

DOE OFFICE OF INDIAN ENERGY

# Funding Opportunity Announcement Webinar

ENERGY INFRASTRUCTURE DEPLOYMENT ON TRIBAL LANDS – 2020  
(DE-FOA-0002168)

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U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Indian Energy

December 10, 2019

Send FOA Questions to  
[TribalGrants@hq.doe.gov](mailto:TribalGrants@hq.doe.gov)

# Department of Energy

## Mission

Ensure America's security and prosperity by addressing its energy, environmental and nuclear challenges through transformative science and technology solutions.

- Energy
- Science and Innovation
- Nuclear Safety and Security
- Management and Operational Excellence

### Energy

Catalyze the timely, material, and efficient transformation of the nation's energy system and secure U.S. leadership in energy technologies.

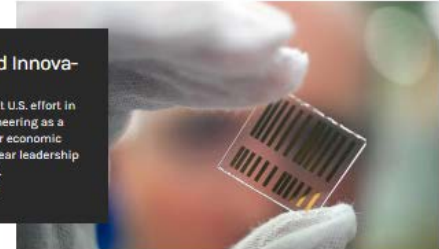
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### Science and Innovation

Maintain a vibrant U.S. effort in science and engineering as a cornerstone of our economic prosperity with clear leadership in strategic areas.

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### Nuclear Safety and Security

Enhance nuclear security through defense, nonproliferation, and environmental efforts.

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### Management and Operational Excellence

Establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success.

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# Department of Energy



## Program Offices

- Cybersecurity, Energy Security, and Emergency Response
- Advanced Research Projects Agency – Energy
- Energy Efficiency and Renewable Energy
- **Indian Energy Policy and Programs**
- Environmental Management
- Office of Electricity
- Loan Program Office
- Office of Fossil Energy
- Legacy Management
- Nuclear Energy
- Office of Science



# Office of Indian Energy

## Office of Indian Energy Policy and Programs

Funds and implements activities that assist American Indian Tribes and Alaska Native villages with energy development, capacity building, energy cost reduction, and electrification of Indian lands and homes.

[VIEW MORE](#)



Authorized under the Energy Policy Act (EPAct) of 2005 and charged by Congress to:

- (1) **promote Indian tribal energy development, efficiency, and use;**
- (2) **reduce or stabilize energy costs;**
- (3) **enhance and strengthen Indian tribal energy and economic infrastructure** relating to natural resource development and electrification; and
- (4) **bring electrical power and service to Indian land and the homes** of tribal members located on Indian lands or acquired, constructed, or improved (in whole or in part) with Federal funds.”



# Program Mission

To maximize the development and deployment of strategic energy solutions that benefit tribal communities by providing American Indians and Alaska Natives with the knowledge, skills, and resources needed to implement successful strategic energy solutions.



Clockwise from top right: **Seneca Nation's** (NY) 1.5 MW wind turbine, **Fort Yukon's** (AK) combined heat and powerhouse, **Coeur d'Alene Tribe's** (ID) Benewah Market energy efficiency project, **Sokaogon Chippewa Community** (WI) Housing Project, and **Chippewa Cree Tribe's** (MT) Residential Solar.

# FOA Document, Forms & Frequently Asked Questions

<https://eere-exchange.energy.gov>

## DE-FOA-0002168: ENERGY INFRASTRUCTURE DEPLOYMENT ON TRIBAL LANDS - 2020

This Funding Opportunity Announcement (FOA) is consistent with the principles of tribal sovereignty and self-determination, and with an all-of-the-above energy strategy that recognizes the breadth of energy resources on Tribal Lands, and each Tribe's right to use them as they see fit. Projects sought under this FOA are fuel and technology neutral. Specifically, DOE's Office of Indian Energy is soliciting applications from Indian Tribes, which include Alaska Native Regional Corporations and Village Corporations, Intertribal Organizations, and Tribal Energy Development Organizations to:

Apply

- (1) Install energy generating system(s) and/or energy efficiency measure(s) for Tribal Building(s) (Topic Area 1); or,
- (2) Deploy community-scale energy generating system(s) or energy storage on Tribal Lands (Topic Area 2); or,
- (3) Install integrated energy system(s) for autonomous operation (independent of the traditional centralized electric power grid) to power a single or multiple essential tribal facilities during emergency situations or for tribal community resilience (Topic Area 3); or,
- (4) Deploy energy infrastructure and integrated energy system(s) to electrify Tribal Buildings (Topic Area 4).

Applications from a consortium of Indian Tribes (Tribal Consortium) will be accepted but must be submitted by a single Indian Tribe acting as the Applicant and representing the Consortium. Applications may also be submitted on behalf of Indian Tribe(s) by an authorized Tribal Organization, provided evidence of that authority is included as part of the application.

The intended results of the 50% cost-shared projects selected under this FOA are to reduce or stabilize energy costs and increase energy security and resiliency for Indian Tribes and tribal members.

DOE expects to make approximately \$3.5 million to \$15 million of federal funding available for new awards under this FOA, subject to the availability of appropriated funds. The actual level of funding, if any, depends on Congressional appropriations. DOE anticipates making approximately 5 to 15 awards under this FOA. DOE may issue awards in one, multiple, or none of the topic areas.

### Informational Webinar:

An informational webinar will be held December 10, 2019 to provide information on the FOA to potential applicants. In addition to describing the FOA in detail, information will be provided on who is eligible to apply, what an application needs to include, cost share and other requirements, how to ask questions, and how applications will be selected for funding. If you are unable to attend the webinar, it will be recorded and posted for later viewing.

Register for the webinar at: <https://register.gotowebinar.com/register/8209149928731040013>

EERE Exchange is designed to enforce the deadlines specified in this FOA. The "Apply" and "Submit" buttons will be automatically disable at the defined submission deadlines.

<https://eere-exchange.energy.gov/Default.aspx#Foaldfe5dcfa3-2786-4c03-ae29-e77926e46f35>



# FOA Document, Forms & Frequently Asked Questions

## DOCUMENTS

- [DE-FOA-0002168 ENERGY INFRASTRUCTURE DEPLOYMENT ON TRIBAL LANDS - 2020](#) (Last Up

## REQUIRED APPLICATION DOCUMENTS

Pursuant to the FOA, Applicants are required to submit the "Required Application Documents" with their Ap considered.

[View Required Application Documents](#)

## CONTACT INFORMATION

- [Tribalgrants@hq.doe.gov](mailto:Tribalgrants@hq.doe.gov)
- [EERE-ExchangeSupport@hq.doe.gov](mailto:EERE-ExchangeSupport@hq.doe.gov)

## FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

## SUBMISSION DEADLINES

- Full Application Submission Deadline: [2/6/2020 5:00 PM ET](#)

<https://eere-exchange.energy.gov/Default.aspx#Foaldfe5dcfa3-2786-4c03-ae29-e77926e46f35>

# FOA Document, Forms & Frequently Asked Questions

## REQUIRED APPLICATION DOCUMENTS

Pursuant to the FOA, Applicants are required to submit the "Required Application Documents" with their Application. Applications not meeting these requirements will not be reviewed or considered.

### *Full Application*

- [Application for Financial Assistance SF-424](#) (Last Updated: 11/4/2019 12:12 PM ET)
- [Summary Slide Template](#) (Last Updated: 11/12/2019 10:16 AM ET)
- [Workplan Template](#) (Last Updated: 11/12/2019 10:16 AM ET)
- [Project Metrics Data File](#) (Last Updated: 11/12/2019 10:17 AM ET)
- [Options Analysis Template](#) (Last Updated: 11/12/2019 10:18 AM ET)
- [Eligibility Statements and Evidence](#) (Last Updated: 11/12/2019 10:18 AM ET)
- [Budget Justification Workbook \(IE 335\)](#) (Last Updated: 11/12/2019 10:19 AM ET)
- [Subrecipient Budget Justification Workbook \(IE 335\)](#) (Last Updated: 11/12/2019 10:20 AM ET)
- [Budget Support Template](#) (Last Updated: 11/12/2019 10:22 AM ET)
- [Registration Certifications](#) (Last Updated: 11/12/2019 10:20 AM ET)
- [SFLLL Disclosure of Lobbying Activities](#) (Last Updated: 11/12/2019 10:21 AM ET)

[Hide Required Application Documents](#)

<https://eere-exchange.energy.gov/Default.aspx#Foaldfe5dcfa3-2786-4c03-ae29-e77926e46f35>



# FOA Document, Forms & Frequently Asked Questions

## FREQUENTLY ASKED QUESTIONS

Select a FOA to view questions and answers for the specific funding opportunity. Alternatively select "Non-FOA related items" to view system FAQ items.

DE-FOA-0002168: ENERGY INFRASTRUCTURE DEPLOYMENT ON TRIBAL LANDS - 2020

**Question 1:** I just took a look at the new DOE FOA re Energy Infrastructure, and saw that one of the purposes is to fund programs that "Deploy energy infrastructure and integrated energy system(s) to electrify Tribal Buildings (Topic Area 4)." The tribe has committed to pursuing development of commercial operations at a building located on tribal fee land. There is electricity accessible; however, it would need to be extended to that site. Would that project be eligible for funding under this program?

**Answer 1:**

As stated in Section III.F. Questions Regarding Eligibility (page 39) of the Funding Opportunity Announcement (FOA), "**DOE will not make eligibility determinations for potential Applicants prior to the date on which applications to this FOA must be submitted. The decision of whether to submit an application in response to this FOA lies solely with the Applicant.**"

However, for your purposes in making that decision, we offer the following:

Based on the limited information provided, it appears the building located on tribal fee land may qualify as an unelectrified Tribal Building (see definition of "unelectrified" below and in Appendix A of the FOA). However, unless the proposed project meets the requirement of electrifying "a "substantial" number of Tribal Buildings (no less than three (3) Tribal Buildings) which otherwise would be unelectrified", it would not meet the requirements of Topic Area 4. Please review the requirements of Topic Area 4 to ensure the proposed project meets all the specified requirements.

""**Unelectrified**" for purposes of this FOA, means Tribal Buildings not connected to (1) the traditional centralized electric power grid or (2) an integrated energy system(s) operating independent of the traditional centralized electric power grid."

**Question 2:** I have some questions regarding the Energy Infrastructure Deployment on Tribal Lands grant specific to energy projects that support gaming operations. Have any awards have ever been granted to energy projects that directly support gaming operations in the past? Would a proposal for this type of energy project be scored adversely for being tied to gaming?

**Answer 2:**

Gaming facilities or 'tribal casinos' are identified as "Tribally-owned or controlled building(s)" in the Funding Opportunity Announcement (FOA) and, as such, projects proposed for tribal casinos are not prohibited, provided they comply with the remaining requirements of the FOA.

<https://eere-exchange.energy.gov/Default.aspx#Foaldfe5dcfa3-2786-4c03-ae29-e77926e46f35>



# 2020 Funding Opportunity

## ENERGY INFRASTRUCTURE DEPLOYMENT ON TRIBAL LANDS - 2020

### Funding Opportunity Announcement (FOA)

Number: DE-FOA-0002168

FOA Type: 0000

CFDA Number: 81.087

FOA Issue Date:	November 13, 2019
Informational Webinar:	December 10, 2019 at 3:00 pm Eastern Time
Submission Deadline for Applications:	February 6, 2020 at 5:00 pm Eastern Time
Expected Date for DOE Selection Notifications:	Summer 2020
Expected Timeframe for Award Negotiations	90 days after receipt of any requested supplemental information

**Announced November 13, 2019**  
**Applications due February 6, 2020**

# Read the Funding Opportunity Announcement, then Read it Again



# EERE Exchange Registration

- To apply to this FOA, **Applicants must register with and submit Application materials through EERE Exchange** at <https://eere-Exchange.energy.gov>, EERE's online Application portal.
- Frequently asked questions for this FOA and the EERE Application process can be found at <https://eere-exchange.energy.gov/FAQ.aspx>.
- Register in Grants.gov (<http://www.grants.gov>) to receive automatic updates when Amendments to this FOA are posted. However, please note **Applications will not be accepted through Grants.gov.**



## Other Registration Requirements

- The EERE Exchange registration does not have a delay; however, **the remaining registration requirements could take several weeks to process.**
- All potential Applicants lacking a DUNS number, or not yet registered with SAM or FedConnect must complete those registrations prior to submitting an application.
- Please see Part VI.B of the FOA (beginning on page 78 of the FOA document) for information on how to register in the above systems.
- **An authorized representative of the Applicant will need to certify that these registrations are completed and that certification submitted as part of an application.**

## Notice

- All applicants are strongly encouraged to carefully read the Funding Opportunity Announcement DE-FOA-0002168 and adhere to the stated submission requirements.
- This presentation summarizes the contents of FOA. However, if there are any inconsistencies between the FOA and this presentation or statements from DOE or other personnel, the **FOA is the controlling document and applicants should rely solely on the FOA language or seek clarification from DOE.**
- If you believe there is an inconsistency, please contact us by sending an email to [TribalGrants@hq.doe.gov](mailto:TribalGrants@hq.doe.gov).

# Agenda

**FOA Summary, Requirements and Application Elements**

**Applications Not of Interest**

**Award Information**

**Eligibility Information**

**Cost Sharing Requirements**

**Content and Form of Application**

**Application Eligibility Requirements**

**Merit Review and Selection Criteria and Process**

**Registration Requirements**

**Application Submission and Points-of-Contact**

**FOA Questions**

**Best Practices**

**Closing**



# Agenda

**FOA Summary, Requirements and Application Elements**

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**Best Practices**

**Closing**





# FOA Executive Summary

<b>FOA Summary</b>	This FOA is consistent with the principles of tribal sovereignty and self-determination, and with an all of-the-above energy strategy that recognizes the breadth of energy resources on Tribal Lands, and each Tribe’s right to use them as they see fit. Projects sought under this FOA are fuel and technology neutral. Specifically, DOE’s Office of Indian Energy is soliciting applications from Indian Tribes, which include Alaska Native Regional Corporations and Village Corporations (hereafter referred collectively as “Indian Tribes”), Intertribal Organizations, and Tribal Energy Development Organizations to: (1) install energy generating system(s) and/or energy efficiency measure(s) for Tribal Building(s) (Topic Area 1); or, (2) deploy community-scale energy generating system(s) or energy storage on Tribal Lands (Topic Area 2); or, (3) install integrated energy system(s) for autonomous operation (independent of the traditional centralized electric power grid) to power a single or multiple essential tribal facilities during emergency situations or for tribal community resilience (Topic Area 3); or, (4) deploy energy infrastructure and integrated energy system(s) to electrify Tribal Buildings (Topic Area 4). (See Section III.A. for eligibility information and Appendix A for the definitions).
<b>Total Amount to be Awarded</b>	Approximately \$3.5 million to \$15 million in federal funds. The actual level of funding will depend on Congressional appropriations. DOE anticipates making approximately 5 to 15 awards under this FOA. DOE may issue awards in one, multiple, or none of the Topic Areas.

# FOA Executive Summary

<b>Award Amount (Minimum and Maximum)</b>	DOE funding per individual award range from no less than \$50,000 to maximum of \$1,000,000 for Topic Area 1, from no less than \$250,000 to a maximum of \$2,000,000 for Topic Area 2, from no less than \$50,000 to a maximum of \$1,000,000 for Topic Area 3.a., no less than \$250,000 to a maximum of \$2,000,000 for Topic Area 3.b, and no less than \$250,000 to a maximum of \$2,000,000 for Topic Area 4
<b>Types of Funding Agreements</b>	Grants
<b>Period of Performance</b>	DOE anticipates making awards with period of performances of approximately one (1) to two (2) years, but <u>no</u> longer than three (3) years including the mandatory 12 month verification period.

# FOA Executive Summary

<b>Eligible Applicants</b>	Pursuant to its authorizing statute, DOE's Office of Indian Energy will <u>only</u> consider applications from: (1) an Indian Tribe; (2) Intertribal Organization, or (3) Tribal Energy Development Organization; and (4) on whose Tribal Lands the project(s) will be located (see Section III, Eligibility Information, and Appendix A for further definition). Applications from a consortium of Indian Tribes (Tribal Consortium) will be accepted but must be submitted by a single Indian Tribe acting as the Applicant representing the Consortium. Applications may also be submitted on behalf of Indian Tribe(s) by an authorized Tribal Organization, provided evidence of that authority is supplied as part of the application. See Section III.A for eligibility requirements and definitions. <b>DOE will <u>not</u> make eligibility determinations for potential Applicants <u>prior</u> to the date on which applications to this FOA must be submitted. The decision of whether to submit an application in response to this FOA lies <u>solely</u> with the Applicant. All Applicants are required to submit eligibility statements that document and provide evidence of Applicant and land status eligibility to support DOE's eligibility determination.</b>
<b>Cost Share Requirement</b>	A 50% cost share of the total allowable costs of the project (i.e., the sum of the DOE share, and the Recipient share of allowable costs equals the total allowable cost of the project) is required. All cost share must come from non-federal sources unless otherwise allowed by law (see Section III.B. for instances where additional federal funds can be used against the total project costs or as non-federal cost share, as allowed to by law).

# FOA Executive Summary

<b>Additional Consideration in the Selection for Funding</b>	In addition to the ability to consider geographic and technology diversity, and the optimum use of available DOE funding to achieve programmatic objectives, the Selection Official may, through the application of program policy factors (see Section V.C.), also give additional consideration in the selection of applications for funding to: (1) whether the proposed project serves tribal communities with high energy costs; (2) whether the proposed project serves tribal communities not connected to the traditional centralized electrical power grid; and, (3) Applicants who have not previously received a grant from the Office of Indian Energy.
<b>Technical Assistance</b>	To increase the deployment of energy infrastructure on Tribal Lands, the DOE Office of Indian Energy may, upon request, provide technical assistance to all eligible Applicants who apply under this FOA and whose applications are comprehensively reviewed but not selected for negotiation, if the Office of Indian Energy determines it to be within its scope and budget. Such technical assistance will be provided on a priority basis over those who do not apply to this FOA.
<b>Submission of Multiple Applications</b>	Applicants may submit more than one application to this FOA and/or more than one application under a particular Topic Area, provided <u>each</u> application is for a distinctively different project and each application addresses <u>only</u> one Topic Area. Each application <u>must</u> have a distinct title, unique Control Number as assigned by EERE Exchange during the registration process, and be readily distinguishable.



# FOA Executive Summary

<b>Concept Paper</b>	Not required under this FOA.
<b>Means of Submission</b>	Applications <u>must</u> be submitted through EERE Exchange at <a href="https://eere-Exchange.energy.gov">https://eere-Exchange.energy.gov</a> , DOE's online application portal. DOE will <u>not</u> review or consider applications submitted through other means. The EERE Exchange User Guide for Applicants is found at <a href="https://eere-Exchange.energy.gov/Manuals.aspx">https://eere-Exchange.energy.gov/Manuals.aspx</a> .
<b>Application Forms</b>	Required forms and templates are available under the FOA (Required Application Documents) on EERE Exchange at <a href="https://eere-Exchange.energy.gov/">https://eere-Exchange.energy.gov/</a> .
<b>Applicant Notification</b>	DOE will notify <u>all</u> Applicants of its eligibility and/or selection determinations. The selection notification letter will inform the Applicant if its application was selected for award negotiations, or not. Alternatively, DOE may notify one or more Applicants that a final selection determination on particular applications may be made at a later date, subject to the availability of funds or other factors. Written feedback on all eligible applications will also be provided at the time of notification. Ineligible applications will not be reviewed or considered for award negotiations. If determined ineligible, the Contracting Officer will send a notification letter by email to the technical and administrative points of contact designated by the Applicant in EERE Exchange. The notification letter will state the basis upon which the application is ineligible and not considered for further review.

# Requirements for Office of Indian Energy FOAs

The requirements included on pages 3 and 4 of the FOA are not all inclusive and cannot exclusively be relied upon as they do not reflect all evaluation factors and requirements for this FOA. **Applicants must read the entire FOA to determine the complete set of requirements under this FOA.**

- Pre-award Costs
- Registration Requirements
- Eligibility Statements and Evidence
- Statements of Commitment and Cost Sharing
- Letters of Support
- Post Award Payment
- Post Award Reporting Requirements
- Equipment Title and Vested Interest
- Cost Share



# Required Application Components

- Applications must include:

• Application for Federal Assistance Form SF-424

• Summary/Abstract for Public Release

• Summary Slide

• Technical Volume - 15 page limit

• Workplan - 5 page limit, excluding the Milestone Table

• Project Metrics Data File

• Options Analysis

• Studies and Plans

• Eligibility Statements and Evidence

• Statements of Commitment and Cost Sharing File

• Resumes File

# Content and Form of Applications

- Continued:

- Budget Justification Workbook IE 335

- Subrecipient Budget Justification Workbook IE 335, if applicable

- Budget Support

- Financial Audit

- Site and Resources Maps and Graphics File

- Design and Engineering File

- Economics File

- Subcontract Plan File

- Registration Certifications

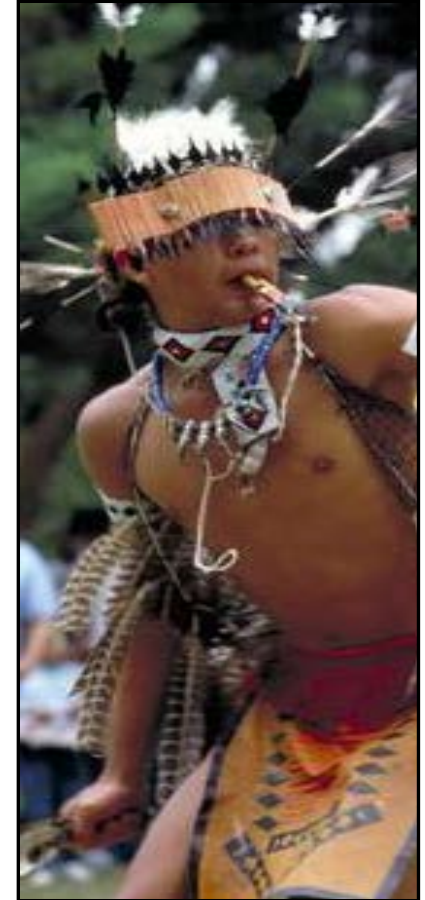
- SF-LLL: Disclosure of Lobbying Activities

- Waiver Request: Performance of Work in the United States, if applicable

# FOA Description

This Funding Opportunity Announcement (or FOA) builds on efforts by DOE to accelerate the deployment of energy infrastructure on Tribal Lands.

Between 2010 and 2019, the DOE Office of Indian Energy invested nearly \$85 million in more than 180 tribal energy projects implemented across the contiguous 48 states and Alaska. These projects, valued at over \$180 million, are leveraged by over \$95 million in recipient cost share.



# 2020 Funding Opportunity

This FOA is consistent with the principles of tribal sovereignty and self-determination, and with an all-of-the-above energy strategy that recognizes the breadth of energy resources on Tribal Lands, and each Tribe's right to use them as they see fit. Projects sought under this FOA are **fuel and technology neutral**.

Specifically, DOE's Office of Indian Energy is soliciting applications from **Indian Tribes, which include Alaska Native Regional Corporations and Village Corporations, Intertribal Organizations, and Tribal Energy Development Organizations**.

Applications may also be submitted on behalf of Indian Tribe(s) by an authorized Tribal Organization, provided evidence of that authority is supplied as part of the application.





# 2020 Funding Opportunity – Topic Areas

## ENERGY INFRASTRUCTURE DEPLOYMENT ON TRIBAL LANDS - 2020

### Funding Opportunity Announcement (FOA)

Number: DE-FOA-0002168

FOA Type: 0000

CFDA Number: 81.087

- 1) Install energy generating system(s) and/or energy efficiency measure(s) for Tribal Building(s) (Topic Area 1); or,
- 2) Deploy community-scale energy generating system(s) or energy storage on Tribal Lands (Topic Area 2); or,
- 3) Install integrated energy system(s) for autonomous operation (independent of the traditional centralized electric power grid) to power a single or multiple essential tribal facilities during emergency situations or for tribal community resilience (Topic Area 3); or,
- 4) Deploy energy infrastructure or integrated energy system(s) to electrify Tribal Buildings (Topic Area 4).

# 2020 Funding Opportunity – Topic Areas

## Topic Area Requirements

The requirements below are not all inclusive and cannot exclusively be relied upon as they do not reflect all of the requirements for each Topic Area. Applicants must read the entire FOA to determine the complete requirements for each Topic Area. See a more detailed description of each Topic Area under Section I.B. and definitions in Appendix A.

Topic Area	Title	Building-Scale	Community-Scale	Grid-Connected	Not Grid-Connected	Options Analysis	Feasibility Study	Energy Audits/Assessments	Energy Generating	Energy Efficiency	Energy Storage System(s)*	Integrated Energy Systems	Energy Infrastructure	Tribal Building(s)	Essential Tribal Facility(s)	100kW or 100kWh	Verification (12-months)	Commercially-Proven Warranted**
1.a.	Energy Generating System(s)	X		X		X	X		X					X			X	X
1.b.	Multiple Energy Efficiency Measures	X		X	X	X		X		X				X			X	X
1.c.	Energy Generating System(s) and Energy Efficiency Measure(s)	X		X		X	X	X	X	X				X			X	X
2.a.	Community-Scale Energy Generating System(s)		X	X		X	X		X							X	X	X
2.b.	Community Energy Storage		X	X		X	X				X					X	X	X
3.a.	Powering Essential Tribal Facility(s)	X		X	X	X	X				X	X			X		X	X
3.b.	Tribal Community Resilience		X	X	X	X	X				X	X			X		X	X
4	Electrification of Tribal Buildings		X		X	X	X				X	X	X	X			X	X

\* As storage is a component of integrated energy system(s), storage is marked for those Topic Areas under which integrated energy system(s) are eligible.

\*\* Commercially-proven warranted applies to all proposed technology.

# 2020 Funding Opportunity – Topic Areas

- **“Grid-connected”**, for purposes of this FOA, means connected to the traditional centralized electric power grid.
- **“Traditional centralized electric power grid”** refers to the main power grids in the continental United States: (1) the Eastern Interconnected System (Eastern Interconnect); (2) the Western Interconnected System (Western Interconnect); and (3) the Texas Interconnected System (Texas Interconnect); as well as (4) the interconnected grid system in Alaska that connects Anchorage, Fairbanks, and the Kenai Peninsula.



# 2020 Funding Opportunity – Topic Areas

- “**Unelectrified**” for purposes of this FOA, means Tribal Buildings not connected to (1) the traditional centralized electric power grid **or** (2) an integrated energy system(s) operating independent of the traditional centralized electric power grid.





# FOA Description – Topic Area 1

Under Topic Area 1 (**Energy Generating system(s) and/or Energy Efficiency Measure(s)**), DOE is soliciting applications for the deployment of energy generating system(s) and/or energy efficiency measures for Tribal Building(s), and may include:

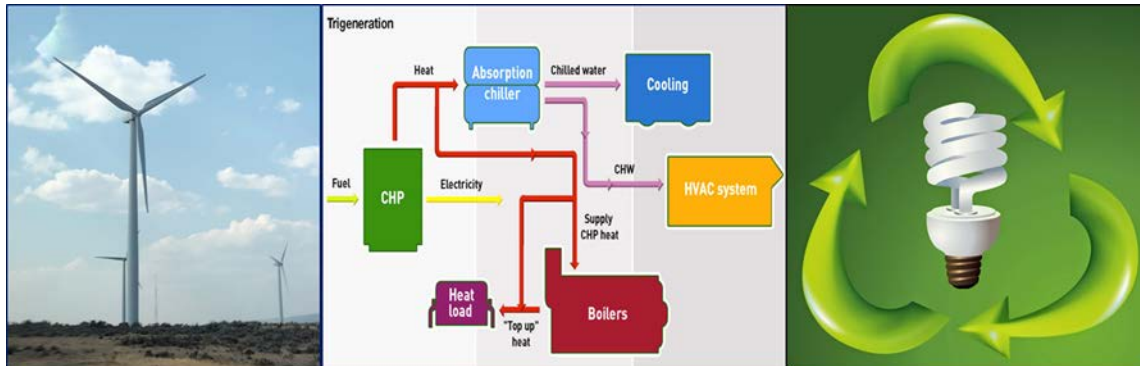
- a) Energy Generating System(s) (Topic Area 1.a.),
- b) Multiple Energy Efficiency Measures (Topic Area 1.b.), or
- c) Energy Generating System(s) and Energy Efficiency Measure(s) (Topic Area 1.c.)

Note that projects to be proposed under Topic Area 1.a. and Topic Area 1.c. are intended solely for energy generating system(s) that are grid-connected. Projects proposed under Topic Area 1.b. can be proposed for Tribal Buildings that are either grid-connected, or not grid-connected.

# FOA Description – Topic Area 1

## Topic Area 1 (Energy Generating system(s) and/or Energy Efficiency Measure(s))

- “**Energy generating system(s)**” for purposes of this FOA include:
  - (1) combined heat and power system(s),
  - (2) conventional distributed generation system(s) and
  - (3) renewable energy system(s)
- “**Energy Efficiency Measure (EEM),**” for purposes of this FOA, means the implementation of a
  - (1) building efficiency measure, or an
  - (2) industrial process efficiency measure.





# FOA Description – Topic Area 1

## Topic Area 1 (Energy Generating system(s) and/or Energy Efficiency Measure(s))

All proposed installations must be for either:

- Existing **“Tribally-owned or controlled building(s)”**; or
- **“Tribally-owned or controlled building(s)”** that are currently being constructed or planned to be constructed during the proposed grant period.



# FOA Description – Topic Area 1

## Topic Area 1 (Energy Generating system(s) and/or Energy Efficiency Measure(s))

- For purposes of this FOA, “**Tribal Building(s)**” may include a single or multiple “Tribally-owned or controlled building(s)” located on Tribal Lands.



# FOA Description – Topic Area 1

## Topic Area 1 (Energy Generating system(s) and/or Energy Efficiency Measure(s))

- Where “**Tribally-owned or controlled building(s)**,” for purposes of this FOA, is a building or buildings where the eligible entity has the authority to augment or modify the building and where the building is either owned by the eligible entity or tribal members, or the eligible entity has a long-term lease (as a minimum, for the useful life of the proposed project).
- “**Tribal Building(s)**” may include, but are not limited to, tribal member homes, schools, community buildings, clinics/hospitals, tribal government buildings, fire stations, police stations, radio stations, washaterias, utility facilities (such as water/waste water systems), tribal casinos, or tribal businesses.

# FOA Description – Topic Area 1.a.

To be eligible under Topic Area 1.a. (**Energy Generating System(s)**), applications **must**:

- (1) Provide an Options Analysis to demonstrate that other options were considered and that the proposed energy generating system(s) best meets the overall tribal objectives;
- (2) Be based on a feasibility study that identifies the need and demonstrates the availability of the resource and the technical and economic viability of the proposed energy generating system(s) and the feasibility study must be provided as part of the application;
- (3) Include an estimate of the *energy displaced* annually (amount, cost, and percentage) through the proposed energy generating system(s) based on the actual energy used for existing buildings and projected savings for buildings currently being constructed or planned to be constructed during the proposed grant period; and
- (4) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).

# FOA Description – Topic Area 1.b.

To be eligible under Topic Area 1.b. (**Multiple Energy Efficiency Measures**), applications must:

- (1) Provide an Options Analysis to demonstrate that other options were considered and that the proposed energy efficiency measures best meets the overall tribal objectives;
- (2) Be based on energy audit(s) or industrial energy assessment(s) that demonstrate the technical and economic viability of the proposed EEMs and those energy audits or industrial energy assessments must be provided as part of the application;
- (3) Include an estimate of the energy saved annually (amount, cost, and percentage) through the proposed EEMs based on the actual energy used for existing buildings and projected savings for buildings currently being constructed or planned to be constructed during the proposed grant period; and
- (4) Use commercially-proven warranted technology (see the definition of “commercially-proven” and “warranted” under Appendix A).

# FOA Description – Topic Area 1.c.

To be eligible under Topic Area 1.c. ((c) **Energy Generation System(s) and Energy Efficiency Measure(s)**), applications must:

- (1) Provide an Options Analysis to demonstrate that other options were considered and that the proposed energy generating system(s) and EEM(s) best meet the overall tribal objectives;
- (2) Be based on energy audit(s) or industrial energy assessment(s) that demonstrate the technical and economic viability of the proposed EEM(s) and those energy audits or industrial energy assessments must be provided as part of the application; and
- (3) Be based on a feasibility study that identifies the need and demonstrates the availability of the resource and the technical and economic viability of the proposed energy generating system(s) and the feasibility study must be provided as part of the application.
- (4) Include an estimate of the energy saved and displaced annually (amount, cost, and percentage) through the proposed EEM(s) and energy generating system(s) based on the actual energy used for existing buildings and projected savings for buildings currently being constructed or planned to be constructed during the proposed grant period; and
- (5) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).



## FOA Description – Topic Area 2

Under Topic Area 2 (**Community-Scale Energy Generating System(s) or Community Energy Storage Deployment**), DOE is seeking applications for the deployment of community-scale energy generating system(s) or community energy storage on Tribal Lands affecting a “substantial” number of buildings or to an entire tribal community.

- Community-Scale Energy Generating System(s) (Topic Area 2.a.)
- Community Energy Storage (Topic Area 2.b.)



# FOA Description – Topic Area 2

## Topic Area 2 (Community-Scale Energy Generating System(s) or Community Energy Storage Deployment)

- For purposes of this Topic Area, a “**community-scale project**” means a project serving a substantial number of the total buildings within a community (no less than three (3) buildings) and providing a substantial percentage of the total community energy load (minimum of 100 kilowatt (kW) or Btu equivalent).



## FOA Description – Topic Area 2

### Topic Area 2 (Community-Scale Energy Generating System(s) or Community Energy Storage Deployment)

- For purposes of this FOA, “**substantial**” means of “ample or considerable amount”. See Appendix A for definition of community.

Note that as part of the Technical Volume, an explanation and rationale as to how the proposed project meets the community-scale requirement, specifically addressing the “substantial” element, is required (see Section IV.C.4).



# FOA Description – Topic Area 2

## Topic Area 2 (Community-Scale Energy Generating System(s) or Community Energy Storage Deployment)

- All proposed projects (or buildings on which systems are proposed)
  - Must be on Tribal Lands,
  - Must be “owned or controlled” by the eligible entity, and
  - Must benefit the eligible entity (Indian tribe, Intertribal Organization, or Tribal Energy Development Organization) **and** the tribal community;
- However, the substantial number of buildings within a tribal community (no less than three (3) buildings), where the energy or heat is to be used, do not need to be “owned or controlled” by the eligible entity.



## FOA Description – Topic Area 2.a.

Under Topic Area 2.a. (**Community-Scale Energy Generating System(s)**), DOE is seeking applications for the deployment of community-scale energy generating system(s) to provide electricity and/or heating or cooling to a substantial number of buildings or to an entire community.

- Under Topic Area 2.a., either a single energy generating system or multiple energy generating systems may be proposed.
- The **minimum system size (100 kW rated capacity or BTU equivalent)** may be for either a single individual energy generating system **or** the aggregate of multiple energy generating systems.



## FOA Description – Topic Area 2.a.

To be eligible under Topic Area 2.a. (**Community-Scale Energy Generating System(s)**), applications **must**:

- (1) Provide an Options Analysis to demonstrate that other options were considered and that the proposed energy generating system(s) best meets the overall tribal objectives;
- (2) Be based on a feasibility study that identifies the need and demonstrates the availability of the resource and the technical and economic viability of the proposed energy generating system(s) and the feasibility study must be provided as part of the application;
- (3) Include an estimate of the energy generated annually (amount, cost, and percentage) for the tribal community through the proposed energy generating system(s);
- (4) Be a minimum of 100 kW rated capacity (or for heating or cooling the Btu equivalent of 170,607 Btu/hr.);
- (5) Affect a substantial number of buildings within a tribal community (no less than three (3) buildings); and
- (6) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).



## FOA Description – Topic Area 2.a.

### Topic Area 2.a. (Community-Scale Energy Generating System(s))

- Applications under Topic Area 2.a. must demonstrate the availability of the conventional fuel supply or the renewable energy resource for the life of the project, and applications proposing geothermal or biomass systems must also demonstrate the sustainability of the resource.
- Applications for commercial or utility-scale projects intended solely for revenue generation through the export of electricity off Tribal Lands for commercial sale are not of interest under this FOA. On the condition that the proposed energy generating system(s) meets the requirements under Topic Area 2.a., a portion of the electricity may be sold, provided that the revenue benefits the eligible entity **and** the tribal community.

## FOA Description – Topic Area 2.b.

Under Topic Area 2.b. (**Community Energy Storage**), DOE is seeking applications for the deployment of community energy storage system(s) that affect a substantial number of buildings or an entire community.

For purposes of this FOA, community energy storage is intended to:

- Provide backup power during outages, increase electric distribution system reliability (e.g., reducing the frequency of both momentary and sustained outages, reducing the duration of outages, and reducing the operations and maintenance costs associated with outage management), **or**
- Provide energy time shifting (e.g., storing power when it is least expensive and using the stored power during peak demand when prices are highest).

# FOA Description – Topic Area 2.b.

## Topic Area 2.b. (Community Energy Storage)

- Under Topic Area 2.b. community storage systems are not intended to be combined with an energy generating system(s).
- Under Topic Area 2.b., either a single energy storage system or multiple energy storage systems may be proposed.
- The minimum system size (100 kWh rated capacity) may be for either a single individual energy storage system **or** the aggregate of multiple energy storage systems.



## FOA Description – Topic Area 2.b.

### Topic Area 2.b. (Community Energy Storage)

- “**Energy storage system(s)**” for purposes of this FOA, include, but are not limited to, batteries, pumped hydropower, flywheels, compressed air energy storage, or thermal energy storage systems.



## FOA Description – Topic Area 2.b.

To be eligible under Topic Area 2.b. (**Community Energy Storage**), applications must:

- (1) Provide an Options Analysis to demonstrate that other options were considered and that the proposed community energy storage system(s) best meets the overall tribal objectives;
- (2) Be based on a feasibility study that identifies the need and demonstrates the technical and economic viability of the proposed community energy storage system(s) and the feasibility study must be provided as part of the application;
- (3) Include an estimate of the number of power outages mitigated, improvement in electric distribution reliability indices, or energy time shifting cost savings for the tribal community by the proposed community energy storage system(s);
- (4) Be a minimum of 100 kWh rated capacity;
- (5) Affects a substantial number of buildings within a tribal community (no less than three (3) buildings); and
- (6) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).

## FOA Description – Topic Area 3

Under Topic Area 3 (**Integrated Energy System(s) for Autonomous Operation**), DOE is soliciting applications to install energy system(s) for autonomous operation to power:

- a single or multiple essential tribal facilities during emergency situations (Topic Area 3.a.) or to power
- a substantial number of essential tribal facilities for tribal community resilience (Topic Area 3.b.).





# FOA Description – Topic Area 3

## Topic Area 3 (Integrated Energy System(s) for Autonomous Operation)

- Projects to be proposed under Topic Area 3 can be for either:
  - (1) integrated energy system(s) that are **normally grid-connected**, but can disconnect and function autonomously (independent of the traditional centralized electric power grid), **or**
  - (2) integrated energy system(s) that normally operate autonomously (**not connected to the traditional centralized electric power grid**).

# FOA Description – Topic Area 3

## Topic Area 3 (Integrated Energy System(s) for Autonomous Operation)

- “**Essential tribal facilities**” for purposes for this FOA, are those facilities necessary for providing essential services, where “**essential services**” for purposes of this FOA means services, that if interrupted, would endanger the life, health or personal safety of the whole or part of the tribal community.



# FOA Description – Topic Area 3

## Topic Area 3 (Integrated Energy System(s) for Autonomous Operation)

- Such **essential services** include, but are not limited to, emergency facilities or shelters, hospitals or medical services, fire services, police services, water/wastewater, sewage, communications, electricity, natural gas, telecommunications (including telephone, radio or television broadcasting, internet connectivity, and broadband speeds), and transportation.



# FOA Description – Topic Area 3

## Topic Area 3 (Integrated Energy System(s) for Autonomous Operation)

Eligible “integrated energy system(s)” under Topic Area 3 must, as a minimum, provide power for essential tribal facilities and must, as a minimum, include, (1) energy generating system(s) and (2) controls and management system(s), and may include (3) energy storage system(s).



# FOA Description – Topic Area 3

## Topic Area 3 (Integrated Energy System(s) for Autonomous Operation)

- Although integrated energy system(s) must include as a minimum an
  - energy generating system(s) and
  - controls and management system(s) and
  - may include energy storage system(s),
- Some components may already exist and therefore, not all of the components need be proposed for DOE funding;
- However, the integrated energy system(s) as a whole must meet the requirements under Topic Area 3.

# FOA Description – Topic Area 3

## Topic Area 3 (Integrated Energy System(s) for Autonomous Operation)

- (1) “**Energy generating system(s)**” for purposes of this FOA include: (1) combined heat and power system(s), (2) conventional distributed generation system(s) and (3) renewable energy system(s). See definitions under Appendix A.
- (2) “**Energy storage system(s)**” for purposes of this FOA, include, but are not limited to, batteries, pumped hydropower, flywheels, compressed air energy storage, or thermal energy storage systems.
- (3) “**Controls and management system(s)**” for purposes of this FOA include, but are not limited to, supervisory control and data acquisition (SCADA) systems, power and frequency controllers, voltage regulators, power protection systems.



## FOA Description – Topic Area 3.a.

Under Topic Area 3.a. (**Powering Essential Tribal Facilities**), DOE is soliciting applications to install integrated energy system(s) for autonomous operation (independent of the traditional centralized electric power grid) to power a single **or** multiple essential tribal facilities during emergency situations.

- For purposes of this FOA, “**emergency**” means a situation that poses an immediate risk to health, life, property, or environment and requires urgent intervention to prevent a worsening of the situation.

## FOA Description – Topic Area 3.a.

To be eligible under Topic Area 3.a. (**Powering Essential Tribal Facilities**), applications must:

- (1) Provide an Options Analysis that demonstrates that other options were considered and that the proposed integrated energy system(s) best meets the overall tribal objectives;
- (2) Be based on a feasibility study that clearly identifies the need and demonstrates the technical and economic viability of the proposed integrated energy system(s) and the feasibility study must be provided as part of the application;
- (3) Include an estimate of the number, frequency and duration of emergency situations to be addressed with the proposed integrated energy system(s);
- (4) Demonstrate the ability of the proposed integrated energy system(s) to function autonomously (independent of the traditional centralized electric power grid) during emergency situations; and
- (5) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).

## FOA Description – Topic Area 3.b.

Under Topic Area 3.b. (**Tribal Community Resilience**), DOE is soliciting applications to install integrated energy system(s) for autonomous operation (independent of the traditional centralized electric power grid) to power a “substantial” number of essential tribal facilities (no less than three (3) facilities) for tribal community resilience.

- “**Resilience**” for purposes of this FOA, means the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from energy disruptions through adaptable and holistic planning and technical solutions. Additionally, the proposed integrated energy system(s) should increase the reliability of the existing system and make that system more robust.



# FOA Description – Topic Area 3.b.

## Topic Area 3.b. (Tribal Community Resilience)

- For purposes of Topic Area 3, “**community-scale**” means serving a substantial number of “essential tribal facilities” (no less than three (3) essential tribal facilities) within a tribal community or the entire tribal community.



## FOA Description – Topic Area 3.b.

To be eligible under Topic Area 3.b. (**Tribal Community Resilience**), applications **must**:

- (1) Provide an Options Analysis that demonstrates that other options were considered and that the proposed integrated energy system(s) best meets the overall tribal objectives;
- (2) Be based on a feasibility study that clearly identifies the need and demonstrates the technical and economic viability of the proposed integrated energy system(s) and the feasibility study must be provided as part of the application;
- (3) Include an estimate of the number, frequency and duration of adverse situations and energy generated annually (amount, cost, and percentage) for the tribal community by the proposed integrated energy system(s);
- (4) Affects a substantial number of essential tribal facilities (no less than three (3) essential tribal facilities) within a tribal community;
- (5) Demonstrate the ability of the proposed integrated energy system(s) to function autonomously (independent of the traditional centralized electric power grid); and
- (6) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).

## FOA Description – Topic Area 4

Under Topic Area 4 (**Electrification of Tribal Buildings**), DOE is seeking applications for the deployment of energy infrastructure to electrify Tribal Buildings.

- Topic Area 4 is intended for the deployment of energy infrastructure or integrated energy system(s) to provide electricity to a “**substantial**” number of Tribal Buildings (no less than three (3) Tribal Buildings) which otherwise would be unelectrified.





# FOA Description – Topic Area 4

## Under Topic Area 4 (Electrification of Tribal Buildings)

- “**Electrification**” for purposes of this FOA, means the process of providing electricity to unelectrified Tribal Buildings by
  - (1) deploying energy infrastructure to connect Tribal Buildings to the traditional centralized electric power grid; or
  - (2) deploying integrated energy system(s) to operate independent of the traditional centralized electric power grid.
- “**Electrify**” for purposes of this FOA, means the act of electrification.
- “**Unelectrified**” for purposes of this FOA, means Tribal Buildings **not** connected to
  - (1) the traditional centralized electric power grid or
  - (2) an integrated energy system(s) operating independent of the traditional centralized electric power grid.

# FOA Description – Topic Area 4

## Under Topic Area 4 (Electrification of Tribal Buildings)

- “**Energy Infrastructure**” for purposes of this FOA, means electric power distribution technologies to transport electricity from the transmission system to individual consumers and may include, but is not limited to, distribution substations, circuits, circuit breakers, switchgear, busbars, distribution lines, distribution transformers, capacitors, voltage regulators, meters, and utility poles.



# FOA Description – Topic Area 3

## Under Topic Area 4 (Electrification of Tribal Buildings)

- Eligible “**integrated energy system(s)**” under Topic Area 4 must, as a minimum, provide power for unelectrified Tribal Buildings and must, as a minimum, include
  - energy generating system(s) and
  - controls and management system(s) and may include
  - energy storage system(s),



## FOA Description – Topic Area 4

### Under Topic Area 4 (Electrification of Tribal Buildings)

- Although integrated energy system(s) must include as a minimum an
  - energy generating system(s) and
  - controls and management system(s) and may include
  - energy storage system(s),
- Some components may already exist and therefore, not all of the components need be proposed for DOE funding;
- However, the integrated energy system(s) as a whole must meet the requirements under Topic Area 4.

## FOA Description – Topic Area 4

To be eligible under Topic Area 4 (**Electrification of Tribal Buildings**), applications **must**:

- (1) Provide an Options Analysis to demonstrate that other options were considered and that the proposed energy generating system(s) best meets the overall tribal objectives;
- (2) Be based on a feasibility study that demonstrates the technical and economic viability of the proposed energy infrastructure or integrated energy system(s) and the feasibility study must be provided as part of the application;
- (3) Include an estimate of the amount of energy needed annually (amount, cost, and percentage) to electrify the selected Tribal Buildings;
- (4) Affect a substantial number of Tribal Buildings (no less than three (3) buildings);
- (5) If an integrated energy system(s) is being proposed, demonstrate the ability of the proposed integrated energy system(s) to function autonomously (independent of the traditional centralized electric power grid); and
- (6) Use commercially-proven warrantied technology (see the definition of “commercially-proven” and “warrantied” under Appendix A).

# 2020 Funding Opportunity – Topic Areas

## Topic Area Requirements

The requirements below are not all inclusive and cannot exclusively be relied upon as they do not reflect all of the requirements for each Topic Area. Applicants must read the entire FOA to determine the complete requirements for each Topic Area. See a more detailed description of each Topic Area under Section I.B. and definitions in Appendix A.

Topic Area	Title	Building-Scale	Community-Scale	Grid-Connected	Not Grid-Connected	Options Analysis	Feasibility Study	Energy Audits/Assessments	Energy Generating	Energy Efficiency	Energy Storage System(s)*	Integrated Energy Systems	Energy Infrastructure	Tribal Building(s)	Essential Tribal Facility(s)	100kW or 100kWh	Verification (12-months)	Commercially-Proven Warranted**
1.a.	Energy Generating System(s)	X		X		X	X		X					X			X	X
1.b.	Multiple Energy Efficiency Measures	X		X	X	X		X		X				X			X	X
1.c.	Energy Generating System(s) and Energy Efficiency Measure(s)	X		X		X	X	X	X	X				X			X	X
2.a.	Community-Scale Energy Generating System(s)		X	X		X	X		X							X	X	X
2.b.	Community Energy Storage		X	X		X	X				X					X	X	X
3.a.	Powering Essential Tribal Facility(s)	X		X	X	X	X				X	X			X		X	X
3.b.	Tribal Community Resilience		X	X	X	X	X				X	X			X		X	X
4	Electrification of Tribal Buildings		X		X	X	X				X	X	X	X			X	X

\* As storage is a component of integrated energy system(s), storage is marked for those Topic Areas under which integrated energy system(s) are eligible.

\*\* Commercially-proven warranted applies to all proposed technology.



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# Applications Specifically Not of Interest

The following types of applications will be deemed nonresponsive and will not be reviewed or considered (See Section III.D. of the FOA):

- Applications that fall outside the technical parameters specified in Section I.B. of the FOA.
- Applications proposing studies, design and engineering (excluding final design and engineering), or development (pre-construction) activities; or any other activity which does not directly result in the installation of equipment to generate electricity and/or heating or cooling, reduce energy use, or enhance energy storage and delivery infrastructure.
- Applications proposing the evaluation of product marketing opportunities, assessment of manufacturing opportunities, research, design and engineering (excluding final design and engineering), product development, or the construction of manufacturing facilities or buildings.

# Applications Specifically Not of Interest

- Applications proposing the construction of a building(s) or structure(s) such as carports. Only the incremental costs associated with the installation of energy generating system(s), integrated energy system(s), or energy efficiency measures will be considered allocable to the proposed DOE funded project and not the cost of constructing the building(s) or structure(s), unless those structures are integral to the proposed project.
- Any application where the Applicant has already taken irreversible actions regarding the proposed DOE funded project, where the proposed DOE funded project consists of only the installation of energy generating system(s), integrated energy system(s), community energy storage, energy infrastructure and/or the installation and energy efficiency measures, including irreversible actions related to the construction of a building(s) or structure(s) (such as a carport), if the building(s) or structure(s) are being built specifically to enable the DOE funded project. Irreversible actions relative to the proposed DOE funded project may include, but are not limited to, site clearing, ground breaking, equipment or system purchase or installation, building renovation, and building retrofits.

# Applications Specifically Not of Interest

- Applications proposing “energy conservation,” where “energy conservation,” for purposes of this FOA, means decreasing energy consumption by using less of an energy service or going without an energy service to save energy. Energy conservation typically involves a behavioral change and may include meters or other indicators to induce that behavioral change.
- Applications for commercial or utility-scale projects intended solely for revenue generation through the export of electricity off Tribal Lands for commercial sale.
- Applications proposing the use of materials, supplies, or equipment which are not commercially-proven and warrantied.

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# Award Information

<b>Total Amount to be Awarded</b>	Approximately \$3.5 million to \$15 million in federal funds. The actual level of funding will depend on Congressional appropriations. DOE anticipates making approximately 5 to 15 awards under this FOA. DOE may issue awards in one, multiple, or none of the Topic Areas.
<b>Period of Performance</b>	DOE anticipates making awards with period of performances of approximately one (1) to two (2) years, but <u>no</u> longer than three (3) years including the mandatory 12 month verification period.
<b>Award Amount (Minimum and Maximum)</b>	DOE funding per individual award range from no less than \$50,000 to maximum of \$1,000,000 for Topic Area 1, from no less than \$250,000 to a maximum of \$2,000,000 for Topic Area 2, from no less than \$50,000 to a maximum of \$1,000,000 for Topic Area 3.a., no less than \$250,000 to a maximum of \$2,000,000 for Topic Area 3.b, and no less than \$250,000 to a maximum of \$2,000,000 for Topic Area 4



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# Eligibility Information

## Who's Eligible to Apply?

- All Applicants will be **required** to provide eligibility statements and evidence (see Section IV.C.9.) to support DOE's eligibility determination.
- **DOE will not make sufficiency determinations prior to an application being submitted.** Applicants that do not meet the eligibility requirements under Section III.A. of the FOA will be deemed ineligible and their applications will not be reviewed or considered.
- In accordance with EAct 2005 authorities and consistent with 2 CFR 910.126(b), eligibility for award under this Funding Opportunity Announcement is restricted to: (1) an **Indian Tribe**; (2) **Intertribal Organization**; or (3) **Tribal Energy Development Organization**; and (4) on whose **Tribal Lands** the project(s) will be located.

# Eligibility Information

- 1) “Indian Tribe,” for purposes of this FOA, means any Indian tribe, band, nation or other organized group or community (including Alaska Native villages) that is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians (see below for further definition), and any Alaska Native Regional Corporation or Village Corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act (85 Stat. 688) [43 U.S.C. §§ 1601 et seq.].

For purposes of this FOA, an eligible Indian tribe, band, nation or other organized group or community (including Alaska Native villages), must be federally recognized as listed in *Indian Entities Recognized and Eligible to Receive Services from the United States Bureau of Indian Affairs*, published by the Department of Interior’s Bureau of Indian Affairs in the Federal Register on [February 1, 2019, 84 FR 22](#).

## Eligibility Information

2) **“Intertribal Organization,”** as defined for purposes of this FOA, means any organization comprised of *two or more* Indian Tribes, established under Congressional, State, or Tribal law to act on behalf of the participating Indian Tribes.

**“Intertribal Organizations”** may include, but are not limited to, intertribal councils, regional tribal organizations or associations, Alaska regional development organizations, and tribal federations.

# Eligibility Information

3) **“Tribal Energy Development Organization,”** for purposes of this FOA, means:

- a) any enterprise, partnership, consortium, corporation, or other type of business organization that is engaged in the development of energy resources and is wholly owned by an Indian tribe (including an organization incorporated pursuant to section 17 of the Act of June 18, 1934 (25 U.S.C. 5124) (commonly known as the “Indian Reorganization Act”) or section 3 of the Act of June 26, 1936 (49 Stat. 1967, chapter 831) (commonly known as the ‘Oklahoma Indian Welfare Act’)); and
- b) any **“organization”** of two or more entities, at least one of which is an Indian tribe, that has the written consent of the governing bodies of all Indian tribes participating in the organization to apply for a grant, loan, or other assistance under 2602 of EPAAct (25 U.S.C. 3502) or to enter into a lease or business agreement with, or acquire a right-of-way from, an Indian tribe pursuant to subsection (a)(2)(A)(ii) or (b)(2)(B) of 2604 of EPAAct (25 U.S.C. 3504), where **“organization”** means a partnership, joint venture, Limited Liability Company (LLC) or other unincorporated association or entity that is established to develop Indian energy resources.

# Eligibility Information

To be eligible, proposed project(s) must also be Tribal Lands.

**“Tribal Lands,”** for purposes of this FOA, is defined as:

- (a) **“Indian land”**;
- (b) **lands held in fee simple** (purchased or owned) by an Indian Tribe, Intertribal Organization, Tribal Energy Development Organization, or other eligible Applicant;
- (c) **lands held under a long-term land lease** (as a minimum, for the useful life of the proposed project) by an Indian Tribe, Tribal Energy Development Organization, or other eligible Applicant; and
- (d) **land that was conveyed to a Native Corporation pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. § 1601 et seq.) and subsequently conveyed to another entity**, provided that entity is either a Native village or Tribal governmental entity or the land is held, invested, managed for and on behalf of a Native village or Tribal governmental entity.



## Eligibility Information

**“Indian land,”** for purposes of this FOA, means –

- (a) any land which is located within the boundaries of an “Indian reservation”, pueblo, or rancheria:
- (b) any land not located within the boundaries of an Indian reservation, pueblo or rancheria, the title to which is held –
  - (i) in trust by the United States for the benefit of an Indian Tribe or an individual Indian;
  - (ii) by an Indian Tribe or an individual Indian, subject to restriction against alienation under laws of the United States; or
  - (iii) by a dependent Indian community; and
  - (iv) land that is owned by an Indian Tribe and was conveyed by the United States to a Native Corporation pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. § 1601 et seq.), or that was conveyed by the United States to a Native Corporation in exchange for such land.

## Eligibility Information

For purposes of this FOA and as defined under Part 503 of EAct 2005, the term “**Indian reservation**” includes an Indian reservation in existence in any State or States as of the date of enactment of Title V of EAct 2005; a public domain Indian allotment; and a dependent Indian community located within the borders of the United States, regardless of whether the community is located on original or acquired territory of the community; or within or outside the boundaries of any State or States.

## QUESTIONS REGARDING ELIGIBILITY

DOE will not make eligibility determinations for potential Applicants prior to the date on which applications to this FOA must be submitted. The decision of whether to submit an application in response to this FOA lies solely with the Applicant.



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# Cost Sharing Requirements

- Under this Funding Opportunity Announcement, required **cost share must be at least 50% of the total allowable costs of the project** (i.e., the sum of the DOE share, and the Recipient share of allowable costs equals the total allowable cost of the project).



# Cost Sharing Requirements

- All cost share must come from non-Federal sources unless otherwise allowed by law. See 2 CFR 200.306 and 2 CFR 910.130 for the applicable cost sharing requirements.
- Except for pre-award costs with prior DOE approval, only cost share contributions made **during the period of performance** of the grant, if awarded, can be considered. Costs incurred prior to award selection cannot be considered as cost share or for reimbursement by DOE.



# Cost Sharing Requirements - Continued

All cost share must come from non-Federal sources **unless otherwise allowed by law**. See 2 CFR 200.306 and 2 CFR 910.130 for the applicable cost sharing requirements.

## NOTE:

- Per the Indian Self-Determination Act (Public Law 93-638) as codified and amended, funding under the **Indian Self-Determination Act** may be used as non-Federal cost share by Indian Tribes on Federal grants.
- For **Tribal self-governance funding agreements**, see 25 U.S.C. Section 458cc(j), *Funds*, “All funds provided under funding agreements entered into pursuant to this subchapter, and all funds provided under contracts or grants made pursuant to this subchapter, shall be treated as non-Federal funds for purposes of meeting matching requirements under any other Federal law.”



# Cost Sharing Requirements - Continued

All cost share must come from non-Federal sources **unless otherwise allowed by law**. See 2 CFR 200.306 and 2 CFR 910.130 for the applicable cost sharing requirements.

## NOTE:

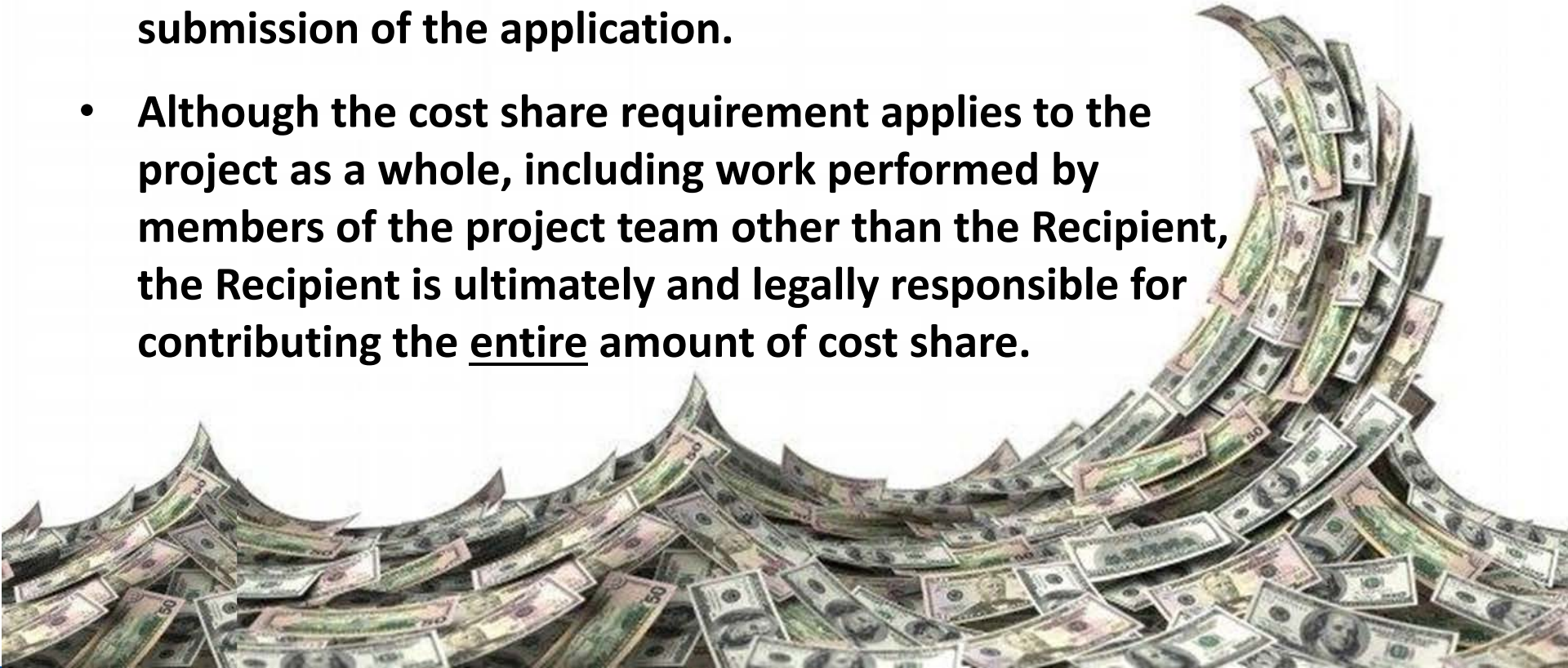
- For **self-determination contract funding**, see 25 U.S.C Section 450h(c), *Use as matching shares for other similar Federal grant programs*, “The provisions of any other Act notwithstanding, any funds made available to a tribal organization under grants pursuant to this section may be used as matching shares for any other Federal grant programs which contribute to the purposes for which grants under this section are made.”
- For **compact funding**, see 25 U.S.C. Section 450j-1(j), “Notwithstanding any other provision of law, a tribal organization may use funds provided under a self-determination contract to meet matching or cost participation requirements under other Federal and non-Federal programs.”
- Per the **Native American Housing Assistance and Self-Determination Act (NAHASDA)** of 1996 (25 U.S.C. 4101, et seq.) and its implementing regulation (24 CFR §1000.122): “There is no prohibition in NAHASDA against using grant funds as matching funds.”

# Cost Share Contributions

- Contributions must be:
  - Specified in the project budget
  - Verifiable from the Recipient's records
  - Necessary and reasonable for proper and efficient accomplishment of the project
- Every cost share contribution must be reviewed and approved in advance by the Contracting Officer and incorporated into the project budget before the expenditures are incurred.
- **As all sources of cost share are considered part of total project costs, the cost share dollars will be scrutinized under the same Federal regulations as Federal dollars to the project.**

# Cost Share Contributions

- Every cost share contribution must be allowable under the applicable federal cost principles, as described in Section IV.H.1 of the FOA.
- In addition, cost share must be verifiable at the time of submission of the application.
- Although the cost share requirement applies to the project as a whole, including work performed by members of the project team other than the Recipient, the Recipient is ultimately and legally responsible for contributing the entire amount of cost share.



# Allowable Cost Share

- Cost Share must be allowable and must be verifiable upon submission of the Application.
- Refer to the following applicable Federal cost principles:

Entity	Cost Principles
Educational Institutions	2 CFR Part 200 – Subpart E
State, Local, and Indian Tribal Governments	2 CFR Part 200 – Subpart E
Non-profit Organizations	2 CFR Part 200 – Subpart E
For-profit Organizations	FAR Part 31

# Allowable Cost Share

- **Cash Contributions**

May be provided by the Recipient, Subrecipients, or a Third Party

- **In-Kind Contributions**

Can include, but are not limited to:

- Contribution of time
- Unrecovered indirect costs
- Unrecovered facilities and administrative costs
- Rental value of buildings or equipment
- Value of a service, other resource, or third party in-kind contribution.





# Unallowable Cost Share

The Recipient may not use the following sources to meet its cost share obligations including, but not limited to:

- Revenues or royalties from the prospective operation of an activity beyond the project period;
- Proceeds from the prospective sale of an asset of an activity;
- Federal funding or property (e.g., Federal grants, equipment owned by the Federal Government);
- Any form of cost sharing received after the DOE grant period, including Renewable Energy Credits (RECs), other green attribute monetization funds;
- Except for pre-award costs with prior DOE approval, any costs incurred prior to award selection;

# Cost Share Payment

- Recipients must provide documentation of cost share contribution, incrementally over the life of the award.
- The cumulative cost share percentage provided on each invoice must reflect, at a minimum, the cost sharing percentage negotiated.
- In limited circumstances, and where it is in the government's interest, the DOE Contracting Officer may approve a request by the Recipient to meet its cost share requirements on a less frequent basis, such as monthly or quarterly. See Section III.B.6 of the FOA.



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# Content and Form of Applications

- Applications must include:

• Application for Federal Assistance Form SF-424

• Summary/Abstract for Public Release

• Summary Slide

• Technical Volume - 15 page limit

• Workplan - 5 page limit, excluding the milestone table

• Project Metrics Data File

• Options Analysis

• Studies and Plans

• Eligibility Statements and Evidence

• Statements of Commitment and Cost Sharing File

• Resumes File

# Content and Form of Applications

- Continued:

- Budget Justification Workbook IE 335

- Subrecipient Budget Justification Workbook IE 335, if applicable

- Budget Support

- Financial Audit

- Site and Resources Maps and Graphics File

- Design and Engineering File

- Economics File

- Subcontract Plan File

- Registration Certifications

- SF-LLL: Disclosure of Lobbying Activities

- Waiver Request: Performance of Work in the United States, if applicable

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# Application Eligibility Requirements

- Applicants must submit an Application by **February 6, 2020 at 5:00 PM Eastern Time**
- Applications are eligible for review only if:
  - The Applicant is an eligible entity (Section III.A of FOA)
  - The Cost Share requirement is satisfied (Section III.B of FOA)
  - The Application is compliant with the content and form requirements (Section III.C of FOA)
  - The proposed project is responsive to the intent of the FOA (Sections I and III.D of FOA)
  - The Application meets any other eligibility requirements listed in Section III of the FOA.
- DOE will **not** make eligibility determinations for potential Applicants prior to the date on which Applications to this FOA must be submitted. The decision whether to submit an Application in response to this FOA lies **solely** with the Applicant.



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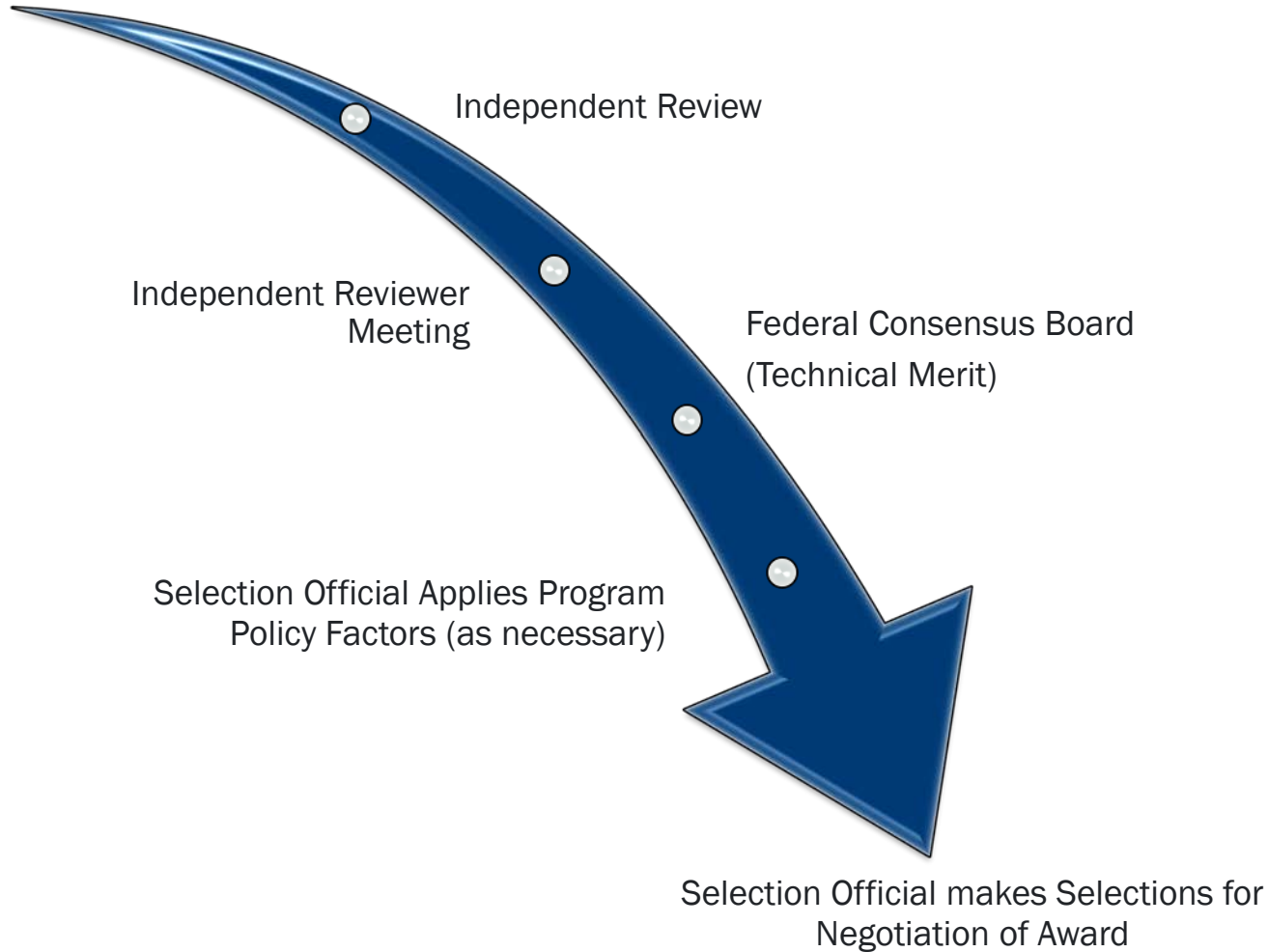


# Merit Review and Selection Process

- The Merit Review and Selection Process consists of a series of reviews including an initial eligibility review, rigorous technical review, and programmatic review.
- Rigorous technical reviews are conducted by reviewers that are experts in the subject matter of the FOA.
- Ultimately, the Selection Official considers the recommendations of the reviewers, along with other considerations such as program policy factors, to make selection decisions.

# Merit Review Process

Eligibility Review



# Technical Merit Review Criteria

Criterion	Weight
Criterion 1: Goals and Objectives	10%
Criterion 2: Options Analysis	10%
Criterion 3: Project Description and Outcomes	45%
Criterion 4: Roles, Responsibilities, Capabilities and Commitment	25%
Criterion 5: Workplan	10%



# Technical Merit Review Criteria

Applications under all Topic Areas will be evaluated against the merit review criteria shown below. The sub-criteria under each criterion are of equal weight, unless otherwise specified.

## Criterion 1: Goals and Objectives (10%)

- Clarity and completeness of the Executive Summary including:
  - Concise overview of the proposed project;
  - Description of the Indian Tribe, Intertribal Organization, or Tribal Energy Development Organization and if applicable, a description of the Tribal Organization submitting the application on behalf of the Indian Tribe, or Tribal Consortium, including the:
    - long-term energy goals and/or vision,
    - organizational structure, and
    - demographics;
  - and,
  - Discussion of the project goals and objectives, and how the project integrates into the vision and long-term goals of the Applicant.
- Extent to which the proposed project provides economic (e.g., money saved, jobs, etc.) and other benefits to the Indian Tribe(s) and tribal community.
- Soundness of the discussion of the need for and impact of DOE funding to the proposed project and the implications if not funded.

# Technical Merit Review Criteria

## Criterion 2: Options Analysis (10%)

- Credibility and comprehensiveness of the Options Analysis that demonstrates that other options were considered and that the proposed project best meets the overall tribal objectives.



# Technical Merit Review Criteria - Continued

## Criterion 3: Project Description and Outcomes (45%)

- Clarity and completeness of the detailed project description
- Technical viability of the proposed project, including
  - o Adequacy of the
    - 1) Energy audit(s) or energy industrial energy assessment(s); and/or
    - 2) Feasibility study and availability of the conventional fuel supply or renewable energy resource(s);
  - o Viability of the
    - 1) Energy efficiency measures and completeness of the materials or equipment list(s); and/or
    - 2) Design and availability of commercially-proven clean energy technologies;
  - o Reasonableness of the methodology to be used to install energy generating system(s), integrated energy system(s), energy storage, energy infrastructure and/or energy efficiency measure(s);
  - o Clarity and completeness of the discussion of barriers that could impede the project and reasonableness of the plan to overcome those barriers;
  - o Reasonableness of the operation and maintenance plan.



# Technical Merit Review Criteria - Continued

## Criterion 3: Project Description and Outcomes (45%) - Continued

- Economic viability of the proposed project, including
  - Quality of the economic assessment;
  - Reasonableness of the payback period; and
  - Financial sustainability of the proposed project.
- Outcomes, including:
  - Amount of energy saved, displaced, or generated;
  - Economic benefits (e.g., money saved, people trained, jobs created);
  - Environmental benefits (e.g., reduction in emissions); and
  - Other outcomes (e.g., replicability, resiliency, environmental stewardship, specific energy goal(s) met, step towards energy independence, number of Tribal Buildings electrified).

# Technical Merit Review Criteria - Continued

## Criterion 4: Roles, Responsibilities, Capabilities and Commitment (25%)

- Soundness of the project management approach, including:
  - Organizational and individual roles and responsibilities;
  - Organizational relationships as evidenced by existing business or other agreements, if applicable.
  - Capabilities of the Applicant and participants to comprehensively address all aspects of the proposed project, including the reasonableness of any plan to obtain qualified subrecipients or vendors.
- Demonstrated level of commitment of the Applicant and each participating organization as evidenced by:
  - (1) Past energy-related efforts; and,
  - (2) Commitments to the proposed project as evidenced by Letters of Commitment.

# Technical Merit Review Criteria - Continued

## Criterion 5: Workplan (10%)

- Clarity and completeness of the narrative description of each activity necessary to complete the project; and
- Likelihood of achieving project objectives through logical task structure.



## Selection Factors

The Selection Official may consider the merit review recommendations, program policy factors, and the amount of funds available in arriving at selection decisions under this FOA.



# Program Policy Factors

In addition to the above criteria, the Selection Official may consider the following program policy factors (in no particular order) in determining which applications to select for award negotiations:

- The degree to which the proposed project, or group of projects, represent a desired **geographic distribution** (considering past awards and current applications);
- The degree to which the proposed project, or group of projects, represent a desired **technology diversity** (considering past awards and current applications);
- The degree to which the proposed project, including proposed cost share, **optimizes the use of available DOE funding** to achieve programmatic objectives;
- Whether the proposed project(s) **serves tribal communities with high energy costs**;
- Whether the proposed project(s) **serves tribal communities not connected to the traditional centralized electrical power grid**; and,
- **Applicants who have not previously received a grant** from the Office of Indian Energy.

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# Registration Requirements

- To apply to this FOA, Applicants must register with and submit application materials through EERE Exchange: <https://eere-Exchange.energy.gov>.
- **A control number will be assigned while registering in EERE Exchange. Retain this number as it will be used as an identifier and required on all application documents.**
- Failure to complete the registrations below prior to submitting an application could result in DOE determining that the Applicant is not qualified to received a federal award.

Registration Requirement	Website
DUNS Number	<a href="http://fedgov.dnb.com/webform">http://fedgov.dnb.com/webform</a>
SAM	<a href="https://www.sam.gov">https://www.sam.gov</a>
FedConnect	<a href="https://www.fedconnect.net">https://www.fedconnect.net</a>
Grants.gov	<a href="http://www.grants.gov">http://www.grants.gov</a>



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# Means of Submission

- Applications **must** be submitted through EERE Exchange at <https://eere-Exchange.energy.gov>
- DOE will not review or consider applications submitted through any other means
- The Users' Guide for Applying to the Department of Energy Funding Opportunity Announcements can be found at <https://eere-Exchange.energy.gov/Manuals.aspx>

# Key Submission Points

- Check entries in EERE Exchange
  - Submissions could be deemed ineligible due to an incorrect entry
- DOE strongly encourages Applicants to submit applications 1-2 days prior to the deadline to allow for full upload of application documents and to avoid any potential technical glitches with EERE Exchange.
- Make sure you push the submit button
  - Any changes made after you push the submit button will un-submit your application and you will need to push the submit button again
- For your records, print out the EERE Exchange Confirmation page at each step, which contains the application's Control Number.

# Key Submission Points

## Protected Personally Identifiable Information

All information provided by the Applicant must to the greatest extent possible exclude Personally Identifiable Information (PII). The term “personally identifiable information” refers to information which can be used to distinguish or trace an individual's identity, such as their name, social security number, biometric records, etc. alone, or when combined with other personal or identifying information which is linked or linkable to a specific individual, such as date and place of birth, mother’s maiden name, etc. See OMB Memorandum M-07-16 dated May 22, 2007, found at:

<https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/memoranda/2007/m07-16.pdf>

By way of example, Applicants must screen resumes to ensure that they do not contain PII such as personal addresses, phone/cell numbers, personal emails and/or SSNs. In short, if the PII is not essential to the application, it should not be in the application.

# Applicant Points-of-Contact

- Applicants must designate primary and backup points-of-contact in EERE Exchange with whom DOE will communicate during the process.
- It is imperative that the Applicant/Selectee be responsive during award negotiations and meet negotiation deadlines.
  - Failure to do so may result in cancellation of further award negotiations and rescission of the Selection

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# Questions

- Questions about this FOA?
  - Email [TribalGrants@hq.doe.gov](mailto:TribalGrants@hq.doe.gov)
  - All Q&As related to this FOA will be posted on the EERE Exchange website. See the Frequently Asked Questions (FAQs).
  - DOE will attempt to respond to questions within 3 business days, unless a similar Q&A has already been posted on the website.
  - You will be notified via email when a response to your question has been posted.



# Questions

- Problems logging into EERE Exchange or uploading and submitting application documents to EERE Exchange?
  - Email [EERE-ExchangeSupport@hq.doe.gov](mailto:EERE-ExchangeSupport@hq.doe.gov).
  - Include the FOA name and number in the subject line
- All questions must be in writing. Send any questions specific to the FOA via email to [TribalGrants@hq.doe.gov](mailto:TribalGrants@hq.doe.gov). Please include the FOA number in the subject line.



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## Best Practices

- Please download the Funding Opportunity Announcement and read it thoroughly so you understand all the steps and requirements for submitting an application. Do not rely solely on this webinar.
- If you are considering submitting an application, please register in EERE Exchange as soon as possible to obtain a Control Number. This control number must be included on all application documents.
- Check the Frequently Asked Questions (FAQs) on EERE Exchange periodically for any supplemental information or amendments to the FOA.

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## Lizana Pierce

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Supervisor  
Office of Indian Energy  
U. S. Department of Energy

To receive periodic email information

**“Get Our Email Updates”**

By subscribing at

<http://energy.gov/indianenergy>





Thank  
You



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Indian Energy