
Deed Book: 1307 Pg: 162  
Date Sold: 20061222  
Sales Amount: 2100000  
Year Built: 1982  
Land Value: \$417,225  
Improvement Value: \$1,825,184  
Total Value: \$2,242,409

<http://www.webgis.net> Anderson & Associates, Inc. <http://www.andassoc.com>

USDA  
Form RD 1940-1  
(Rev. 08-10)

REQUEST FOR OBLIGATION OF FUNDS

FORM APPROVED  
OMB No. 0570-0062

INSTRUCTIONS-TYPE IN CAPITALIZED ELITE TYPE IN SPACES MARKED ( ) Complete Items 1 through 29 and applicable items 30 through 34. See FMI.			
1. CASE NUMBER ST CO BORROWER ID		LOAN NUMBER <b>Exe 4</b>	FISCAL YEAR 11
2. BORROWER NAME JDC Manufacturing, LLC		3. NUMBER NAME FIELDS 3 (1, 2, or 3 from Item 2)	
1704 Barnes Street		4. STATE NAME NORTH CAROLINA	
Reidsville, 27320		6. COUNTY NAME Rockingham	
GENERAL BORROWER/LOAN INFORMATION			
8. RACE/ETHNIC CLASSIFICATION 1 - WHITE 2 - BLACK 3 - A/AN 4 - HISPANIC 5 - API	7. TYPE OF APPLICANT 1 - INDIVIDUAL 2 - PARTNERSHIP 3 - CORPORATION 4 - PUBLIC BODY 5 - ASSOC. OF FARMERS 6 - ORG. OF FARMERS 7 - NONPROFIT-SECULAR 8 - NONPROFIT-FAITH BASED 9 - INDIAN TRIBE 10 - PUBLIC COLLEGE/UNIVERSITY 11 - OTHER	8. COLLATERAL CODE 1 - REAL ESTATE SECURED 2 - REAL ESTATE AND CHATTEL 3 - NOTE ONLY OR CHATTEL ONLY 4 - MACHINERY ONLY 5 - LIVESTOCK ONLY 6 - CROPS ONLY 7 - SECURED BY BONDS 8 - N/A ADGT	9. EMPLOYEE RELATIONSHIP CODE 1 - EMPLOYEE 2 - MEMBER OF FAMILY 3 - CLOSE RELATIVE 4 - ASSOC.
10. SEX CODE 1 - MALE 2 - FEMALE 3 - FAMILY UNIT 4 - ORGAN MALE OWNED 5 - ORGAN FEMALE OWNED 6 - PUBLIC BODY	11. MARITAL STATUS 1 - MARRIED 2 - SEPARATED 3 - UNMARRIED (INCLUDES WIDOWED/DIVORCED)	12. VETERAN CODE 1 - YES 2 - NO	13. CREDIT REPORT 1 - YES 2 - NO
14. DIRECT PAYMENT (See FMI)	15. TYPE OF PAYMENT 1 - MONTHLY 2 - ANNUALLY 3 - SEMI-ANNUALLY 4 - QUARTERLY	16. FEE INSPECTION 1 - YES 2 - NO	
17. COMMUNITY SIZE 1 - 10,000 OR LESS (FOR BRN AND HPG ONLY) 2 - OVER 10,000	18. USE OF FUNDS CODE (See FMI)		
COMPLETE FOR OBLIGATION OF FUNDS			
19. TYPE OF ASSISTANCE 508 (See FMI)	20. PURPOSE CODE	21. SOURCE OF FUNDS	22. TYPE OF ACTION 1 - OBLIGATION ONLY 2 - OBLIGATION/CHECK REQUEST 3 - CORRECTION OF OBLIGATION
23. TYPE OF SUBMISSION 1 - INITIAL 2 - SUBSEQUENT	24. AMOUNT OF LOAN	25. AMOUNT OF GRANT \$50,000.00	
26. AMOUNT OF IMMEDIATE ADVANCE	27. DATE OF APPROVAL MO DAY YR	28. INTEREST RATE %	29. REPAYMENT TERMS
COMPLETE FOR COMMUNITY PROGRAM AND CERTAIN MULTIPLE-FAMILY HOUSING LOANS			
30. PROFIT TYPE 1 - FULL PROFIT 2 - LIMITED PROFIT 3 - NONPROFIT			
COMPLETE FOR EM LOANS ONLY		COMPLETE FOR CREDIT SALE ASSUMPTION	
31. DISASTER DESIGNATION NUMBER (See FMI)	32. TYPE OF SALE 1 - CREDIT SALE ONLY 2 - ASSUMPTION ONLY 3 - CREDIT SALE WITH SUBSEQUENT LOAN 4 - ASSUMPTION WITH SUBSEQUENT LOAN		
FINANCE OFFICE USE ONLY		COMPLETE FOR FP LOANS ONLY	
33. OBLIGATION DATE MO DA YR		34. BEGINNING FARMER/RANCHER (See FMI)	

If the decision contained above in this form results in denial, reduction or cancellation of USDA assistance, you may appeal this decision and have a hearing or you may request a review in lieu of a hearing. Please see the forms we have included for this purpose.

Position 2

ORIGINAL - Borrower's Case Folder    COPY 1 - Finance Office    COPY 2 - Applicant/Lender    COPY 3 - State Office

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 0570-0062. The time required to complete this information collection 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 APPROVAL

For All Farmers Programs

EM, OL, FO, and SW Loans

This loan is approved subject to the availability of funds. If this loan does not close for any reason within 90 days from the date of approval on this document, the approval official will request updated eligibility information. The undersigned loan applicant agrees that the approval official will have 14 working days to review any updated information prior to submitting this document for obligation of funds. If there have been significant changes that may affect eligibility, a decision as to eligibility and feasibility will be made within 30 days from the time the applicant provides the necessary information.

If this is a loan approval for which a lien and/or title search is necessary, the undersigned applicant agrees that the 15-working-day loan closing requirement may be exceeded for the purposes of the applicant's legal representative completing title work and completing loan closing.

35. COMMENTS AND REQUIREMENTS OF CERTIFYING OFFICIAL

36. I HEREBY CERTIFY that I am unable to obtain sufficient credit elsewhere to finance my actual needs at reasonable rates and terms, taking into consideration prevailing private and cooperative rates and terms in or near my community for loans for similar purposes and periods of time. I agree to use the sum specified herein, subject to and in accordance with regulations applicable to the type of assistance indicated above, and request payment of such sum. I agree to report to USDA any material adverse changes, financial or otherwise, that occur prior to loan closing. I certify that no part of the sum specified herein has been received. I have reviewed the loan approval requirements and comments associated with this loan request and agree to comply with these provisions.

(For FP loans at eligible terms only) If this loan is approved, I elect the interest rate to be charged on my loan to be the lower of the interest rate in effect at the time of loan approval or loan closing. If I check "NO", the interest rate charged on my loan will be the rate specified in Item 28 of this form. YES NO

WARNING: Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined under this title or imprisoned not more than five years, or both."

Date 7/5, 20 11

Exeb

(Signature of Applicant)

Date \_\_\_\_\_, 20 11

(Signature of Co-Applicant)

37. I HEREBY CERTIFY that all of the committee and administrative determinations and certifications required by regulations prerequisite to providing assistance of the type indicated above have been made and that evidence thereof is in the docket, and that all requirements of pertinent regulations have been complied with. I hereby approve the above-described assistance in the amount set forth above, and by this document, subject to the availability of funds, the Government agrees to advance such amount to the applicant for the purpose of and subject to the availability prescribed by regulations applicable to this type of assistance.

[Handwritten Signature]

(Signature of Approving Official)

Typed or Printed Name: Randall A. Love

Date Approved: 7-11-11

Title: State Director

38. TO THE APPLICANT: As of this date \_\_\_\_\_, this is notice that your application for financial assistance from the USDA has been approved, as indicated above, subject to the availability of funds and other conditions required by the USDA. If you have any questions contact the appropriate USDA Servicing Office.

[REDACTED] 11PM FROM JOHN HAGAN 3362727965

P. 1

Name of Grantee/Borrower: JDC Manufacturing

Name of Project: Solar PV System

Purpose of Grant/Loan: To generate green power and sell to grid

Amount(s) of Grant/Loan: Grant: \$50,000.00 Loan: N/A

Date of Grant/Loan Closing: 3/29/2011 7-22-11 JH Date Project Complete: 12/2011

(Report due end of the first calendar year after the year in which project construction was completed)

**Renewable Energy System Project Report**  
**For Calendar Year January 1, 2012 - December 31, 2012:**

1. Quantity of Energy Produced Annually: (BTUs, Kilowatts, or similar energy equivalents) <i>Flex Fuel System - gallons of renewable fuel sold</i>	144,284 KWH
2. Environmental Issues:	None/Solar
3. Annual Income generated from and/or energy savings created as a result of the Renewable Energy System:	\$ <i>Exe 4</i>
4. Summary of Cost to Operate and Maintain the System:	\$ 0
5. Description of any Maintenance or Operational problems associated with System:	None
6. Recommendations for Development of Future Similar Projects:	No operating cost compared to other types of electric production.
7. Actual Jobs Created:	Full-Time: 0 Part-Time: 6
8. Actual Jobs Saved/Retained:	Full-Time: 0 Part-Time: 0

**Feed Stock Report:**

1. Describe System Type: (i.e. Biomass or Anaerobic Digesters)	
2. Indicate Type of Feedstock Used in System:	
3. Amount of Feedstock Used:	

**COMMENTS:**

*updated G.L.S.  
1-14-13*

**RURAL BUSINESS AND COOPERATIVE SERVICE GRANT AGREEMENT**

This Grant Agreement, which includes the applicable Program Attachment, any continuation sheets, and those documents referenced in paragraph III (A) of this Grant Agreement, for the Project and Grant Amount described below and for the Program identified in the Program Attachment, is between the undersigned Grantee (also referred to herein as "you") and the United States of America acting through the Rural Business-Cooperative Service, (RBS or Grantor).

**I. GRANT DESCRIPTION**

1. Case No. (provided by Grantor):  Exe 4	2. Grant No. (provided by Grantor):  01
3. Grantee Name:  JDC Manufacturing, LLC	4. Address of Grantee:  1704 Barnes Street, Reidsville, NC 27320
5. DUNS Number: (not applicable to individuals)  Exe 4	
6. Agency Approved Eligible Project Costs:  \$200,000	7. Maximum Amount of Grant Funds:  \$50,000
8. Grant Amount as Percent of Agency Approved Eligible Project Costs:  25%	9. Amount of Matching Funds provided by the Grantee or other eligible sources:  \$150,000
10. Project Description. (Indicate the Project location or areas to be served, as applicable. You may elect to attach a copy of the Project description from the application if the description is current. Use continuation sheets as necessary.)  Project is for the installation of a 52.9kW PV Solar System as described in your REAP Application dated June 13, 2011.	

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 [0570-0050]. The time required to complete this information collection is estimated to average 45 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.



- C. The execution or the delivery by the Grantee of this Grant Agreement and the RBS letter of conditions; the consummation of the transactions contemplated herein or therein; and the fulfillment by the Grantee of the terms hereof or thereof, do not conflict with or violate, result in a breach of or constitute a default under any term or provision of the charter or organizational documents, as applicable of the Grantee or any law or regulation or any court or regulatory body having jurisdiction over the Grantee, or the terms of any indenture, deed of trust, mortgage, note, note agreement or instrument to which the Grantee or any of its properties is bound. The Grantee has not received any notice from any other party to any of the foregoing that a default has occurred or that any event or condition exists that with the giving of notice or lapse of time or both would constitute such a default.
- D. No approval, authorization, consent, order, registration, filing, qualification, license or permit of or with any state or Federal court or governmental agency or body having jurisdiction over the Grantee is required by the Grantee for the consummation by the Grantee of the transactions contemplated by this Grant Agreement or the RBS letter of conditions except such as have been obtained.
- E. There is no pending or threatened action, suit or proceeding before any court or governmental agency, authority or body or any arbitrator concerning the Grantee, this Grant Agreement or the RBS letter of conditions which, if adversely determined, would have a material adverse effect on the Grantee's ability to perform its obligations under this Grant Agreement and the RBS letter of conditions.
- F. All information, reports, and other papers and data furnished to RBS by the Grantee concerning the application of the Grantee for the Grant were, at the time the same were so furnished, complete and correct in all material respects to the extent necessary to give RBS a true and accurate knowledge of the subject matter and no document furnished or other written statement made to RBS in connection with the Grant contains any untrue statement of a fact material to the financial condition of the Grantee or the Project or omits to state such a material fact necessary in order to make the statements contained therein not misleading.
- G. That no adverse actions have occurred since the application was approved. No material changes will be made in the Project without prior approval of RBS.
- H. The Grantee is in compliance with, and will comply in the course of the Grant Agreement with, all applicable laws, regulations, Executive Orders, and other generally applicable requirements governing this Grant Agreement.
- I. The Grantee will use grant and matching funds only for the purposes and activities specified in the application and budget approved by the Grantor. Any uses not provided for in the approved budget must be approved in writing by the Grantor.

J. Financial Management Systems

1. Grantee will provide a financial management system in accordance with the applicable Departmental Regulations, including, but not limited to:
  - a. Accounting records that identify adequately the source and application of funds for grant-supported activities.
  - b. Effective internal control over and accountability for all grant and matching funds, property, and other assets. Grantees shall adequately safeguard all such assets and ensure that they are used solely for authorized purposes.
  - c. Verifiable records that track proportionate usage of grant and matching funds for the purposes and activities specified in the application and budget approved by the Grantor. Records must be available for review or audit by the Grantor.
2. Grantee will retain financial records, supporting documents, statistical records, and all other records pertinent to the grant for a period of 3 years after the final performance report is submitted to the Grantor. Records shall be retained beyond the 3-year period if any litigation, claim, or audit findings involving the records have not been resolved. The Grantor and the Comptroller General of the United States, or any of their duly authorized representatives, shall have the right to access to any books, documents, papers, and records of the Grantee that are pertinent to the grant for the purpose of making audits, examinations, excerpts, and transcripts.

K. Procurement and Construction

1. Grantee will comply with the applicable Departmental Regulations procurement requirements including but not limited to standards of conduct, open and free competition, access to contractor records, and equal employment opportunity requirements.
2. Grantee will, for construction contracts in excess of \$100,000, provide performance and payment bonds for 100 percent of the contract price unless otherwise approved by the Grantor in accordance with applicable Departmental Regulations.

L. Acquired Property

1. Grantee will hold title to all real property described in Block 11 in part I, Grant Description, including improvements to land, structures, fixtures, or other things attached to the real property and all equipment described in Block 12 in part I, Grant Description. Real property and equipment described in Blocks 11 and 12 and replacement property are subject to the disposition requirements of Departmental Regulations. The Grantee must notify and obtain approval from the Grantor before disposing of (A) any real property described in Block 11 or (B) equipment with a unit

acquisition cost of \$1,000 or more for grantees covered by 7 CFR 3015 and with a current per-unit fair market value of \$5,000 and more for grantees covered by 7 CFR parts. 3016 or 3019 described in Block 12.

Ex-6

\_\_\_\_ (Grantee initials)

2. If required by Grantor, record liens or other appropriate notices of record to indicate that personal or real property has been acquired or improved with Federal grant funds, and that use and disposition conditions apply to the property as provided by Departmental Regulations.

#### M. Reporting

In addition to any other required reporting, Grantee will after grant approval through grant completion:

1. Provide periodic reports as required by the Grantor. A SF-425, "Federal Financial Report" and a project performance report will be required on a semiannual basis (due 30 working days after end of the semiannual period). For the purposes of this grant, semiannual periods end on June 30th and December 31st. Any grant in excess of \$100,000 must also have the appropriate SF-PPR "Performance Progress Report" completed. Grantees shall constantly monitor performance to ensure that work tasks are being accomplished by the appropriate time schedules. The project performance reports shall include the following:
    - a. A comparison of actual accomplishments to the objectives established for that period;
    - b. Reasons why established objectives were not met, if applicable;
    - c. Reasons for any problems, delays, or adverse conditions, if any, which have affected or will affect attainment of overall project objectives, prevent meeting time schedules or objectives, or preclude the attainment of particular objectives during established time periods. This disclosure shall be accompanied by a statement of the action taken or planned to resolve the situation; and
    - d. Objectives and timetable established for the next reporting period.
  2. Provide a final project and financial status report within 90 days after the expiration or termination of the grant.
  3. Provide outcome project performance reports and final deliverables as required by the Program Attachment.
- N. When the Grantee is an entity, the signatory(ies) on behalf of the Grantee represents that they have the requisite power and authority to sign this Grant Agreement on behalf of the Grantee.

- O. The Grantee will comply, as applicable, with Executive Order 12898, the Americans with Disabilities Act of 1990, Title VI of the Civil Rights Act of 1964, and Section 504 of the Rehabilitation Act of 1973. This shall include collection and maintenance of data on the race, sex, and national origin of Grantee's membership, ownership and employees, as applicable. These data must be available to the Grantor in its conduct of Civil Rights Compliance Reviews, which will be conducted prior to grant closing and one subsequent compliance review after the final disbursement of grant funds have occurred.

### III. GENERAL PROVISIONS

The Grantor and Grantee agree to the following:

- A. Any application submitted by the Grantee for this grant, including any attachments, amendments and Grantor approved budgets, are incorporated and included as part of this Grant Agreement. Any changes to these documents or this Grant Agreement must be approved in writing by the Grantor.
- B. The invalidity of any one or more phrases, clauses, sentences, paragraphs or provisions of this Grant Agreement shall not affect the remaining portions hereof.
- C. Grantor will provide Grant funds up to the Grant Amount shown in Box 7 in part I, Grant Description.
- D. If there is a conflict between this Grant Agreement and the applicable Program Regulation, the applicable Program Regulations shall prevail. If there is a conflict between this Grant Agreement and the Department Regulations, the Department Regulations shall prevail.
- E. When the date fixed for the performance of an act under this Grant Agreement is on a weekend or Federal holiday, then the performance by the close of business on the next Federal work day shall have the same force and effect as if made performed or exercised on the specified date.
- F. In addition to the regulatory and statutory authorities identified in the Program Attachment, this Grant Agreement will be governed by applicable Notices published in the Federal Register and all other applicable laws, regulations, Executive Orders, and other generally applicable requirements including those contained in the Departmental Regulations as currently codified in 2 CFR part 417 and 7 CFR parts 3000 through 3099, including, but not necessarily limited to, 7 CFR parts 3015 through 3019, 7 CFR part 3021, and 7 CFR part 3052, and successor regulations to these parts, which are incorporated into this Grant Agreement by reference.

Part 3015 of title 7 CFR shall apply to (a) state and local governments and (b) institutions of higher education, hospitals and other non-profit organizations to the extent there is not a more specific provision in 7 CFR 3016 and 3019, respectively. Part 3015 of title 7 shall also apply to individuals. For the purposes of 7 CFR 3019, "recipient" shall include commercial organizations including sole proprietorships.

G. Grant Disbursement

1. Grantee will disburse grant funds as approved by the Grantor. Requests for reimbursement may be submitted monthly or more frequently if authorized to do so by the Grantor. Ordinarily, payment will be made within 30 days after receipt of a proper request for reimbursement. Payment will be made by electronic funds transfer.
2. The Grantee shall not request reimbursement for the Federal share of amounts withheld from contractors to ensure satisfactory completion of work until after those payments are made.
3. When Grant funds are used for construction, Standard Form 271, "Outlay Report and Request for Reimbursement for Construction Programs," or other format prescribed by Grantor shall be used to request reimbursements.
4. When Grant funds are not used for construction, Standard Form 270, "Request for Advance or Reimbursement," or other format prescribed by Grantor shall be used to request reimbursements.

H. Grantee will not use Grant Funds to replace any financial support previously provided or assured from any other source. The Grantee agrees that the Grantee's level of expenditure for the Project shall be maintained and not reduced as a result of Grant Funds.

I. The Grantee will avoid conflicts of interest or the appearance of conflict of interest.

J. Without otherwise limiting any termination or other remedies available to the Grantor, the Grantor may terminate the grant in whole, or in part, whenever it is determined that the Grantee has failed to comply with the conditions of this Grant Agreement. **Unless otherwise agreed to by the Grantor in writing, this grant will terminate 1 year from the date the Grantor signs the agreement.**

K. Termination

1. RBS may terminate the Grant and any activities under the Grant at any time, whenever RBS has determined that the Grantee has failed to comply with the conditions of the Grant. RBS shall promptly notify the Grantee in writing of the determination and reasons

for the termination, together with the effective date. Termination may place for cause such as:

- a. Failure, inability, or unwillingness of the Grantee to carry out or comply with, or cause to be carried out or complied with, the specific undertakings described in the application as approved by RBS in the RBS letter of conditions or this Grant Agreement.
  - b. Any representation or warranty made by the Grantee herein, in the application materials, in response to the RBS letter of conditions, or in any certificate or report furnished by or on behalf of the Grantee about any of the foregoing that proves to be false, incomplete or incorrect in any material respect;
  - c. Failure to observe or perform any of the covenants, conditions or agreements of the Grantee, which continues for thirty (30) days after written notice has been given to the Grantee specifying such default and requiring the same to be remedied;
  - d. Violation of the Program Regulations by officers, directors, employees or agents of the Grantee, that continues for a period of thirty (30) days without being rectified to the satisfaction of RBS after written notice has been given by RBS to the Grantee specifying such default and requiring the same to be rectified.
2. Within 30 days of notification of early termination, the Grantee will provide, for approval by RBS, a Termination Plan. The Grantee will not incur new commitments for the terminated portion of the Grant after notification of termination, and will cancel as many outstanding obligations as practicable.
- L. Specific references in this Grant Agreement to regulations, statutes, and forms will be deemed to refer to any successor regulations, statutes, and forms.
- M. Singular references to Grantee in this Grant Agreement will include all Grantees when there is more than one.
- N. This Grant Agreement shall be governed by Federal law.
- O. The Grantee shall allow the Grantor, or its representatives, reasonable access to the real property constructed or equipment installed with grant funds as well as any records and project performance information during its useful life.
- P. Central Contractor Registration and Universal Identifier Requirements
1. Requirement for Central Contractor Registration (CCR)  
  
Unless you are exempted from this requirement under 2 CFR 25.110, you as the recipient must maintain the currency of your information in the CCR until you submit the final financial report required under this award or receive the final payment,

whichever is later. This requires that you review and update the information at least annually after the initial registration, and more frequently if required by changes in your information or another award term.

## 2. Requirement for Data Universal Numbering System (DUNS) Numbers

If you are authorized to make subawards under this award, you:

- a. Must notify potential subrecipients that no entity (see definition in paragraph 3 of this award term) may receive a subaward from you unless the entity has provided its DUNS number to you.
- b. May not make a subaward to an entity unless the entity has provided its DUNS number to you.

## 3. Definitions

For purposes of this award term:

- a. Central Contractor Registration (CCR) means the Federal repository into which an entity must provide information required for the conduct of business as a recipient. Additional information about registration procedures may be found at the CCR Internet site (currently at <http://www.ccr.gov>).
- b. Data Universal Numbering System (DUNS) number means the nine-digit number established and assigned by Dun and Bradstreet, Inc. (D & B) to uniquely identify business entities. A DUNS number may be obtained from D & B by telephone (currently 866-705-5711) or the Internet (currently at <http://fedgov.dnb.com/webform>).
- c. Entity, as it is used in this award term, means all of the following, as defined at 2 CFR part 25, subpart C:
  - i. A Governmental organization, which is a State, local government, or Indian Tribe;
  - ii. A foreign public entity;
  - iii. A domestic or foreign nonprofit organization;
  - iv. A domestic or foreign for-profit organization; and
  - v. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.

d. Subaward:

- i. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which you received this award and that you as the recipient award to an eligible subrecipient.
- ii. The term does not include your procurement of property and services needed to carry out the project or program (for further explanation, see Sec. \_\_\_\_210 of the attachment to OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations").
- iii. A subaward may be provided through any legal agreement, including an agreement that you consider a contract.

e. Subrecipient means an entity that:

- i. Receives a subaward from you under this award; and
- ii. Is accountable to you for the use of the Federal funds provided by the subaward.

Q. Reporting Subawards and Executive Compensation.

1. Reporting of first-tier subawards.

- a. Applicability. Unless you are exempt as provided in paragraph d. of this award term, you must report each action that obligates \$25,000 or more in Federal funds that does not include Recovery funds (as defined in section 1512(a)(2) of the American Recovery and Reinvestment Act of 2009, Pub.L. 111-5) for a subaward to an entity (see definitions in paragraph 5. of this award term).
- b. Where and when to report.
  - i. You must report each obligating action described in paragraph 1.a. of this award term to <http://www.fsrs.gov>.
  - ii. For subaward information, report no later than the end of the month following the month in which the obligation was made. (For example, if the obligation was made on November 7, 2010, the obligation must be reported by no later than December 31, 2010.)
- c. What to report. You must report the information about each obligating action that the submission instructions posted at <http://www.fsrs.gov> specify.

2. Reporting Total Compensation of Recipient Executives.

a. Applicability and what to report. You must report total compensation for each of your five most highly compensated executives for the preceding completed fiscal year, if--

i. the total Federal funding authorized to date under this award is \$25,000 or more;

ii. in the preceding fiscal year, you received--

(A) 80 percent or more of your annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

(B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

iii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>.)

b. Where and when to report. You must report executive total compensation described in paragraph 2.a. of this award term:

i. As part of your registration profile at <http://www.ccr.gov>.

ii. By the end of the month following the month in which this award is made, and annually thereafter.

3. Reporting of Total Compensation of Subrecipient Executives.

a. Applicability and what to report. Unless you are exempt as provided in paragraph 5. of this award term, for each first-tier subrecipient under this award, you shall report the names and total compensation of each of the subrecipient's five most highly compensated executives for the subrecipient's preceding completed fiscal year, if--

- i. in the subrecipient's preceding fiscal year, the subrecipient received--
    - (C) 80 percent or more of its annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and
    - (D) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts), and Federal financial assistance subject to the Transparency Act (and subawards); and
  - ii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/excomp.htm>.)
- b. Where and when to report. You must report subrecipient executive total compensation described in paragraph 3.a. of this award term:
- i. To the recipient.
  - ii. By the end of the month following the month during which you make the subaward. For example, if a subaward is obligated on any date during the month of October of a given year (i.e., between October 1 and 31), you must report any required compensation information of the subrecipient by November 30 of that year.

4. Exemptions

If, in the previous tax year, you had gross income, from all sources, under \$300,000, you are exempt from the requirements to report:

- a. Subawards,  
and
- b. The total compensation of the five most highly compensated executives of any subrecipient.

5. Definitions. For purposes of this award term:

- a. Entity means all of the following, as defined in 2 CFR part 25:
  - i. A Governmental organization, which is a State, local government, or Indian tribe;
  - ii. A foreign public entity;
  - iii. A domestic or foreign nonprofit organization;
  - iv. A domestic or foreign for-profit organization;
  - v. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.
- b. Executive means officers, managing partners, or any other employees in management positions.
- c. Subaward:
  - i. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which you received this award and that you as the recipient award to an eligible subrecipient.
  - ii. The term does not include your procurement of property and services needed to carry out the project or program (for further explanation, see Sec. \_\_.210 of the attachment to OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations").
  - iii. A subaward may be provided through any legal agreement, including an agreement that you or a subrecipient considers a contract.
- d. Subrecipient means an entity that:
  - i. Receives a subaward from you (the recipient) under this award; and
  - ii. Is accountable to you for the use of the Federal funds provided by the subaward.
- e. Total compensation means the cash and noncash dollar value earned by the executive during the recipient's or subrecipient's preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):
  - i. Salary and bonus.
  - ii. Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to

- the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.
- iii. Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.
  - iv. Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
  - v. Above-market earnings on deferred compensation which is not tax-qualified.
  - vi. Other compensation, if the aggregate value of all such other compensation (e.g. severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

IN WITNESS WHEREOF, Grantor and Grantee enter into this Grant Agreement.

Approved by an Authorized Representative of the Grantee:

Charles T. Hagan III

Name (Please Print)

Manager

Title (Please Print)

Signature

Date

Exec

7-22-11

~~07/18/2011~~

Approved for the United States of America, Rural Business Cooperative Service by:

Lynn Straughan

Name (Please Print)

Area Specialist

Title (Please Print)

Signature

Date

7-22-11

~~07/18/2011~~

## PROGRAM ATTACHMENT

**PROGRAM NAME:** RURAL ENERGY FOR AMERICA PROGRAM

Type of Grant (check one):

- Renewable Energy System
- Energy Efficiency Improvement
- Energy Audit
- Renewable Energy Development Assistance
- Renewable Energy System Feasibility Study

**AUTHORITY:**

7 USC 8107

**APPLICABLE REGULATIONS:**

7 CFR part 4280 subpart B

**ADDITIONAL PROGRAMMATIC GRANT PROVISIONS:**

The Grantor and Grantee further agree to the following additional provisions:

1. Should actual project costs for the grant be lower than projected in Block 6, in part I, Grant Description, the final amount of the grant will be adjusted to remain at the percentage identified in Block 8 of the final Eligible Project Costs. Blocks 6 and 8 do not apply to Energy Audit and Renewable Energy Development Assistance grants. However, the recipient of an energy audit under the Energy Audit grant must pay at least 25 percent of the cost of the energy audit, which shall be retained by the Grantee for the cost of the audit. This must be documented in the required semiannual reports.
2. ( For Renewable Energy System grants and Energy Efficiency Improvement grants). The proposed renewable energy system or energy efficiency improvements shall be constructed and/or installed in accordance with any energy audit or energy assessment recommendations, engineering recommendations, technical reports, or other applicable information provided by the Grantee and approved by the Grantor. The Grantee will own, operate, and provide for continued maintenance on the Project.
3. Paragraph II (J), Grantee Representations and Warranties, is further supplemented with the following:

Accounting records shall be in accordance with generally accepted accounting principles (GAAP) and contain information pertaining to grant awards and authorizations, obligations, unobligated balances, assets, liabilities, outlays, income and interest. Accounting principles that are generally required by commercial agricultural lenders may be used in lieu of GAAP for Grantees that are agriculture producers.

4. Paragraph II (M), Grantee Representations and Warranties, is further supplemented with the following:

A. (Renewable Energy System and Energy Efficiency Improvements grants)

1. Provide a final project development report which includes a detailed project funding and expense summary and a summary of facility installation/construction process including recommendations for development of similar projects by future applicants to the program.

2. Provide performance outcome reports as follows:

- a. Renewable Energy System Report. Commencing the first full calendar year following the year in which project construction was completed; and continuing for 3 additional years, a report detailing the following will be provided:
- i. Quantity of energy produced. Grantee to report the actual amount of energy produced in BTUs, kilowatt-hours, or similar energy equivalents.
  - ii. Environmental benefits. If applicable, Grantee to provide documentation that identified a health and/or sanitation problem has been solved.
  - iii. Simple payback. Grantee to provide the annual income and/or energy savings of the renewable energy system.
  - iv. Summary of the cost of operating and maintaining the facility.
  - v. Description of any maintenance or operational problems associated with the facility.
  - vi. Recommendations for development of future similar projects.
  - vii. Number of actual jobs created or saved.
- b. Energy Efficiency Improvement Report. Commencing the first full calendar year following the year in which project construction was completed and continuing for 2 additional years. Grantee will report the actual amount of energy saved due to the energy efficiency improvements.

B. (Renewable Energy System Feasibility Study grants)

1. Provide the feasibility study completed on the proposed renewable energy system.
2. Provide performance outcome reports as follows:
  - a. Commencing the first full year after the feasibility study has been completed and continuing for 2 additional years:
    - i. Is the renewable energy system for which the feasibility study was conducted underway as a result of the feasibility study findings? If yes, describe how far along the renewable energy system project is (e.g., financing has been secured, site has been secured, construction contracts are in place, project completed). If “no” discuss why the renewable energy system is not underway.
    - ii. If the renewable energy system has been constructed and is operational, provide the actual amount of energy being produced.

C. (Energy Audit and Renewable Energy Development Assistance grants)

1. The semiannual project performance reports will also:
  - a. Discuss the number of audits performed, number of recipients helped via renewable energy development assistance in the comparison of actual accomplishments to the objectives established for that period.
  - b. Include a list of recipients, each recipient’s location, and each recipient’s North American Industry Classification System code.
  - c. Include the percentage of financial resources expended on contractors.
2. Provide a final project performance report that also includes the following:
  - a. Energy Audit Report. This will be a comprehensive project performance report describing:
    - i. How objectives and timetables were met or if not met, a summary of any delays or problems that occurred.
    - ii. The number of audits conducted.
    - iii. A list of recipients with each recipient’s North American Industry Classification System code.

- iv. The location of each recipient.
  - v. The cost of each audit.
  - vi. The expected energy saved for each audit conducted.
  - vii. The percentage of financial resources expended on contractors.
- b. Renewable Energy Development Assistance Report. This will be a comprehensive project performance report describing:
- i. How objectives and timetables were met or if not met, a summary of any delays or problems that occurred.
  - ii. A list of recipients with each recipient's North American Industry Classification System code.
  - iii. The location of each recipient.
  - iv. The expected renewable energy that would be generated if renewable energy site assessment projects were implemented.
  - v. The percentage of financial resources expended on contractors.
3. Provide performance outcome reports as follows:
- a. Commencing the first full year after the grant is completed:
    - i. The Grantee will provide the Grantor a status report identifying the number of energy audit projects that proceeded with one or all of the Grantee's recommendations from the finding in the energy audit as well as the amount of energy saved for each project.
    - ii. The Grantee will provide the Grantor a status report identifying the number of renewable energy projects that proceeded with one or all of the Grantee's recommendations from technical assistance provided or from findings on the renewable energy site assessment as well as the amount of renewable energy generated for each project, as applicable.

5. Paragraph III (G), General Provisions, is further supplemented with the following:
  - A. (For Renewable Energy System and Energy Efficiency Improvements grants approved under the full application process and Renewable Energy System Feasibility Study grants). Grant funds will be disbursed through 90 percent of grant disbursement. The final 10 percent of grant funds will be held by the Grantor until either (i) construction of the renewable energy system is completed, operational, and has met or exceeded the test run requirements as set out in the grant award requirements, (ii) construction of the energy efficient improvement is completed and operational, as applicable or (iii) the Grantee has submitted a feasibility study acceptable to the Grantor, as applicable.
  - B. Unless required by third parties providing cost sharing payments to be provided on a pro-rata basis with other matching funds, grant funds will be disbursed after all other matching funds have been expended.
6. Paragraph III (J), General Provisions, is revised by replacing the last sentence with the following:

Unless otherwise agreed to by the Grantor, this grant will terminate 2 years from the date the Grantor signs the agreement. Grant funds not expended within 2 years from the date this Grant Agreement is executed will be cancelled by the Grantor. Prior to the actual cancellation, the Grantor will notify the Grantee, in writing, of the intent to cancel the remaining grant funds.





United States Department of Agriculture  
Rural Development  
Asheboro Area Office

July 18, 2011

JDC Manufacturing, LLC  
ATTN: Charles T. Hagan III, Manager  
1704 Barnes Street  
Reidsville, NC 27320

Dear Mr. Hagan:

This letter establishes conditions which must be understood and agreed to by you before further consideration can be given to your application. The grant will be administered on behalf of the Rural Business and Cooperative Services (RBS) by the State and Area Office Staff of USDA, Rural Development. All terms and conditions outlined in the RD Instruction 4280-B will apply to the project and disbursement of any grant funds. Any changes in project cost, source of funds, scope of services, or any other significant changes in the project or applicant, must be reported to and approved by USDA, Rural Development, by written amendment to this letter. If significant changes are made without obtaining such approval, Rural Development may discontinue processing of the application.

This Letter of Conditions is not to be considered as grant approval or as a representation as to the availability of funds. The docket may be completed on the basis of a grant not to exceed **\$50,000.00**. Please complete and sign the attached Form RD 1942-46, "Letter of Intent to Meet Conditions" and Form RD 1940-1, "Request for Obligation of Funds", if you desire that further consideration be given to your application.

The grant will be considered approved on the date a signed (by Rural Development) copy of Form RD 1940-1, "Request for Obligation of Funds", is mailed to you.

The docket may be completed on the basis of the following:

1. **PROJECT FUNDS:** The use of funds must be in substantial compliance with the grant application project budget. Any revisions in the proposed use of funds must be submitted in writing to USDA-Rural Development and receive prior written approval from USDA-Rural Development. All documented funding must total the project amount. Grantee must maintain all receipts and other documentation for all transactions where grant and matching funds are used for the project cost and provide copies to Rural Development.
2. **GRANT AMOUNT:** The application may be completed on the basis of a grant not to exceed **\$50,000.00**. It should be noted that grant funds will be used for only eligible costs as identified in RD Instruction 4280-B. The grant will not exceed 25% of the total eligible project costs. In the event the money from other sources is more than estimated in the financing plan, or the bids are different than estimated, Rural Development reserves the right to recalculate its funding. After paying for all authorized costs, any remaining Rural Development grant funds will be refunded to Rural Development. Any grant funds remaining more than 180 days after construction is substantially complete may be de-obligated by Rural Development.

847 Curry Drive, Suite 104, Asheboro, North Carolina 27205  
Phone: (336) 629-4449 Ext. 4 • Fax: (336) 629-1032 or (336) 629-2859  
Hearing Impaired: 711 • Web: <http://www.rurdev.usda.gov/nc>

Committed to the future of rural communities.

To file a complaint\*  
Wash, DC 20250-9410, or call (800) 795-3272 (voice) or (202) 7  
\*USDA is an equal opportunity provider, employer and lender.  
Discrimination write USDA, Director, Office of Civil Rights, 140  
Independence Ave., S.W.  
20250-9410, or call (800) 795-3272 (voice) or (202) 7  
2025 (TDD)

3. **APPLICANT CONTRIBUTION:** You will be required to contribute at least **\$150,000.00** from other resources. A firm funding commitment will be required from all other funding sources prior to the solicitation of bids for project construction. A firm commitment must be verified through a Construction Note, Letter of Commitment or documented equity capital. The applicant contribution will be the first funds expended on a project.
4. **GRANT AGREEMENT: Form RD 4280-2, “Renewable energy/Energy Efficiency Grant Agreement”, will not be executed until the funds have been obligated. The Agreement will be sent for your review and signature once the obligation process is completed. By signing the Agreement, you agree will all the terms and conditions contained in the agreement, including those on fund disbursement and reporting requirements.** All sites being improved and all non-expendable equipment being purchased with grant funds are described on the agreement.
5. **TITLE TO PROPERTY:** Sites for the renewable energy or energy efficiency projects must be controlled by the grantee. Satisfactory evidence of title to property must be supplied to Rural Development for the location of the project. This may include but not limited copies of tax statements, existing title insurance policies, deeds, etc.
6. **SIMPLIFIED APPLICATION:** Your grant was selected for award using the simplified application process and must meet the following criteria:
  - a) Total eligible project cost must be \$200,000 or less.
  - b) Project must use commercially available renewable energy systems or energy efficiency improvements.
  - c) Construction planning and performing development must be performed in compliance with RD Instruction 4280.115. The applicant or the applicant’s prime contractor must assume all risks and responsibilities of project development.
  - d) The applicant or the applicant’s prime contractor is responsible for all interim financing.
  - e) When funds are obligated and the Grant Agreement has been executed, the proposed project should be scheduled to be completed within 24 months.
7. **INTERCONNECTION AGREEMENT/POWER PURCHASE AGREEMENT:** An interconnection agreement/power purchase agreement shall be obtained, if applicable to your project. Your attorney will review the agreement and provide evidence of their review to USDA Rural Development. The Agreement must document a minimum purchase price or pricing structure which will create a financially sustainable project.
8. **CONSTRUCTION PLANNING AND PERFORMING DEVELOPMENT:** Grantee is responsible for providing the engineering, architectural, and environmental services necessary for planning, designing, bidding, contracting, inspecting, and constructing their facilities. All agreements and contracts must be reviewed and accepted by Rural Development.

The requirements of RD Instruction 4280-B, 4280.115 apply for planning, designing, bidding, contracting, and constructing renewable energy systems and energy efficiency improvement projects, as applicable. For contacts of \$200,000 or less, the simple contract method, as specified in paragraph 4280.115 (e) may be used. Contracts greater than \$200,000 shall use the contract method specified in paragraph 4280.115 (g).

Grantee will comply with the applicable procurement requirements of 7 CFR part 3015 regarding standards of conduct, open and free competition, access to contractor records and equal employment opportunity requirements.

Grantee will, for construction contracts in excess of \$100,000, provide performance and payment bonds for 100 percent of the contract price, unless otherwise specified in 7 CFR part 4280, subpart B, paragraph 4280.115.

Equipment purchases of less than \$200,000 will not require a performance and payment bond, unless required by the owner, as long as the contract purchase is a lump sum payment and manufacturer provides the required warranties on the equipment as outlined in paragraph (i) in the applicable section found in Appendices A and B of RD Instruction 4280-B. (the technical report guidelines). Payment shall be certified by copies of the manufacturer's paid invoices and warranty documents.

9. **PERMITS:** Prior to the solicitation for construction bids, the project owner will provide a certification that all permits identified in the technical requirements of this renewable energy system application have been obtained. If required, provide Rural Development with copies of permits and licenses.
10. **INSURANCE:** Insurance coverage will be submitted for Rural Development review and concurrence prior to the start of construction. The owner and the contractor(s) should carry adequate insurance on the following:
  - a) Property Coverage
  - b) Liability Coverage
  - c) Worker's Compensation
  - d) Business Interruption Insurance (for projects exceeding \$200,000 in total project costs)
  - e) Grantee shall provide satisfactory evidence to Grantor that all officers of Grantee organization authorized to receive and/or disburse Federal funds are covered by such bonding and/or insurance requirements as are normally required by the Grantee.
11. **EQUAL OPPORTUNITY AND NONDISCRIMINATION REQUIREMENTS:** The Grantee will comply with Title VI of the Civil Rights Act of 1964, "Nondiscrimination in Federally ASSISTED Programs," 42 U.S.C. 2004d4, Section 504 of the Rehabilitation Act for Federally Conducted Programs and Activities, the Age Discrimination Act of 1975 and the Americans with Disabilities Act. RD Form 400-1, Equal Opportunity Agreement, and 400-4, Assurance Agreement, must be completed by the Grantee.
12. **BUSINESS OPERATION, ACCOUNTS AND RECORDS:** Prior to fund disbursement instructions being issued, you must present to Rural Development for approval:
  - a) A complete set of financial records to be maintained.
  - b) A project fund tracking system will be developed and concurred in by Rural Development.
13. **CLOSING:** By acceptance of these conditions, it is agreed that your officials, your engineer and your attorney will provide and sign all evidence, forms, documents and agreements necessary to complete the application.
14. **GRANT DISBURSEMENT:** Upon project completion, grant funds will be disbursed by USDA-Rural Development on a lump sum reimbursement basis and in an amount not to exceed the grant amount obligated or 25% of total eligible project cost, whichever is less. Grant funds will be transferred to the Grantee via Electronic Funds Transfer (EFT).

The Grantee will complete and submit to USDA-Rural Development for processing, Form SF-3881, "Electronic Funds Transfer Payment Enrollment Form."

Standard Form (SF) 270, "Request for Advance or Reimbursement," will be completed and submitted by the Grantee to USDA-Rural Development to request grant reimbursements.

It should be noted that the final 10% of grant funds will be held until construction of the project is completed, operational and has met or exceeded the test run requirements as established in the application. *(not applicable for simplified applications)*

15. **REPORTING REQUIREMENTS:** Commencing the first full calendar year following the year in which project construction was completed and continuing for 3 full years all reporting requirements outlined in the Grant Agreement will be forwarded to the USDA Rural Development Office at 847 Curry Drive, Suite 104, Asheboro, NC 27205.
16. **TECHNICAL REPORT REQUIREMENTS:** The technical report was passed by the reviewers subject to the following conditions: None

The above conditions are based on the proposed use of funds as outlined and financing arrangements as stated. The conditions stated may be modified if the scope or cost of the project is changed or the financial arrangements are adjusted. Any change or modification of the conditions of the project must have prior approval by USDA-Rural Development.

The Grantee will follow the requirements in the Letter of Conditions and the Grant Agreement. No further processing will occur on this application until the attached Form RD 1942-46, Letter of Intent to Meet Conditions, is signed and returned.

Sincerely,

  
Lynn Straughan  
Area Specialist

Enclosures

cc: David Thigpen, Energy Coordinator  
Raleigh, NC

## Rural Energy for America Renewable Energy Systems and Energy Efficiency Improvements Program Evaluation Criteria Scoring Guideline

Name of Applicant:	JDC Manufacturing, LLC	Post Review by:
Name of Reviewer:	Lynn Straughan	
Type of Technology:	Energy Efficiency	
Funding Request:	\$50,000.00	

Final Grant Total Score (sum of Categories 1 - 10):	97.65
Guaranteed Loan Score (sum of Categories 1-11 minus #5)	82.65

List the maximum points the applicant is eligible for under each of the following ten categories, sum the individual scores, and place the total in the above box under "Final Total Score."

**(1) Quantity of Energy Replaced, Produced, or Saved**

Points may only be awarded for one category (A, B, or C).

**(A) Energy replacement**

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.	Points  <b>0</b>
Greater than 25%, but equal to or less than 50%, award 10 points.	
Greater than 50%, award 15 points.	

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.

Provide documentation to substantiate the score for this category below.

**ERROR**

Or

**(B) Energy Savings (include additional 5 points if applicable)**

(1) If the estimated energy expected to be saved by the installation of the energy efficiency improvements will be from:

20% up to but not including 30%, award 5 points.	Points
30% up to but not including 35%, award 10 points.	
35% or greater, award 15 points.	
Energy savings will be determined by the projections in an energy assessment or audit.	

**ERROR**

(2) Additional points.

If the project has total eligible project costs of \$50,000 or less AND opts to obtain a professional energy audit, award an additional 5 points.	Points
	0

Provide documentation to substantiate the score for this category below.

**ERROR**

Or

**(C) Energy generation**

If the proposed renewable energy system is intended primarily for production of energy for sale, award 10 points.	Points
	10

Provide documentation to substantiate the score for this category below.

Per Technical Report, Project Economic Assessment, solar PV system to be installed has the potential to generate 73,687 kWh annually. Selling to Duke Power.

**(D) Flexible fuel pump(s)**

If the proposed project is for one or more flexible fuel pumps, points will be awarded based on the overall percentage of proposed flexible fuel pumps to the applicant's total retail pump inventory at the facility.

If the proposed flexible fuel pump percentage calculated is 5% or below, award 5 points	<b>Points</b>  <b>0</b>
If the proposed flexible fuel pump percentage calculated is above 5% and up to, but not including 10%, award 10 points	
If the proposed flexible fuel pump percentage calculated is 10 percent and above, award 15 points	

The percentage of proposed flexible fuel pumps shall be calculated using the following equation:

*Equation:  $FFP\% = (FFPx / TP) \times 100$*

*Where:  $FFP\%$  = Proposed flexible fuel pump(s), percentage.*

*FFPx = Number of proposed flexible fuel pumps to be installed at applicants facility.*

*TP = Number of proposed pumps to be installed plus the number of pumps installed and operating at the facility.*

Provide documentation to substantiate the score for this category below.

**ERROR**

**(2) 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.	<b>Points</b>  <b>10</b>
--	--------------------------------

Award points only if the applicant provides documentation from an appropriate authority supporting this claim.

Provide documentation to substantiate the score for this category below.

Letter of support from NC Energy Office documents that the project contributes to a NC environmental goal.

**(3) Commercial availability**

If the proposed system or improvement is currently commercially available and replicable, award 5 points.	<b>Points</b>  <b>10</b>
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.	
Provide documentation to substantiate the score for this category below.	
Per Technical Report, Inverters carry 10 warranty, Solar Panels 5 years, AET Racking 15 years, and Overall System 2 years.	

**(4) Technical Merit**

Complete Technical Review and Score Sheet and the score will be carried forward. Score for Hybrid projects will need to type in manually. The total possible points for Technical Merit is 35.	<b>Points</b>
<i>Total Points from Technical Merit</i> <b>27.65</b>	

**ERROR**

**ERROR**

**(5) Readiness (Grants only)**

Appropriate documentation submitted with the application must verify commitment of funds. If the applicant has written commitments from source(s) confirming commitment of:

50% up to, but not including, 75% of the matching funds, award 5 points.	<b>Points</b>  <b>15</b>
75% up to, but not including, 100% of the matching funds, award 10 points.	
100% of the matching funds, award 15 points.	
Provide documentation to substantiate the score for this category below.	
Applicant provided letter BB&T verifying that 100% of the matching funds are available for this project.	

**(6) Small Agricultural Producer/Very Small Rural Business**

If 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.	<b>Points</b>  <b>10</b>
less than \$200,000 in the preceding year, award 10 points.	
<b>OR</b>	
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.	
Provide documentation to substantiate the score for this category below.	
<p>Provide documentation to substantiate the score for this category below.</p> <p>Provide documentation to substantiate the score for this category below.</p> <p style="text-align: right;">Exe 4</p>	

**(7) 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.	<b>Points</b>  <b>5</b>
Provide documentation to substantiate the score for this category below.	
The total eligible project cost is \$200,000, and the applicant utilized the simplified application.	

**(8) Previous grantees and borrowers**

If the applicant has not been awarded a grant or loan under this program within the 2 previous Federal fiscal years, award 5 points.	<b>Points</b>  <b>5</b>
Provide documentation to substantiate the score for this category below.	
Applicant has not been awarded a grant or loan under REAP within the 2 previous Federal fiscal years.	

**(9) Simple payback**

A maximum of 15 points will be awarded for either renewable energy systems or energy efficiency improvements; points will not be awarded for more than one category.

**(A) Renewable energy systems (including flexible fuel pumps)**

If the simple payback of the proposed project is:

Less than 10 years, award 15 points.	<b>Points</b>  <b>5</b>
10 years up to but not including 15 years, award 10 points.	
15 years up to and including 20 years, award 5 points.	
Longer than 20 years, award 0 points.	
Provide documentation to substantiate the score for this category below.	
Exe 4	

**(B) Energy efficiency improvements**

If the simple payback of the proposed project is:

Less than 4 years, award 15 points.	<b>Points</b>  <b>0</b>
4 years up to but not including 8 years, award 10 points.	
8 years up to and including 12 years, award 5 points.	
Longer than 12 years, award 0 points.	
Provide documentation to substantiate the score for this category below.	

**ERROR**

**(10) State Director and Administrator priorities and points**

<p>A State Director, for its State allocation under this subpart, or the Administrator, for making awards from the National Office reserve, may award up to 10 points to an application if the application is for an under-represented technology or for flexible fuel pumps or if selecting the application would help achieve geographic diversity. In no case shall an application receive more than 10 points under this criterion.</p>	<p style="text-align: center;"><b>Points</b></p> <p style="text-align: center;"><b>0</b></p>
<p>Provide documentation to substantiate the score for this category below.</p>	
Empty space for documentation	

**ERROR**

**(11) Loan Rate (*Guaranteed Loans Only; 4280.129 (c)*)**

<p>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;</p> <p><b>OR</b></p> <p>If the rate of the loan below the Prime Rate (as published in the Wall Street Journal) plus 1 percent, award 10 points.</p>	<p style="text-align: center;"><b>Points</b></p> <p style="text-align: center;"><b>0</b></p>
<p>Provide documentation to substantiate the score for this category below.</p>	
Empty space for documentation	

**ERROR**

# TECHNICAL REVIEW WORKSHEET

**Project Name:** JDC Manufacturing, LLC - Pv

**Reviewer:** Tim Jones, USDA/RD/NC State Architect

  X   **Pass**

           **Pass with Conditions**

           **Fail**

**Comments:**

Install 52.9 kWh photovoltaic system on roof to produce 73,687 kWh annually.

## Technical Merit

Each category has its own maximum possible score and will be scored according to the following criteria:

- 100% description has no significant weaknesses and exceeds the requirements of the subparagraphs
- 80% description has one or more significant strengths and meets the requirements of the paragraph
- 60% description meets the basic requirements of the subparagraph, but also has several weaknesses
- 40% description is lacking in one or more critical aspect, key issues have not been addressed, but the description demonstrates some merit or strengths
- 20% description has serious deficiencies, internal inconsistencies, or is missing information
- 0% description has no merit in this area

### A. Qualifications of Project Team (maximum 3.5 points)

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.

		<b>"X"</b>
<b>5</b>	100%	3.5 points
<b>4</b>	80%	2.8 points
<b>3</b>	60%	2.1 points
<b>2</b>	40%	1.4 points
<b>1</b>	20%	.7 points
	0%	0 points

**Comments:**

An list of an experienced contractor, manufacturer and an educator that all have designed and installed similar systems.

<b>Total Points:</b>	<b>2.8</b>
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## Technical Merit

Each category has its own maximum possible score and will be scored according to the following criteria:

- 100% description has no significant weaknesses and exceeds the requirements of the subparagraphs
- 80% description has one or more significant strengths and meets the requirements of the paragraph
- 60% description meets the basic requirements of the subparagraph, but also has several weaknesses
- 40% description is lacking in one or more critical aspect, key issues have not been addressed, but the description demonstrates some merit or strengths
- 20% description has serious deficiencies, internal inconsistencies, or is missing information
- 0% description has no merit in this area

### B. Agreements and permits (maximum score of 1.75 points)

The applicant has described the necessary agreements and permits required for the project and the schedule for securing those agreements and permits.

		"X"
<b>5</b>	100%	1.75 points
<b>4</b>	80%	1.4 points
<b>3</b>	60%	1.05 points
<b>2</b>	40%	.7 points
<b>1</b>	20%	.35 points
	0%	0 points

Comments:
Utility interconnection agreement and County electrical permit are in application process.

**Total Points: 1.4**

### C. Energy or resource assessment (maximum score of 3.5 points)

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"
<b>5</b>	100%	3.5 points
<b>4</b>	80%	2.8 points
<b>3</b>	60%	2.1 points
<b>2</b>	40%	1.4 points
<b>1</b>	20%	.7 points
	0%	0 points

Comments:
Installer is design/builder as listed in A above. Manufacturers documentation of system and components. Power to be sold to Duke Power.

**Total Points: 2.8**

## Technical Merit

Each category has its own maximum possible score and will be scored according to the following criteria:

- 100% description has no significant weaknesses and exceeds the requirements of the subparagraphs
- 80% description has one or more significant strengths and meets the requirements of the paragraph
- 60% description meets the basic requirements of the subparagraph, but also has several weaknesses
- 40% description is lacking in one or more critical aspect, key issues have not been addressed, but the description demonstrates some merit or strengths
- 20% description has serious deficiencies, internal inconsistencies, or is missing information
- 0% description has no merit in this area

### D. Design and engineering (maximum score of 10.5 points)

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.

			"X"
<b>5</b>	100%	10.5 points	
<b>4</b>	80%	8.4 points	<b>X</b>
<b>3</b>	60%	6.3 points	
<b>2</b>	40%	4.2 points	
<b>1</b>	20%	2.1 points	
	0%	0 points	

Comments:	
Installer is design/builder as described in A above, has included manufacturer's literature to support the design and all components of the system.	

**Total Points: 8.4**

### E. Project development schedule (maximum score of 1.75 points)

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 cashflow requirements.

			"X"
<b>5</b>	100%	1.75 points	
<b>4</b>	80%	1.40 points	<b>X</b>
<b>3</b>	60%	1.05 points	
<b>2</b>	40%	.70 points	
<b>1</b>	20%	.35 points	
	0%	0 points	

Comments:	
Good development schedule and details provided in attachments.	

**Total Points: 1.4**

## Technical Merit

Each category has its own maximum possible score and will be scored according to the following criteria:

- 100% description has no significant weaknesses and exceeds the requirements of the subparagraphs
- 80% description has one or more significant strengths and meets the requirements of the paragraph
- 60% description meets the basic requirements of the subparagraph, but also has several weaknesses
- 40% description is lacking in one or more critical aspect, key issues have not been addressed, but the description demonstrates some merit or strengths
- 20% description has serious deficiencies, internal inconsistencies, or is missing information
- 0% description has no merit in this area

### F. Project economic assessment (maximum score of 7 points)

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"
<b>5</b>	100%	7.0 points
<b>4</b>	80%	5.6 points
<b>3</b>	60%	4.2 points
<b>2</b>	40%	2.8 points
<b>1</b>	20%	1.4 points
	0%	0 points

Comments:
Simple and cost effective design of Pv system: !  <div style="text-align: right; font-size: 2em; font-family: cursive;">Exe 4</div>

**Total Points: 5.6**

### G. Equipment procurement (maximum score of 1.75 points)

The applicant described the availability of the equipment requirement 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"
<b>5</b>	100%	1.75 points
<b>4</b>	80%	1.40 points
<b>3</b>	60%	1.05 points
<b>2</b>	40%	.70 points
<b>1</b>	20%	.35 points
	0%	0 points

Comments:
Construction time estimate attached.

**Total Points: 1.05**

## Technical Merit

Each category has its own maximum possible score and will be scored according to the following criteria:

- 100% description has no significant weaknesses and exceeds the requirements of the subparagraphs
- 80% description has one or more significant strengths and meets the requirements of the paragraph
- 60% description meets the basic requirements of the subparagraph, but also has several weaknesses
- 40% description is lacking in one or more critical aspect, key issues have not been addressed, but the description demonstrates some merit or strengths
- 20% description has serious deficiencies, internal inconsistencies, or is missing information
- 0% description has no merit in this area

### H. Equipment installation (maximum score of 1.75 points)

The applicant has described the plan for site development and system installation.

		"X"
<b>5</b>	100%	1.75 points
<b>4</b>	80%	1.40 points <b>X</b>
<b>3</b>	60%	1.05 points
<b>2</b>	40%	.70 points
<b>1</b>	20%	.35 points
	0%	0 points

Comments:
Good details of manufacturer's equipment and installation instructions.

**Total Points: 1.4**

### I. Operation and maintenance (maximum score of 1.75 points)

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"
<b>5</b>	100%	1.75 points
<b>4</b>	80%	1.40 points <b>X</b>
<b>3</b>	60%	1.05 points
<b>2</b>	40%	.70 points
<b>1</b>	20%	.35 points
	0%	0 points

Comments:
Good details of manufacturer's operations and maintenance requirements.

**Total Points: 1.4**

## Technical Merit

Each category has its own maximum possible score and will be scored according to the following criteria:

- 100% description has no significant weaknesses and exceeds the requirements of the subparagraphs
- 80% description has one or more significant strengths and meets the requirements of the paragraph
- 60% description meets the basic requirements of the subparagraph, but also has several weaknesses
- 40% description is lacking in one or more critical aspect, key issues have not been addressed, but the description demonstrates some merit or strengths
- 20% description has serious deficiencies, internal inconsistencies, or is missing information
- 0% description has no merit in this area

### J. Dismantling and disposal of project components (maximum score of 1.75 points)

The applicant has described the requirements for dismantling and disposing of 100% project components at the end of their useful life and associated wastes.

			"X"	Comments:	
<b>5</b>	100%	1.75 points		System has long design life and components will be salvaged and recycled.	
<b>4</b>	80%	1.40 points	<b>X</b>		
<b>3</b>	60%	1.05 points			
<b>2</b>	40%	.70 points			
<b>1</b>	20%	.35 points			
	0%	0 points			
				<b>Total Points:</b>	<b>1.4</b>

**Project name:** JDC Manufacturing, LLC - Pv

**Technical Review Score:** 27.65

Tim Jones, USDA/RD/NC State Architect  
Completed by:

17-Jun-11  
Date