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.

	completing this form. Ose attachmen			,		
I. A.	Applicant Legal Name (Block 8a of SF 4	24):				
provid requir additi	e purpose of these questions is to gather race, ethnic fled will not be used when reviewing the application o ed for the application to be considered a complete. To onal opportunities for program participation, and to n t	r when de he inform nonitor en	termining ation pro forcemen	ng el rovid ent o	igibility to participate in this program. The a led will be used to improve the operation of f laws that require equal access to this prog	nswers provided are voluntary and are not this program, to help USDA design
*I. B.	What is Applicant's race (check all that	apply)?	**I. C.). N	What is Applicant's Sex?	I.E. Is Applicant a Veteran?
	American Indian or Alaska Native				Male	Yes
	Asian				Female	No \square
	Black or African American		**I. D.	٥. ١	What is Applicant's Ethnicity?	
	Native Hawaiian or				Hispanic or Latino	I. F. Is Applicant a member of a Socially Disadvantaged group?
	Other Pacific Islander White				Not Hispanic or Latino	Yes No
II.	Project Title (Block 15 of SF 424):					
III.	System for Awards Management (SAM)	Reaistr	ation: F	Pro	ວvide Unique Entity Identifier (UEI) ເ	upon successful SAM registration
	UEI	7				
IV.	Provide the name(s) for the Executive Dire	ctor and	persor	n(s) who will be accepting or distributing	g Federal funds.
٧.	Type of Applicant:					
Appli	cant must certify to meeting the definition o	f either	an Agri	ricu	Itural Producer or Rural Small Busir	ness, per 7 C.F.R. 4280.103.
A.	Applicant is applying as and hereby cert	ifies to r	neeting	g th	ne definition of(check one):	
	Agricultural Producer	or Rura	l Small	II B	usiness	
В.	Provide primary North American Industr	y Classi	fication	n S	ystem (NAICS) code for operation:	
	NAICS Code: Co	rrespon	ding NA	IAI	CS 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 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 Econom	ic Assessment:			
. Project Cost Bre	eakdown:			
abor costs, fees, an	Item: (Break down total project costs by providing a list of mad other costs associated with the project. Provide useful life in Detailed bids may be attached to support total project costs.	nformation on major	Useful Life	Cost
<i>y</i> 0.2		<i>y</i> -		\$
				\$
				\$
				\$
				\$
				\$
				\$
b. Total Project formation-Constru	Costs: (Total Project Costs should be the same as on Form ction Programs.")	SF-424C, "Budget		\$
,	ct Costs: (See Instructions to determine eligible project costs oject Costs: Provide details for any known in-eligible project o	,		\$
estimated Proje	de prior to date of application or the prorated portion of resider ect Energy Generation or Savings and Cost of Energy. The Actual states are the substantiate energy quantity, units and rates if necessary:			
a. For Renew	vable Energy Systems:			
i.	Annual amount of renewable energy to be generated and unit of energy:	a.Total Estimated G	Generation:	
	-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.	b. Unit:kWh or I	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.	a. Energy Sold: b. Unit: kWh or c. Price/Unit:]
	 -Attach power purchase agreement to document quantity of energy sales and price/unit to be paid for energy. 	d. \$ Value (a x c): \$ e. Name of Utility/O		
	- <u>Attach</u> 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/6 b. Unit:kWh or E c. Price/Unit: d. \$ Value (a x c):	BTU 🗌 or 🗌]
	Direct Use Energy:	e. Name of Utility/Offtaker:		
	-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	a. Direct Use Energ b. Unit:kWh or E c. Price/Unit: 3 d. \$ Value (a x c): \$	BTU 🔲 or 🗆 \$]
	not directly reduced; or - <u>Attach</u> documentation of conventional energy price for direct use new construction or off-grid applications.			

iii.	By-product/other revenue quantity , description, unit of measurement, documented fair market price per unit, and dollar value:	a. By-product/othe quantity:	er revenue	
	-Do not include government or utility incentives or renewable energy credits that will not be received	b. Description:		
	annually for the life of the project.	c. Unit: kWh☐ or	BTU □or	
	 -<u>Attach</u> documentation on quantity and price of by- product/other revenue. 	d. Price/Unit:	\$	
	productioner revenue.	e. \$ Value (a x d):	\$	
		a. By-product/othe	er revenue	
		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:	a. Historical Busin	ess Energy Use	: :
	-Attach annual residential energy use summary with average historical price paid for business energy;	b. Unit: kWh or		
	When calculating the actual average price per unit of	c. Price/Unit:	\$	
	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.	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. Historical Resid b. Unit: kWh ☐ or		se:
	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	will be installed:	:
	A separate meter may also be installed.		Yes 🗌	or No 🔲
vi.		a. (ia ÷ iv a x 100)	=	%
	If energy replaced exceeds 150 percent of historical energy use, the project will score as an energy generation project.			
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))	\$		
	Simple payback. (Total project costs / annual dollar value or and the fair market value of byproducts.)	of energy units sold, c	credited, replace	ed or
	a. Simple Payback RES Generation: \$	÷\$	=	Year
			=	

Project Role:				
Company Name:				
Individual's Name:		Title:		
Address:		•		
City/State/Zip Code:			Phone:	
Qualifications (Eit	her attach a resume or comp	lete below):		
Number performed on	a similar system as proposed:			
Years of Relevant exp	perience:			
	als (include training and/or ork, certificates, etc.):			
Licenses:				
Project Role:				
Company Name:				
Name:		Title:		
Address:				
City/State/Zip Code:			Phone:	
Qualifications (Eit	her attach a resume or comp	lete below):		
Number performed on	a similar system as proposed:			
Years of Relevant exp	perience:			
Professional credentia education related to w	als (include training and/or rork, certificates, etc.):			
Licenses:				
Project Role:				
Company Name:				
Name:		Title:		
Address:				
			Phone:	
City/State/Zip Code:	har attach a recume ar comp	lete below):		
City/State/Zip Code: Qualifications (Eit	ner attach a resume or comp			
Qualifications (Eit	a similar system as proposed:			
Qualifications (Eit Number performed on	a similar system as proposed:			
Qualifications (Eit Number performed on Years of Relevant exp	a similar system as proposed: perience: als (include training and/or			

	Pı	roject Role:								
	_	ompany Name:								
	N	ame:			Title:					
	Ad	ddress:								
	Ci	ty/State/Zip Code:				Phone:				
	Q	ualifications (Eithe	r attac	h a resume or comp	lete below):					
	N	umber performed on a	similar	system as proposed:						
	Ye	ears of Relevant experi	ence:							
		rofessional credentials (ducation related to work								
	Li	censes:								
CF rer rec	R 428 newab quired:	0-B. *If Hybrid project, le energy technologies,	, submi , or a te	s - Technical Requirement t specific technical informent echnology as amended in geothermal direct use. (ation for each te via Federal Reg	echnology. If gister publica	proje	ct includes a full techni	one of the ical report	following is not
Α.		· ·	- ential: <i>(</i>	Additional information ma	av he requested	hy the Ager	ncv to	determine	resource fo	easibility)
		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 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, historic residential energy use documentation, per section VI(F)(2)(a)(v).					d, sections 2 e portion of			
		Agency-approved	Site A	ssessment Completed:	☐ Yes	□N	0	Attached:		
		Site Assessor Na	me:							
		Site Assessor Qua	alificati	ons:						
	2.		ng prop	opriate data to demonstra osed must be address. [
	3.	Basis of determination	n.							
	ა.			o determine resource pot	ential on the site	e, describe b	elow	as applicab	le and atta	ach as
		Online Estimating Too	ol:	☐ Yes; List name of To☐ No	ol:					
		Resource References (Wind Roses, Thema Maps, etc.):						_ _		
		Site-Specific Evaluati Devices or Site Surve		☐ Yes; List device: ☐ No						
		Photographs of Site: Yes; Attached to application.								
		Other:	Attach documentation if applicable.							

applicant's overall operations, incl does not provide sufficient docume economic viability of the project in	uding new faci entation and a cluding any fee	he Agency may require a feasibility study be a feasibility study be a lities with significant impacts to an existing nalysis of the project's engineering, technic edstock or off-take agreements, that in totally study may vary by project scope. The feat	g operation, or whe cal, financial, or ma al can determine th	n the application information arket feasibility, or the e basis for a successful
Feasibility study for project h	as been condu	ucted and is attached to support the project	t.	
of 7 CFR 4280-B. Attach Energy A	udit or Energy	Technical Requirements: Prepare technical Requirements: (If project is a	a Renewable Ener	gy System, go to Block VII.)
EEI Technical report is attached	Yes	No Energy Audit or Energy Ass	sessment is attach	ed Yes No
A. Existing usage as per E	nergy Assessr Energy Used			Cont
Electricity (kWh)	Ellergy Osed	(converting to BTU)		Cost
Propane/LP (gal)		x 3,412btu/kWh=		\$
Natural Gas (therm)		x 91,502btu/gal=		\$
` ′		x 100,000btu/therm=		\$
Diesel (gal)		x 139,000btu/gal=		\$
Other		x =		\$ Total Existing Energy Cost:
		Total BTU Existing:		\$
B. Proposed (estimated) us	age following o	completion of the project as per Energy As	sessment or Energ	gy 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 BT	U Existing	- Total BTU Proposed	=	Total BTU Savings
D. Percent Energy Savings:Total B	TU Savings	/ Total BTU Existing	=	% Savings
E. Dollar Savings: Total Existing E	nergy Cost	- Total Proposed Energy Cost	=	Dollars Saved
F. EEI Simple Payback: Total Proj	ect Costs: (D1	b)\$ / annual energy sav	vings value (VIII E.)	\$
			=	years
X. Environmental Benefits: Prov	ide a detailed	narrative or analysis where applicable to s	support the project's	s impact on the following:
A. Will the project convert	arm land and	if so how many acres?		
B. Will the project contribute	to deforestation	on or address fire hazards on forest lands?	?	
C. Will the project conserve v	vater and if so,	how much?		
D. Does the project comply w	rith the Enviror	nmental Protection Agency's renewable fue	el standard?	
E. Are at least 25 percent of t	he project con	nponents biobased?		

XI. C	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 lemployee.	known relationship or association wi	th a Rural Development
	If there is a known relationship, please indicate the name of the Rur	ral Development employee:	
XIII.	Previous Funding: I, the Applicant, have \square or \square have not, received any grants and/or	r guaranteed loans under the REAP	program.
	If grants or guaranteed loans have been received, identify each graprogress that has been made on each project, including projected s		
XIV.	Good Standing: I, the Applicant, being a legal entity, am ☐ or am not ☐ in good state or Tribe where I, the Applicant, have a place of business. ☐ Not applicable, I am applying as a sole proprietor.	anding and operating in accordance	with the laws of the State(s)
XV.	Certifications:		
	The Applicant certifies to each of the following by checking the box information to substantiate the certification(s).)	below: (The Agency reserves the ri	ght to request additional
	$\hfill \square$ A. The applicant meets each of the applicant eligibility criteria for	ound in 7 C.F.R. 4280.112.	
	$\hfill \square$ B. The proposed project meets each of the project eligibility required by the project \hfill	uirements found in 7 C.F.R. 4280.1	13.
	☐ C. The proposed project will use only commercially available ted	chnology as defined in 7 C.F.R. 428	0.103.
	□ D. Per 7 C.F.R. 4280.113, the applicant acknowledges caution a the Agency's environmental review that limits the range of a initiation of construction. If taken, it could result in project in	Iternatives or has an adverse effect	
	$\hfill \Box$ E. The applicant meets the criteria for submitting an application more than \$80,000.	for projects with Total Project Costs	of less than \$200,000, but
	☐ F. The applicant or the applicant's prime contractor assumes all interim financing, including during construction. The applica		
	$\hfill \square$ G. Construction planning and performing development will be performed by the construction of the performance of the construction of th	erformed in compliance with 7 C.F.F	R. 4280.125.
	☐ H. The applicant agrees not to request reimbursement from functional completed and is operating in accordance with the information		
	☐ I. The applicant will maintain insurance coverage as required un	nder 7 C.F.R. 4280.123 (b).	
	J. The equipment required for the project is available, can be proschedule, and will be installed in conformance with manufact 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
(AGRICULTURAL PRODUCER \ RURAL SMALL BUSINESS NAME)
Signature (AGRICOLTORAL PRODUCER (RORAL SMALL BOSINESS NAME)
Pour Pour Pour Pour Pour Pour Pour Pour
By: Printed Name
Title:
Date: