Form RD 4280-3B
(Rev 3-23)

Form Approved
OMB No. 0570-0067
Expiration Date: 11/30/2024

U.S. DEPARTMENT OF AGRICULTURE

Rural Development – Rural Business-Cooperative Service

RURAL ENERGY FOR AMERICA PROGRAM

APPLICATION FOR RENEWABLE ENERGY SYSTEMS AND ENERGY EFFICIENCY IMPROVEMENT PROJECTS

TOTAL PROJECT COSTS OF LESS THAN $200,000, BUT MORE THAN $80,000

NOTE: *The following statement is made in accordance with the Privacy Act of 1974 (5 USC 552a) and the Paperwork Act of 1995, as amended. The authority for requesting the following information is Section 9007 of the Agricultural Act of 2014 (Public Law 113-79). This information may be provided to other agencies, Internal Revenue Service, Department of Justice, or other State and Federal law enforcement agencies, and in response to a court magistrate or administrative tribunal. The provisions of criminal and civil fraud statutes, including 18 USC 286, 287, 371, 641, 1001; 1014, 15 USC 714m; and 31 USC 3729, may be applicable to the information provided.*

SUBMIT THIS COMPLETED FORM TO THE USDA RURAL DEVELOPMENT OFFICE IN THE STATE IN WHICH THE PROJECT IS LOCATED.

Attached to this form are detailed Instructions for each section. Please refer to the Instructions for guidance when completing this form. Use attachments as necessary.

I. A. Applicant Legal Name (Block 8a of SF 424):

***** The purpose of these questions is to gather race, ethnicity, and gender information about persons who apply and participate in this USDA program. The information provided will not be used when reviewing the application or when determining eligibility to participate in this program. The answers provided are voluntary and are not required for the application to be considered a complete. The information provided will be used to improve the operation of this program, to help USDA design additional opportunities for program participation, and to monitor enforcement of laws that require equal access to this program for eligible persons. For entities, check all that apply. The information will be kept private to the extent permitted by law.***

****I. B. What is Applicant's race (check all that apply)?**

- American Indian or Alaska Native ☐
- Asian ☐
- Black or African American ☐
- Native Hawaiian or Other Pacific Islander ☐
- White ☐

****I. C. What is Applicant's Gender?**

- Male ☐
- Female ☐

****I. D. What is Applicant's Ethnicity?**

- Hispanic or Latino ☐
- Not Hispanic or Latino ☐

I.E. Is Applicant a Veteran?

- Yes ☐
- No ☐

I. F. Is Applicant a member of a Socially Disadvantaged group?

- Yes ☐
- No ☐

II. Project Title (Block 15 of SF 424):

III. System for Awards Management (SAM) Registration: Provide Unique Entity Identifier (UEI) upon successful SAM registration

UEI

IV. Provide the name(s) for the Executive Director and person(s) who will be accepting or distributing Federal funds.

V. Type of Applicant:

Applicant must certify to meeting the definition of either an Agricultural Producer or Rural Small Business, per 7 C.F.R. 4280.103.

A. Applicant is applying as and hereby certifies to meeting the definition of*(check one)*:

Agricultural Producer ☐ or Rural Small Business ☐

B. Provide primary North American Industry Classification System (NAICS) code for operation:

NAICS Code: Corresponding NAICS size limitation:

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number. The OMB Control Number for this information collection is 0570-0067. Public reporting for this collection of information is estimated to be approximately 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information.

All responses to this collection of information are voluntary, however in order to obtain or retain a benefit the information in this form is required. Rural Development has no plans to publish information collected under the provisions of this program. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Rural Development Innovation Center, Regulations Management Division at ICRMTRequests@usda.gov.

VI. Applicant Description: Describe the ownership of the applicant, including:

A. The project's relationship to the applicant's operations. Describe how the proposed project fits into or operates separately from the applicant's overall business or agricultural production operation:

B. Describe how the applicant, at the time of application, award, and through the useful life, owns the project and owns or controls the site for the project:

C. For each entity(ies) the applicant controls or entity(ies) it is controlled by, provide a list of the owners with their contact information. Describe the relationship between the applicant and the other entity(ies), including percent of ownership and control, management, passive investor ownership and any products exchanged. Organizational charts should be submitted when available:

D. Advise if the applicant is a Tribal entity, describe the location of the project and whether it will be located on a Tribal Lands.

VII. Project Information: The REAP Federal grant share is up to a maximum of 25% unless the project meets one of the following criteria: (a) it is located in a designated distressed energy community; (b) it is proposed by Tribal entities; (c) is an energy efficiency improvement project; (d) it is a renewable energy system or retrofit of a renewable energy system that produces zero greenhouse gas emissions at the project level. **Identify the type of energy project to be funded, supported by attached energy assessment or audit, technical report or vender certification, or feasibility study as applicable.**

A. Energy Efficiency Improvement ☐ OR

B. Renewable Energy System (Non-GHGE) ☐; with storage component ☐ Retrofit of existing RES (Non-GHGE) ☐
Please indicate applicable renewable energy technology:
Solar: Electric (PV) ☐ or Thermal ☐ Geothermal: Direct Use ☐ or Electric Generation ☐ Wind ☐ Hydroelectric ☐
Ocean Energy ☐ Hydrogen sourced with: Solar ☐ or Wind ☐ or Geothermal ☐ OR

C. Renewable Energy System (emits GHGE) ☐ ; with storage component ☐ Retrofit of existing RES (emits GHGE) ☐
Please indicate applicable renewable energy technology:
Biogas *(including landfill gas)* ☐ Biomass: Biodiesel ☐ or Ethanol ☐ or Solid Fuel ☐ or Thermal Conversion ☐
Hydrogen sourced with: Biomass ☐ OR

D. Hybrid (two or more technologies supporting a single system), select technologies above and describe how they work together to support a single system:

E. Project Description. Provide a detailed description of the technology and its intended purpose (energy replacement, net-metered, sold, self-use energy), the project location (address), and the specific site of the project at the project location. Describe utility relationships (interconnection, net metering, power purchase agreements, etc.) and attach agreements to document established rates to be paid for energy being sold or replaced.:

F. Project Construction and Equipment Information. Describe how the design, engineering, testing, and monitoring are sufficient to demonstrate that the proposed project will meet its intended purpose, ensure public safety, and comply with applicable laws, regulations, agreements, permits, codes and standards. Describe how all equipment required is available and able to be procured and delivered within the proposed project development schedule.

G. Commercially Available Equipment. Provide a detailed description of all major equipment to be installed including associated warranties and any applicable processes related to feedstock conversion, list recognized industry organization which certified renewable energy system equipment if applicable:

H. Project Economic Assessment:

1. Project Cost Breakdown:

a. Construction Item: *(Break down total project costs by providing a list of major equipment, labor costs, fees, and other costs associated with the project. Provide useful life information on major system components. Detailed bids may be attached to support total project costs.*):	Useful Life	Cost
		$
		$
		$
		$
		$
		$
		$
b. Total Project Costs: *(Total Project Costs should be the same as on Form SF-424C, "Budget Information-Construction Programs.")*		$
c. Eligible Project Costs: *(See Instructions to determine eligible project costs.)*		$

d. In-Eligible Project Costs: Provide details for any known in-eligible project costs, including but not limited to, down payments made prior to date of application or the prorated portion of residential related renewable energy system costs.

2. Estimated Project Energy Generation or Savings and Cost of Energy. *The Agency may request additional information to substantiate energy quantity, units and rates if necessary:*

a. For Renewable Energy Systems:

i. Annual amount of **renewable energy to be generated** and unit of energy: -Attach a renewable energy site assessment, or other documentation to validate the total amount of energy to be generated, including the quality and availability of the renewable resource to the project.	a.Total Estimated Generation: b. Unit:kWh ☐ or BTU ☐ or ☐
ii. Documented **use** (renewable energy sold, metered/credited, or for direct-use), unit of measurement, price per unit, dollar value, and name of utility/offtaker, as applicable. -Attach power purchase agreement to document quantity of energy sales and price/unit to be paid for energy.	a. Energy Sold: b. Unit: kWh ☐ or BTU ☐or ☐ c. Price/Unit: $ d. $ Value (a x c): $ e. Name of Utility/Offtaker:
-Attach utility net metering, virtual net metering, energy crediting policies and agreements, or letter from utility which shows rate to be paid for excess energy.	a. Energy Metered/Credited: b. Unit:kWh ☐ or BTU ☐ or ☐ c. Price/Unit: $ d. $ Value (a x c): $ e. Name of Utility/Offtaker:
Direct Use Energy: -Must have at least 12 months of historical energy use to score as replacement. Attach at least 12 months of utility bills to document average historical price paid for direct use replacement energy; When calculating the actual average price per unit of energy, only include energy charges directly reduced by the unit of energy being replaced or saved, e.g. do not include monthly service fees, demand or other charges if not directly reduced; or -Attach documentation of conventional energy price for direct use new construction or off-grid applications.	a. Direct Use Energy: b. Unit:kWh ☐ or BTU ☐ or ☐ c. Price/Unit: $ d. $ Value (a x c): $

iii. **By-product/other revenue quantity**, description, unit of measurement, documented fair market price per unit, and dollar value: -Do not include government or utility incentives or renewable energy credits that will not be received annually for the life of the project. -Attach documentation on quantity and price of by-product/other revenue.	a. By-product/other revenue quantity: b. Description: c. Unit: kWh☐ or BTU ☐or☐ d. Price/Unit: $ e. $ Value (a x d): $ a. By-product/other revenue quantity: b. Description: c. Unit: kWh☐ or BTU ☐or☐ d. Price/Unit: $ e. $ Value (a x d): $
iv. **Historical annual average energy used by business**, unit of measurement, average retail price historically paid per unit, and dollar value: -Attach annual residential energy use summary with average historical price paid for business energy; When calculating the actual average price per unit of energy, only include energy charges directly reduced by the unit of energy being replaced or saved, e.g. do not include monthly service fees, demand or other charges if not directly reduced.	a. Historical Business Energy Use: b. Unit: kWh☐ or BTU ☐ or☐ c. Price/Unit: $ d. $ Value (a x c): $
v. If RES project will be connected to a shared meter that connects both the business and a residence, or if the project will virtually net meter or credit energy to be generated by the RES project to a residence off-site from the project, yet owned by the applicant, provide amount of **historical residential energy use** and unit of measurement: a detailed list of assumptions. - Attach at least 12 months of utility bills to document *Note: 50% or more of projected renewable energy to be generated must benefit the business operation in order for the project to be eligible. Eligible project costs are prorated based on historical business energy consumption.* A separate meter may also be installed.	a. Historical Residential Energy Use: b. Unit: kWh☐ or BTU ☐ or☐ A separate meter will be installed: Yes ☐ or No ☐
vi. Annual percentage of energy being **replaced**: *If energy replaced exceeds 150 percent of historical energy use, the project will score as an energy generation project.*	a. (ia ÷ iv a x 100) = %
vii. **Generation Value**: Annual dollar value of proposed renewable energy sold and by-products sold. (Aggregate of F 2 a ii d(s) and F 2 a iii e(s))	$
viii. **Replacement Value**: Annual dollar value of historical energy consumption.(F 2 a iv (d))	$
ix. **Simple payback.** (Total project costs / annual dollar value of energy units sold, credited, replaced or directly used and the fair market value of byproducts.)	

a. Simple Payback RES Generation:	$	÷ $	=	Years
b. Simple Payback RES Replacement:	$	÷ $	=	Years

b. For Energy Efficiency Improvements: Simple Payback is calculated in section VIII. F

I. Qualifications of Service Providers (Include information personnel and companies that will be working to construct and install the project, such as: Energy Auditor, site assessor, contractor, installer, electrician, etc.)

Project Role:			
Company Name:			
Individual's Name:		Title:	
Address:			
City/State/Zip Code:		Phone:	
Qualifications (Either attach a resume or complete below):			
Number performed on a similar system as proposed:			
Years of Relevant experience:			
Professional credentials (include training and/or education related to work, certificates, etc.):			
Licenses:			

Project Role:			
Company Name:			
Name:		Title:	
Address:			
City/State/Zip Code:		Phone:	
Qualifications (Either attach a resume or complete below):			
Number performed on a similar system as proposed:			
Years of Relevant experience:			
Professional credentials (include training and/or education related to work, certificates, etc.):			
Licenses:			

Project Role:			
Company Name:			
Name:		Title:	
Address:			
City/State/Zip Code:		Phone:	
Qualifications (Either attach a resume or complete below):			
Number performed on a similar system as proposed:			
Years of Relevant experience:			
Professional credentials (include training and/or education related to work, certificates, etc.):			
Licenses:			

Project Role:			
Company Name:			
Name:		Title:	
Address:			
City/State/Zip Code:		Phone:	

Qualifications (Either attach a resume or complete below):

Number performed on a similar system as proposed:	
Years of Relevant experience:	
Professional credentials (include training and/or education related to work, certificates, etc.):	
Licenses:	

VIII. Renewable Energy System Projects - Technical Requirements: Prepare technical report in accordance with Appendix B of 7 CFR 4280-B. *If Hybrid project, submit specific technical information for each technology. If project includes one of the following renewable energy technologies, or a technology as amended in via Federal Register publication, a full technical report is not required: solar, wind, micro-hydro, and geothermal direct use. *(For Energy Efficiency Improvement Projects Complete Block VIII.)*

Technical Report Attached ☐

A. Renewable Resource Potential: (Additional information may be requested by the Agency to determine resource feasibility.)

1. An Agency approved Renewable Energy Site Assessment may be used to provide the Project Description, Resource Assessment, and Project Economic Assessment. In such instances, the Technical Report would consist of Section D of Appendix B and the Renewable Energy Site Assessment. If a renewable energy site assessment is provided, sections 2 and 3 do not need to be completed. If the site assessment does not include all this information, complete the portion of this form with the narratives below to supplement the assessment. The assessment should include if applicable, historical residential energy use documentation, per section VI(F)(2)(a)(v).

Agency-approved Site Assessment Completed:	☐ Yes ☐ No Attached: ☐
Site Assessor Name:	
Site Assessor Qualifications:	

2. Provide adequate and appropriate data to demonstrate the amount of renewable resource available. For hybrid projects each technology being proposed must be address. Describe the quality, availability, and seasonality (if applicable) of the renewable energy resource:

3. Basis of determination:

There are several methods to determine resource potential on the site, describe below as applicable and attach as necessary:

Online Estimating Tool:	☐ Yes; List name of Tool: ☐ No
Resource References (Wind Roses, Thematic Maps, etc.):	☐ Yes; List Resource Reference: ☐ No
Site-Specific Evaluation Devices or Site Surveys:	☐ Yes; List device: ☐ No
Photographs of Site:	☐ Yes; Attached to application. ☐ No
Other:	Attach documentation if applicable.

B. For renewable energy systems applications, the Agency may require a feasibility study based on the scope of the project to the applicant's overall operations, including new facilities with significant impacts to an existing operation, or when the application information does not provide sufficient documentation and analysis of the project's engineering, technical, financial, or market feasibility, or the economic viability of the project including any feedstock or off-take agreements, that in total can determine the basis for a successful project. The elements of an acceptable feasibility study may vary by project scope. The feasibility study should be prepared by a qualified independent third party.

☐ Feasibility study for project has been conducted and is attached to support the project.

IX. Energy Efficiency Improvement Projects - Technical Requirements: Prepare technical report in accordance with Appendix A of 7 CFR 4280-B. Attach Energy Audit or Energy Assessment to application. *(If project is a Renewable Energy System, go to Block VII.)*

EEI Technical report is attached ☐ Yes ☐ No Energy Audit or Energy Assessment is attached ☐ Yes ☐ No

A. Existing usage as per Energy Assessment or Energy Audit:

	Energy Used *(converting to BTU)*	Cost
Electricity (kWh)	x 3,412btu/kWh=	$
Propane/LP (gal)	x 91,502btu/gal=	$
Natural Gas (therm)	x 100,000btu/therm=	$
Diesel (gal)	x 139,000btu/gal=	$
Other	x =	$
	Total BTU Existing:	Total Existing Energy Cost: $

B. Proposed (estimated) usage following completion of the project as per Energy Assessment or Energy Audit:

	Energy Used *(converting to BTU)*	Cost
Electricity (kWh)	x 3,412btu/kWh=	$
Propane/LP (gal)	x 91,502btu/gal=	$
Natural Gas (therm)	x 100,000btu/therm=	$
Diesel (gal)	x 139,000btu/gal=	$
Other	x =	$
	Total BTU Proposed:	Total Proposed Energy Cost: $

C. Total Energy Savings: Total BTU Existing	- Total BTU Proposed	=	Total BTU Savings
D. Percent Energy Savings:Total BTU Savings	/ Total BTU Existing	=	% Savings
E. Dollar Savings: Total Existing Energy Cost	- Total Proposed Energy Cost	=	Dollars Saved

F. EEI Simple Payback: Total Project Costs: (D1b) $ / annual energy savings value (VIII E.) $ = years

X. Environmental Benefits: Provide a detailed narrative or analysis where applicable to support the project's impact on the following:

A. Will the project convert farm land and if so how many acres?

B. Will the project contribute to deforestation or address fire hazards on forest lands?

C. Will the project conserve water and if so, how much?

D. Does the project comply with the Environmental Protection Agency's renewable fuel standard?

E. Are at least 25 percent of the project components biobased?

XI. Commitment of Funds: Documentation is required to be attached for points under the commitment of funds scoring criteria.		
Source:	Amount:$	Attached: ☐
Source:	Amount:$	Attached: ☐
Source:	Amount:$	Attached: ☐
Source:	Amount:$	Attached: ☐
	Total:$	

XII: Relationship:

This is to certify that I, as the Applicant, have ☐ a known or ☐ no known relationship or association with a Rural Development employee.

If there is a known relationship, please indicate the name of the Rural Development employee:

XIII. Previous Funding:

I, the Applicant, have ☐ or ☐ have not, received any grants and/or guaranteed loans under the REAP program.

If grants or guaranteed loans have been received, identify each grant and/or guaranteed loan, date received, and describe the progress that has been made on each project, including projected schedules and actual completions dates, if applicable:

XIV. Good Standing:

I, the Applicant, being a legal entity, am ☐ or am not ☐ in good standing and operating in accordance with the laws of the State(s) or Tribe where I, the Applicant, have a place of business.

☐ Not applicable, I am applying as a sole proprietor.

XV. Certifications:

The Applicant certifies to each of the following by checking the box below: *(The Agency reserves the right to request additional information to substantiate the certification(s).)*

☐ A. The applicant meets each of the applicant eligibility criteria found in 7 C.F.R. 4280.112.

☐ B. The proposed project meets each of the project eligibility requirements found in 7 C.F.R. 4280.113.

☐ C. The proposed project will use only commercially available technology as defined in 7 C.F.R. 4280.103.

☐ D. Per 7 C.F.R. 4280.113, the applicant acknowledges caution against taking any actions or incurring any obligations prior to the Agency's environmental review that limits the range of alternatives or has an adverse effect on the environment, such initiation of construction. If taken, it could result in project ineligibility.

☐ E. The applicant meets the criteria for submitting an application for projects with Total Project Costs of less than $200,000, but more than $80,000.

☐ F. The applicant or the applicant's prime contractor assumes all risk and responsibilities of project development, including interim financing, including during construction. The applicant is solely responsible for the execution of all contracts.

☐ G. Construction planning and performing development will be performed in compliance with 7 C.F.R. 4280.125.

☐ H. The applicant agrees not to request reimbursement from funds obligated under this program until after the project has been completed and is operating in accordance with the information provided in the application for the project.

☐ I. The applicant will maintain insurance coverage as required under 7 C.F.R. 4280.123 (b).

☐ J. The equipment required for the project is available, can be procured and delivered within the proposed project development schedule, and will be installed in conformance with manufacturer's specifications and design requirements. This would not be applicable when equipment is not part of the project.

☐ K. The project will be constructed in accordance with applicable laws, regulations, agreements, permits, codes, and standards.

☐ L. The applicant will abide by the open and free competition requirements in compliance with 7 C.F.R. 4280.125 (a)(1).

☐ M. The Applicant will abide by the equal employment opportunity requirements in compliance with 7 C.F.R. 4280.125 (a)(2).

☐ N. For bioenergy projects only, that any and all woody biomass feedstock from National Forest System land or public lands cannot be used as a higher value wood-based product.

XVI. Attach the following if not already submitted:

☐ Form SF 424, "Application for Federal Assistance".

☐ Form SF-424C, "Budget Information-Construction Programs".

☐ Form SF-424D, "Assurances Construction Programs".

☐ Environmental documentation per 7 C.F.R. 1970.

☐ Renewable Energy Resource documentation.

☐ RES Replacement-Minimum of 12 months historical utility bills.

☐ RES Rate & Energy Quantity documentation: PPA/Net metering or crediting policies/Letter from utility.

☐ Energy Audit or Energy Assessment with a minimum of 12 months historical utility bills.

☐ Matching funds documentation.

☐ Feasibility Study, as necessary, for Renewable Energy System projects.

☐ Other. Describe:

XVII. Certification of Documentation and Acceptance:

CERTIFICATION AND ACCEPTANCE

I certify that, to the best of my knowledge and belief, the information included with this Application, including all attachments, are true and correct, and that I certify to each of the conditions specified in Section V and XII-XVI of this application.

AGRICULTURAL PRODUCER \ RURAL SMALL BUSINESS

_____ _____

Signature **(AGRICULTURAL PRODUCER \ RURAL SMALL BUSINESS NAME)**

By: _____

Printed Name

Title: _____

Date: _____