

DOE OFFICE OF INDIAN ENERGY

# Funding Opportunity Announcement Webinar

**TRANSITIONING TRIBAL COLLEGES AND UNIVERSITIES TO CLEAN ENERGY – 2023 (DE-FOA-0002978)**

Lizana Pierce, Senior Engineer and Deployment Supervisor

Tweedie Doe, Lead Project Officer



April 27, 2023

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

# Deployment Supervisor Lizana Pierce, Denver, CO



- Lizana Pierce manages the implementation of all Office of Indian Energy deployment programs: technical assistance, financial assistance, and education and capacity building.
- As Deployment Supervisor, she also serves as the principal engineering expert on these programs for the Director and Deputy Director.
  - Holds a Bachelor of Science degree in mechanical engineering
  - Brings nearly 30 years of experience in energy technologies, project development, and management
  - Has dedicated 20-plus years to assisting Indian tribes in developing their energy resources and building their human capacity to realize their energy visions

*“One of the things that motivates me the most is the ability to touch people [and] to see how these energy projects have had a positive impact on the everyday lives of people and tribal communities.”*

# Lead Project Officer Tweedie Doe, Denver, CO

- As Lead Project Officer, Tweedie Doe serves as a financial assistance program resource to tribes.
- She also oversees, reviews, analyzes, and evaluates a diverse grants portfolio comprising cooperative agreements, awards, and projects.
  - Holds a bachelor's degree in political science and a master's degree in international studies with emphasis on economics and human rights
  - Certified as a Project Management Professional and Project Officer and Contracting Officer Representative
  - Prior to joining DOE, worked with the Council of Energy Resource Tribes, collaborating with tribal leadership on energy and resource planning and management

*"Each person on our team amazes me with their talents and commitment to our mission to improve the standard of living for tribal members. The drive I see in each person motivates me to do my part."*





# TCU Engagement Specialist Stephanie Bostwick, Bellingham, WA

- Assisting Office of Indian Energy with Tribal College and University (TCU) engagement
- Project manager in the Resilient Systems Design and Engineering Group within the National Renewable Energy Laboratory's (NREL's) Energy Security and Resilience Center.
  - M.S. and B.S., Aeronautical and Astronautical Engineering, University of Washington
  - Engineering and Physics Teacher at Northwest Indian College based in Bellingham, Washington
  - Member of the Amskapi Pikuni, also known as the Blackfeet Nation.

*“Energy sovereignty means that tribes can choose how to generate power to sustain their communities, and in doing so, they maintain their responsibility to the natural world—keeping it in balance..”*



# Office of Indian Energy

The DOE Office of Indian Energy is charged by Congress under the **Indian Tribal Energy Development and Self Determination Act of 2005** (Title V of the Energy Policy Act of 2005) to “**provide, direct, foster, coordinate, and implement energy planning, education, management, conservation, and delivery programs that –**

- (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.”



Clockwise from right: **Seneca Nation's** (NY) 1.5-MW wind turbine, **Sokaogon Chippewa Community** (WI) Housing Project, and **Chippewa Cree Tribe's** (MT) Residential Solar.

# Deployment Program

## Financial Assistance



Provides funding and financing to support tribal energy development

## Technical Assistance



Offers no-cost technical assistance to advance tribal energy and infrastructure projects

## Education and Capacity Building



Supports internal capacity building to develop energy projects and navigate energy markets

# Office of Indian Energy Investments 2010–2022

- More than **\$120 million invested** in over **210 tribal energy projects** across the contiguous 48 states and Alaska
- Valued at more than **\$215 million**
- Leveraged by over **\$93 million** in recipient cost share



For more information on funded projects, see:  
[energy.gov/indianenergy/tribal-energy-projects-database](https://energy.gov/indianenergy/tribal-energy-projects-database)



## Financial Assistance Results (2010-2022)

- Nearly 46 MW of new generation installed
- Nearly 13 MWh of battery storage installed
- Over \$14.4 million saved every year
- Nearly \$315 million saved over system lifetimes
- \$3.38 saved for every DOE dollar invested
- Nearly 8,800 tribal buildings affected



Clockwise from top right: **Huslia Tribe Council (AK)** installed a community-scale biomass project to heat their community's buildings (2018); **Rosebud Sioux (SD)** solar system on low-income home (2016); **Alaska Village Electric Cooperative, Inc. (AVEC)** and **Bethel Native Corporation's (BNC)** installed a 900-kW turbine to power the communities of Bethel and Oscarville, AK.



## All Funds Awarded Through a Competitive Process

**18**  
funding  
opportunity  
announcements  
(FOA) issued

(Includes FOAs issued in 2009  
for award in 2010)

Accepted nearly  
**690**  
applications  
valued at nearly  
**\$742 million**

Funded over  
**32%**  
of all applications  
received  
(223 out of 687)

DOE average ~ 5%-10%

The Office of Indian Energy has primarily fulfilled the requirements under 42 U.S.C. § 7144e by providing cost-shared federal funding to Indian tribes and tribal entities through competitive financial assistance awards.

# FOA Document, Forms & Templates, Frequently Asked Questions

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

## DE-FOA-0002978: TRANSITIONING TRIBAL COLLEGES AND UNIVERSITIES TO CLEAN ENERGY - 2023

DE-FOA-0002978: Transitioning Tribal Colleges and Universities to Clean Energy - 2023

**Apply**

Under this Funding Opportunity Announcement (FOA), the DOE Office of Indian Energy is soliciting applications from Tribal Colleges and Universities for:

- (1) clean energy project and curriculum planning (Topic Area 1); and
- (2) clean energy technology and curriculum deployment (Topic Area 2)

See Section III.A. of the FOA for eligibility information and Appendix A for definitions.

DOE expects to make approximately \$15 million in federal funding available for new awards under this FOA. DOE anticipates making approximately 10 to 25 awards under this FOA. DOE may issue awards in one, multiple, or none of the of the aforementioned topic areas.

A 10% cost share of the total allowable costs of the project (i.e., the sum of the federal share, and the non-federal Recipient cost share of allowable costs equals the total allowable cost of the project) is required.

See the FOA document for full description.

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

<https://ie-exchange.energy.gov/Default.aspx#Foald647f25a5-1fb1-48ea-b75a-905f643e4b54>

# FOA Document, Forms & Templates, Frequently Asked Questions

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

## DOCUMENTS

- [DE-FOA-0002978 Transitioning Tribal Colleges and Universities to Clean Energy - 2023](#) (Last Updated: 4/11/2023 06:08 PM ET)

## APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

## CONTACT INFORMATION

- [TribalGrants@hq.doe.gov](mailto:TribalGrants@hq.doe.gov)  
For questions about this FOA
- [ExchangeHelp@hq.doe.gov](mailto:ExchangeHelp@hq.doe.gov)  
For questions related to the use of the IE Exchange website

## FREQUENTLY ASKED QUESTIONS (FAQS)

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

## SUBMISSION DEADLINES

- Full Application Submission Deadline: 7/27/2023 5:00 PM ET

<https://ie-exchange.energy.gov/Default.aspx#FoalId647f25a5-1fb1-48ea-b75a-905f643e4b54>



# FOA Document, Forms & Templates, Frequently Asked Questions

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

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The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

### Full Application

- [Application for Federal Assistance SF-424 \(Must be signed by an authorized representative\)](#) (Last Updated: 4/11/2023 05:38 PM ET)
- [Summary Slide-Topic Area 1](#) (Last Updated: 4/11/2023 05:40 PM ET)
- [Summary Slide-Topic Area 2](#) (Last Updated: 4/11/2023 05:40 PM ET)
- [Technical Volume-Topic Area 1](#) (Last Updated: 4/11/2023 05:41 PM ET)
- [Technical Volume-Topic Area 2](#) (Last Updated: 4/11/2023 05:41 PM ET)
- [Workplan-Topic Area 1](#) (Last Updated: 4/11/2023 05:44 PM ET)
- [Workplan-Topic Area 2](#) (Last Updated: 4/11/2023 05:45 PM ET)
- [Eligibility Statements and Evidence File \(Must be signed by an authorized representative\)](#) (Last Updated: 4/11/2023 05:45 PM ET)
- [Budget Justification Workbook form \(IE 540.132-01\)](#) (Last Updated: 4/11/2023 05:47 PM ET)
- [Subrecipient Budget Justification Workbook form \(IE 540.132-01\)](#) (Last Updated: 4/11/2023 05:48 PM ET)
- [Budget Support \(Must be signed by an authorized representative\)](#) (Last Updated: 4/11/2023 05:48 PM ET)
- [Applicant Registration Certifications \(Must be signed by an authorized representative\)](#) (Last Updated: 4/11/2023 05:50 PM ET)
- [SF-LLL Disclosure of Lobbying Activities \(Must be signed by an authorized representative\)](#) (Last Updated: 4/11/2023 05:51 PM ET)

[Hide Application Forms and Templates](#)

## CONTACT INFORMATION

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## FREQUENTLY ASKED QUESTIONS (FAQS)

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<https://ie-exchange.energy.gov/Default.aspx#Foald647f25a5-1fb1-48ea-b75a-905f643e4b54>

# FOA Document, Forms & Templates, Frequently Asked Questions

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

## 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-0002978: TRANSITIONING TRIBAL COLLEGES AND UNIVERSITIES TO CLEAN ENERGY - 2023

Questions and  
answers will be  
posted here

<https://ie-exchange.energy.gov/Default.aspx#FoalId647f25a5-1fb1-48ea-b75a-905f643e4b54>

# FOA Document, Forms & Templates, Frequently Asked Questions

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U.S. DEPARTMENT OF  
**ENERGY**

Office of Indian Energy

Office of Indian Energy Funding Opportunity Exchange

Funding Opportunity  
Funding Archive  
Login  
Register  
Manuals  
Questions & Answers

## MANUALS

Category Name
<input type="checkbox"/> IE-Exchange Guides for Applicants
<a href="#">IE-Exchange Applicant Guide February 2023</a>
<a href="#">IE-Exchange Registration Login Guide November 2022</a>

DE-FOA-0002775

[Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002774, Energy Infrastructure Deployment on Tribal Lands – 2022](#)

Notice of Intent to Publish FOA (NOI)

Indian Energy

U.S. DEPARTMENT OF  
**ENERGY**

Office of Indian Energy

IE-Exchange User Guide for Applicants  
February 2023

Office of Indian Energy  
Funding Opportunity Exchange

IE-Exchange User Guide  
for Applicants  
February 2023



# 2023 Funding Opportunity

## TRANSITIONING TRIBAL COLLEGES AND UNIVERSITIES TO CLEAN ENERGY - 2023

### Funding Opportunity Announcement (FOA)

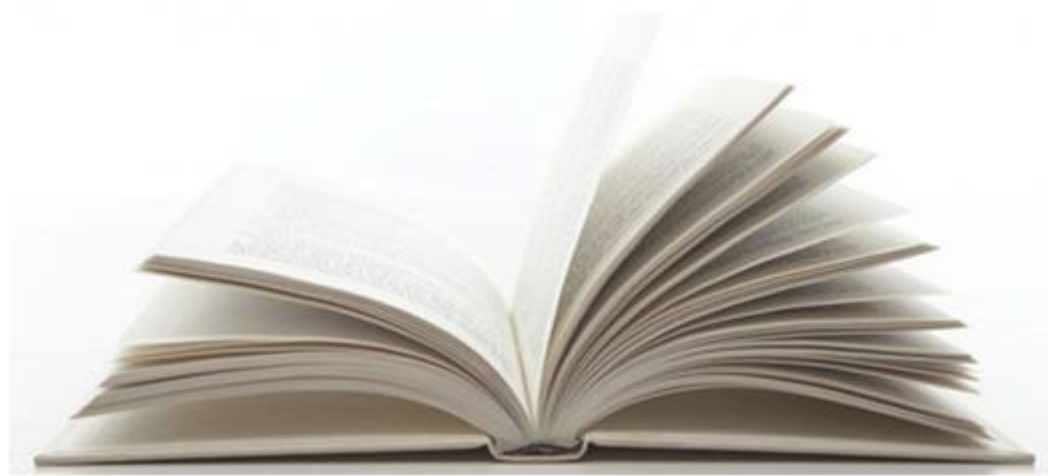
Number: DE-FOA-0002978

FOA Type: 0000

CFDA Number: 81.087

FOA Issue Date:	April 12, 2023
Informational Webinar:	April 27, 2023 at 3:00 pm Eastern Time
Submission Deadline for Applications:	July 27, 2023 at 5:00 pm Eastern Time
Expected Date for DOE Selection Notifications:	Fall 2023
Expected Timeframe for Award Negotiations	90 days after receipt of any requested supplemental information

# **Read the Funding Opportunity Announcement, then Read it Again**



## IE-Exchange and Grants.gov Registrations

- To apply to this FOA, **Applicants must register, create an account, and submit all required application documents to IE-Exchange** at <https://ie-exchange.energy.gov>. The Office of Indian Energy's online Application portal.
- A **Control Number** will be assigned while registering in IE-Exchange. Retain this number as it will be required on all application documents.
- The IE-Exchange registration does not have a delay; however, **the remaining registration requirements could take several weeks to process**.
- **Register in Grants.gov** (<http://www.grants.gov>) to receive automatic updates when Amendments to this FOA are posted.
- **Applications will only be accepted through IE-Exchange, not through Grants.gov.**



## Other Registration Requirements

- All potential Applicants lacking a Unique Entity ID (UEI) 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 64 of the FOA document) for information on how to register in the above systems.
- **An authorized representative of the Applicant must certify that all system registrations have been completed, and that certification submitted as part of an application.**
- The Applicant Registration Certifications template is available under 'Application Forms and Templates' for this FOA on IE-Exchange at <https://ie-exchange.energy.gov>.

# Notice

- All applicants are strongly encouraged to carefully read the Funding Opportunity Announcement (FOA) 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

Funding Opportunity Overview and IE Requirements

Required Application Documents

Topic Areas

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

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# FOA Executive Summary

<b>FOA Summary</b>	The DOE Office of Indian Energy is soliciting applications from Tribal Colleges and Universities (TCUs) for: <b>(1) clean energy project and curriculum planning (Topic Area 1); and (2) clean energy technology and curriculum deployment (Topic Area 2).</b> (See Section III.A. for eligibility information and Appendix A for relevant definitions).
<b>Total Amount to be Awarded</b>	<b>Approximately \$15 million</b> in federal funds. DOE anticipates making approximately <b>10 to 25 awards</b> under this FOA. DOE may issue awards in one, multiple, or none of the Topic Areas.
<b>Award Amount (Minimum and Maximum)</b>	DOE funding per individual award will range from: (1) no less than \$100,000 to a maximum of \$250,000 for Topic Area 1, and (2) no less than \$250,000 to a maximum of \$4,000,000 for Topic Area 2.
<b>Types of Funding Agreements</b>	Grants
<b>Period of Performance</b>	DOE anticipates making awards with a period of performance of approximately two (2) to four (4) years, which for Topic Area 2 must include a mandatory 12-month verification period.



# FOA Executive Summary

<b>Eligible Applicants</b>	<p>The DOE Office of Indian Energy will only consider applications from <b>(1) Tribal Colleges and Universities (TCUs); and (2) on whose campus(es) the proposed project(s) will be located.</b> See Section III.A., Eligibility Information, and Appendix A for further definition. Applications from a consortium of Tribal Colleges and Universities (Consortium) will be accepted but must be submitted by a single Tribal College or University acting as the Applicant representing the Consortium. See Section III.A. for eligibility requirements and definitions. <b>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.</b> 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.</p>
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# FOA Executive Summary

<b>Cost Share Requirement</b>	<b>A 10% cost share of the total allowable costs of the project</b> (i.e., the sum of the federal share, and the non-federal Recipient cost 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 by law).
<b>Additional Consideration in the Selection for Funding</b>	In addition to the ability to consider geographic distribution, 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.), give additional consideration in the selection of applications for funding to: (1) whether the proposed project serves tribal communities with high energy costs; (2) the degree to which the proposed project will employ procurement of U.S. iron, steel, manufactured products, and construction materials; and/or (3) Applicants who have not previously received a grant from the Office of Indian Energy.

# FOA Executive Summary

<b>Technical Assistance</b>	Within scope and budget, 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. Such technical assistance will be provided on a priority basis over those who request technical assistance but do not apply to this FOA.
<b>Submission of Multiple Applications</b>	Applicants may only submit one application to this FOA.

# FOA Executive Summary

<b>Means of Submission</b>	Applications must be submitted through IE-Exchange at <a href="https://ie-exchange.energy.gov">https://ie-exchange.energy.gov</a> , DOE's online application portal. DOE will not review or consider applications submitted through other means. The IE-Exchange User Guide for Applicants is found at <a href="https://ie-exchange.energy.gov/Manuals.aspx">https://ie-exchange.energy.gov/Manuals.aspx</a> .
<b>Application Forms</b>	Required forms and templates are available under 'Application Forms and Templates' for this FOA on IE-Exchange at <a href="https://ie-exchange.energy.gov">https://ie-exchange.energy.gov</a> .
<b>Applicant Notification</b>	<b>DOE will notify all Applicants of its eligibility and selection determinations.</b> 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 a particular application(s) may be made at a later date, subject to congressional appropriations or other programmatic 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 IE-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 through 5 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
- Applicant Commitment and Cost Sharing
- Participant Letters of Commitment and Cost Sharing
- Letters of Support
- Post Award Payment
- Post Award Reporting Requirements
- Equipment Title and Vested Interest
- Cost Share





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# Required Application Documents

- Applications must include:

• Application for Federal Assistance Form SF-424\*

• Summary Slide

• Technical Volume - 15-page limit

• Workplan - 5-page limit, excluding the Milestone Table

• Eligibility Statements and Evidence\*

• Applicant Commitment and Cost Sharing File\*

• Participant Letters of Commitment and Cost Sharing File

• Resumes

• Budget Justification Workbook (IE 540.132-01)

\* Denotes documents which must be executed or signed by an authorized representative

# Required Application Documents

- Continued:

- Subrecipient Budget Justification Workbook (IE 540.132-01)

- Budget Support\*

- Applicant Registration Certifications\*

- SF-LLL: Disclosure of Lobbying Activities

- Potentially Duplicate Funding Notice File

- Site and Resources Maps and Graphics File

- Studies and Analyses File (Topic Area 2 Only)

- Design and Engineering File (Topic Area 2 Only)

- Economics File (Topic Area 2 Only)

\* Denotes documents which must be executed or signed by an authorized representative

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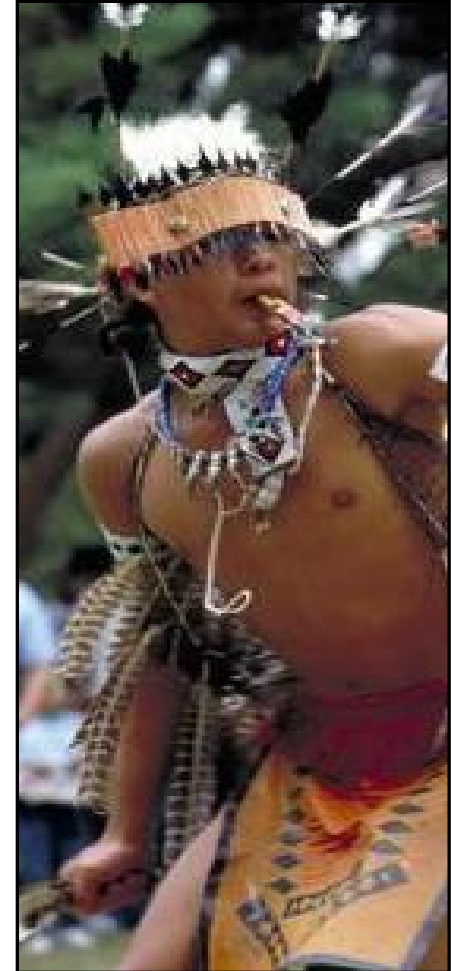
**Best Practices**

**Closing**

## 2023 Funding Opportunity

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

Between 2010 and 2022, the DOE Office of Indian Energy invested over \$120 million in more than 210 tribal energy projects implemented across the contiguous 48 states and Alaska. These projects, valued at nearly \$215 million, are leveraged by over \$93 million in recipient cost share.





# 2023 Funding Opportunity

Through this FOA, the DOE's Office of Indian Energy will continue its efforts to maximize the deployment of energy solutions for the benefit of American Indians and Alaska Natives and help build the knowledge, skills, and resources needed to implement those energy solutions. In support of these objectives, the DOE Office of Indian Energy is soliciting applications to plan and deploy clean energy technology on Tribal Lands.

Specifically, DOE's Office of Indian Energy is soliciting applications from **Tribal Colleges and Universities (TCUs) and on whose campus(es) the project(s) will be located.** Applications may also be submitted from a consortium of TCUs (Consortium), but must be submitted by a single TCU acting as the Applicant and representing the Consortium.



## 2023 Funding Opportunity – Topic Areas

# **TRANSITIONING TRIBAL COLLEGES AND UNIVERSITIES TO CLEAN ENERGY – 2023 DE-FOA-0002978**

- 1) Clean Energy Project and Curriculum Planning (Topic Area 1); and,
- 2) Clean Energy Technology and Curriculum Deployment (Topic Area 2).

## FOA Description – Definitions

- **“Tribal Colleges and Universities (TCUs),”** for the purposes of this FOA, eligible Tribal Colleges and Universities (TCUs) must be (1) institutions of higher education located in the 48 contiguous United States or Alaska and be (2) defined and eligible based on the Tribally Controlled Community College Assistance Act of 1978 (25 U.S.C. § 1801(a)(4)), and the Higher Education Act of 1965 (20 U.S.C. § 1059).
- **"Consortium (plural consortia)"** means the group of organizations or individuals that have chosen to submit a single application in response to a FOA.



# FOA Description – Definitions

- **“Campus,”** for purposes of this FOA, means a collection of buildings and land that are part of a Tribal College or University.
- **“Curriculum”** for the purposes of this FOA, means the subjects comprising a course of study in a school or college which covers the knowledge, attitude, behavior, manner, performance and skills that are imparted or inculcated in a student, and may include, but is not limited to, teaching methods, lessons, assignments, physical and mental exercises, activities, projects, tutorials, presentations, assessments, test series, other methods used to evaluate student learning, study supplies and kits, and materials used to organize and teach a particular course.





# FOA Description – Definitions (Topic Area 1)

## Topic Area 1: Clean Energy Project and Curriculum Planning

- Under Topic Area 1, the DOE Office of Indian Energy is soliciting applications for (1) clean energy project planning to transition the Tribal College or University to a clean energy campus and (2) clean energy curriculum planning to complement the transition to clean energy.
- Eligible planning activities under Topic Area 1 must include clean energy project studies and analyses (energy efficiency and/or renewable energy), including activities for clean energy curriculum planning.
- The clean energy project planning must result in a specific project plan, sufficient to implement a clean energy project and implementation of a related clean energy curriculum.



## FOA Description – Definitions (Topic Area 2)

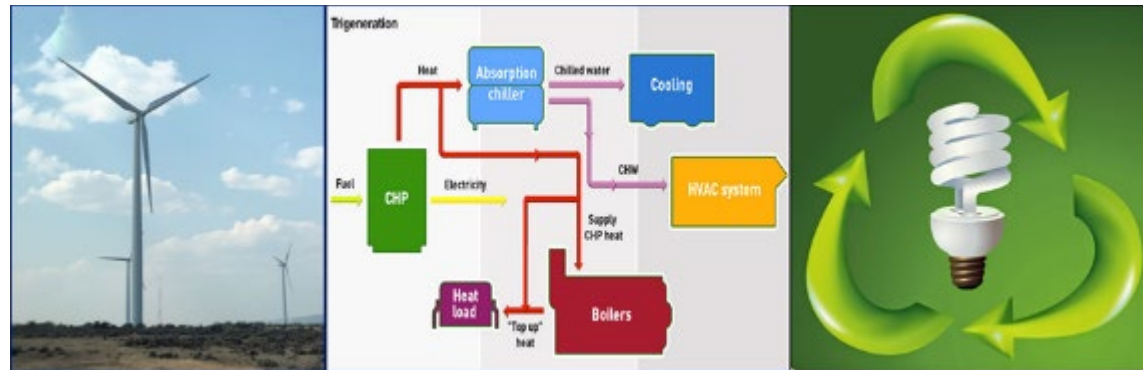
### Topic Area 2: Clean Energy Technology and Curriculum Deployment

- Under Topic Area 2, the DOE Office of Indian Energy is seeking applications for the (1) deployment of clean energy technology(ies) to transition the Tribal College or University to a clean energy campus, and (2) implementation of a related clean energy curriculum.
- The clean energy technology deployment must result in the installation of clean energy technology on the TCU campus, including the implementation of a related clean energy curriculum.
- The building(s) and/or land to be used for the project must be ‘owned or controlled’ by the Applicant. If the building(s) and/or land is not ‘owned or controlled’ by the Applicant, a letter of commitment for use of the building(s) and/or land from the building(s) and/or land holder must be submitted as part of the application under the Participant Letter of Commitment and Cost Sharing File.

# FOA Description – Definitions (Topic Area 2)

## *For Purposes of this FOA*

- **“Clean Energy Technology”** may include:
  - (1) Clean Energy Generating System(s);
  - (2) Energy Efficiency Measure(s); or
  - (3) Integrated Clean Energy System(s).
- **“Energy Efficiency Measure(s)”** means the implementation of a
  - (1) building efficiency measure(s), or an
  - (2) industrial process efficiency measure(s).



See definitions under Appendix A of the FOA document

# FOA Description – Definitions (Topic Area 2)

## *For Purposes of this FOA*

- **“Integrated Clean Energy System(s)”** under Topic area 2 must, as a minimum, provide power to building(s) that make up, in part or the whole of, a TCU campus and include:
  - (1) clean energy generating system(s);
  - (2) controls and management system(s); and
  - (3) energy storage system(s).

*Such systems may also include*

- (4) conventional energy generation device(s); **however, conventional energy generation device(s) are eligible only if used solely as a dispatchable stand-by power source.**
- Note that some components of the proposed integrated clean energy system(s) may already exist and, therefore, not all of the components must be proposed for DOE funding; however, the integrated clean energy system(s) as a whole must meet the requirements under Topic Area 2.

See definitions under Appendix A of the FOA document

## FOA Description – Definitions (Topic Area 2)

Applications under Topic Area 2 must include the implementation of a related clean energy curriculum that may include, but is not limited to, the following activities:

- Lessons
- Assignments
- Physical and mental exercises
- Activities
- Projects
- Tutorials
- Presentations
- Assessments
- Tests
- Other methods used to evaluate student learning
- Study supplies and kits
- Materials used to organize and teach a particular course

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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 I.C. of the FOA):

- Applications that fall outside the technical parameters specified in Section I.B. of the FOA
- Applications proposing “energy conservation,” where “energy conservation,” for the purposes of this FOA, means decreasing energy consumption by using less energy or going without to save energy. Energy conservation typically involves a behavioral change and may include energy use monitors or other indicators to induce that behavioral change.
- Applications proposing the evaluation of product marketing opportunities, assessment of manufacturing opportunities, research, product development, or the construction of manufacturing facilities or buildings.

# Applications Specifically Not of Interest – Topic Area 1

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

- For Topic Area 1, applications proposing the purchase or installation of clean energy technology.





## Applications Specifically Not of Interest – Topic Area 2

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

- For Topic Area 2, applications proposing planning activities, including but not limited to studies, design, and engineering (excluding *final* design and engineering), or development (pre-construction) activities; or any activities which are not directly related to the installation of clean energy technology.
- For Topic Area 2, applications proposing the cost of construction for a building(s) or structure(s) such as carports. Only the incremental costs associated with the installation of clean energy technologies 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.

## Applications Specifically Not of Interest – Topic Area 2 (Continued)

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

- For Topic Area 2, 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 clean energy technology, 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, groundbreaking, equipment or system purchase or installation, building renovation, and building retrofits.

## Applications Specifically Not of Interest – Topic Area 2 (continued)

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

- For Topic Area 2, applications for commercial projects intended *solely* for revenue generation through the export of electricity off the TCU campus for commercial sale, **unless** revenue from the exported electricity is used to offset the Applicants electricity bills.
- For Topic Area 2, applications proposing conventional energy generation device(s), unless used *solely* as dispatchable stand-by power source(s). A conventional energy generation device(s) is only eligible as a dispatchable stand-by power source under Topic Area 2.

## Applications Specifically Not of Interest – Topic Area 2 (continued)

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

- For Topic Area 2, applications proposing the use of materials, supplies, or equipment which are not commercially proven and warranted.
- For Topic Area 2, applications proposing construction as a primary activity. For the purpose of this FOA, “construction” is defined as, but not limited to, building, erecting, altering, remodeling, or repairing a particular building or structure, as well as making major renovations or additions to existing buildings or structures.

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# Award Information

<b>Total Amount to be Awarded</b>	<b>Approximately \$15 million in federal funds.</b> The actual level of funding will depend on Congressional appropriations. DOE anticipates making approximately <b>10 to 25 awards</b> under this FOA. DOE may issue awards in one, multiple, or none of the Topic Areas.
<b>Award Amount (Minimum and Maximum)</b>	DOE funding per individual award will range from: (1) no less than \$100,000 to a maximum of \$250,000 for Topic Area 1, (2) no less than \$250,000 to a maximum of \$4,000,000 for Topic Area 2,
<b>Period of Performance</b>	DOE anticipates making awards with a period of performance of approximately two (2) to four (4) years including the mandatory 12-month verification period.



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# Eligibility Information

## Who's Eligible to Apply?

- All Applicants will be **required** to provide eligibility statements and evidence to support DOE's eligibility determination (see Section IV.C.5.)
- **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.
- The DOE Office of Indian Energy will only consider applications from: (1) Tribal Colleges and Universities (TCUs); and (2) on whose campus(es) the proposed project(s) will be located. Applications from a consortium of TCUs (Consortium) will be accepted but **must** be submitted by a single TCU acting as the Applicant and representing the Consortium.

## Eligibility Information

“**Tribal Colleges and Universities (TCUs)**” for purposes of this FOA, are (1) institutions of higher education located in the 48 contiguous United States or Alaska and (2) defined and eligible based on the Tribally Controlled Community College Assistance Act of 1978 ([25 U.S.C. § 1801\(a\)\(4\)](#)), and the Higher Education Act of 1965 ([20 U.S.C. § 1059](#)), respectively, as follows:

Tribal Colleges and Universities," for purposes of the FOA, mean institutions of higher education which are formally controlled, or have been formally sanctioned, or chartered, by the governing body of an Indian tribe or tribes, except that no more than one such institution shall be recognized with respect to any such tribe;

including:

Those institutions cited in section 532 of the Equity in Educational Land-Grant Status Act of 1994 ([7 U.S.C. 301 note](#)), any other institution that qualifies for funding under the Tribally Controlled Community College Assistance Act of 1978 ([25 U.S.C. 1801 et seq.](#)), and Diné College, authorized in the Navajo Community College Assistance Act of 1978, Public Law 95-471, title II ([25 U.S.C. 640a note](#)).

## 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.**



## BUY AMERICA REQUIREMENTS FOR INFRASTRUCTURE PROJECTS

Federally assisted projects which involve infrastructure work, undertaken by applicable Recipient types, require that:

- All iron, steel, and manufactured products used in the infrastructure work are produced in the United States; and
- All construction materials used in the infrastructure work are manufactured in the United States.

Whether a given project must apply this requirement is project-specific and dependent on several factors, such as the Recipient's entity type, whether the work involves "infrastructure," as that term is defined in Section 70914 of the Bipartisan Infrastructure Law, and whether the infrastructure in question is publicly owned or serves a public function.



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## Cost Sharing Requirements

A 10% cost share of the total allowable costs of the project (i.e., the sum of the federal share, and the non-federal Recipient cost share of allowable costs equals the total allowable cost of the project) is required.



# Cost Sharing Requirements

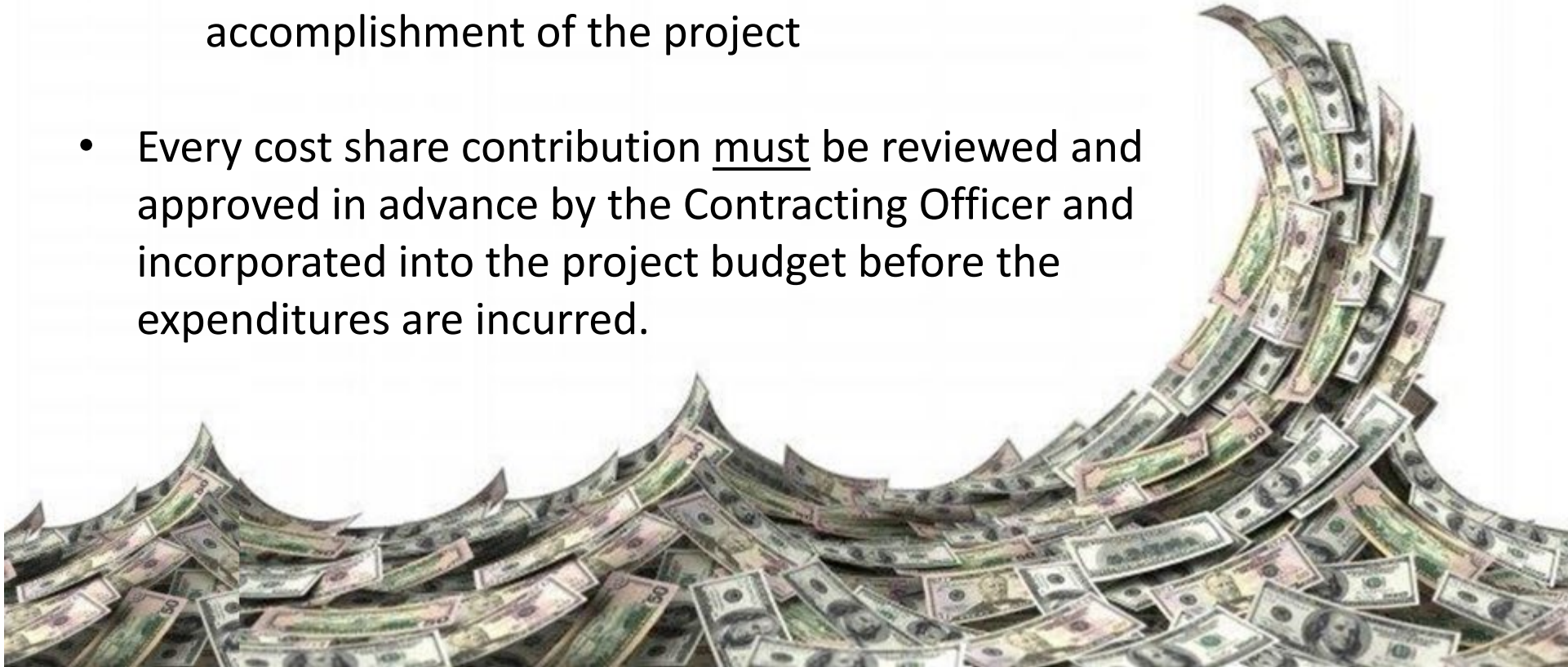
- All cost share must come from non-Federal sources unless otherwise allowed by law. See 2 CFR 200.306 and 2 CFR 910.130 for the applicable cost sharing requirements.
- Except for pre-award costs with prior DOE approval, only cost share contributions made **during the period of performance** of the grant, if awarded, can be considered.
- Costs incurred prior to award selection cannot be considered as cost share or for reimbursement by DOE.
- In addition, cost share must be available or accessible at the time of submission of the application, as described below.
- A written assurance (e.g., commitment) must be provided at the time of application submission. The written assurance (e.g., commitment) is a binding guarantee that funds are available or, with respect to the use of equipment, contributed labor hours, or unrecovered indirect costs, accessible.
- **Cost share commitments cannot be dependent on some future event, such as receiving a grant, obtaining a loan, or securing an investor.**

## Cost Share Contributions

- 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 the entire amount of cost share, if an award is made.**
- In addition, if an award is made, cost share will be verified, once invoiced.
- Documentation for all costs (evidence of expenditures) associated with the project will be required with each and every request for reimbursement from DOE for DOE's portion of those costs.
- DOE requires Recipients to contribute the cost share amount incrementally over the life of the award, on an invoice-by-invoice basis. 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.

# 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.



## Cost Share Contributions

- 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.



# 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), unless allowed by law;
- Renewable Energy Credits (RECs) or other green attribute monetization funds;
- Any form of cost sharing received after the DOE grant period **or** those received prior to being selected for award under this FOA;
- Independent research and development (IR&D) funds;
- The same cash or in-kind contributions to meet cost share requirements for more than one project or program; and
- Expenditures that were reimbursed under a separate federal program.

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# Content and Form of Applications

- Applications must include:

• Application for Federal Assistance Form SF-424\*

• Summary Slide

• Technical Volume - 15-page limit

• Workplan - 5-page limit, excluding the Milestone Table

• Eligibility Statements and Evidence\*

• Applicant Commitment and Cost Sharing File\*

• Participant Letters of Commitment and Cost Sharing File

• Resumes

• Budget Justification Workbook (IE 540.132-01)

\* Denotes documents which must be executed or signed by an authorized representative

# Content and Form of Applications

- Continued:

- Subrecipient Budget Justification Workbook (IE 540.132-01)

- Budget Support\*

- Applicant Registration Certifications\*

- SF-LLL: Disclosure of Lobbying Activities\*

- Potentially Duplicate Funding File

- Site and Resources Maps and Graphics File

- Studies and Analyses File (Topic Area 2 Only)

- Design and Engineering File (Topic Area 2 Only)

- Economics File (Topic Area 2 Only)

\* Denotes documents which must be executed or signed by an authorized representative

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# Application Eligibility Requirements

- Applicants must submit an Application by **July 27, 2023 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 complies with the content, format, and submission requirements in Section IV.A and Section IV.C. of the FOA;
  - The Applicant successfully uploaded *all* required documents and clicked the “Submit” button in IE-Exchange by the deadline stated in the FOA.
  - The proposed project is responsive to the intent of the FOA (Section I and Section III.D of FOA)
  - The Application meets any other eligibility requirements identified 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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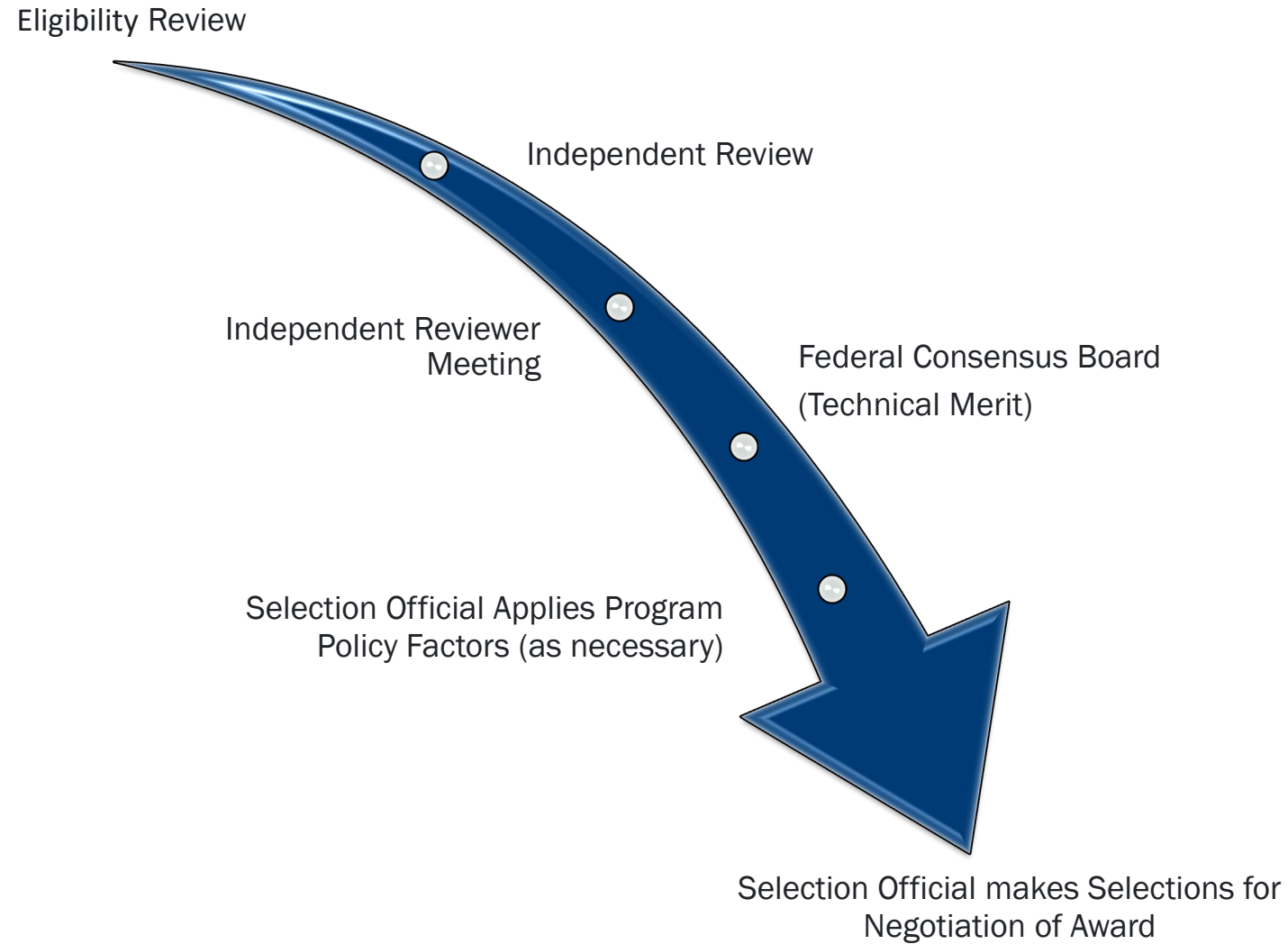
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## Merit Review and Selection Process

- 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



# Technical Merit Review Criteria

Criterion	Weight
Criterion 1: Goals and Objectives	10%
Criterion 2: Project Description and Outcomes	50%
Criterion 3: Roles, Responsibilities, Capabilities and Commitment	30%
Criterion 4: Workplan	10%

## Program Policy 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 Technical Review 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**;
- The degree to which the proposed project will **employ procurement of U.S. iron, steel, manufactured products, and construction materials**; 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, create an account, and submit applications through IE-Exchange at <https://ie-exchange.energy.gov>. Applications will only be accepted through IE-Exchange.
- **A control number will be assigned while registering in IE-Exchange. Retain this number as it will be required on all application documents.**

Registration Requirement	Website
UEI Number	<a href="https://www.sam.gov">https://www.sam.gov</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>

- The Applicant will be required to certify that these registrations have been completed and to include that certification as part of their application. Therefore, it is essential that these registrations be completed as soon as possible as some may take several weeks to process.
- Failure to complete the registrations below prior to submitting an application could result in DOE determining that the Applicant is not qualified to receive a federal award.

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# Means of Submission

- Applications **must** be submitted through IE-Exchange at <https://ie-exchange.energy.gov>
- DOE will not review or consider applications submitted through any other means
- An *IE-Exchange Applicant Guide* and an *IE-Exchange Registration and Login Guide* can be found at <https://ie-exchange.energy.gov/Manuals.aspx>.

MANUALS	
Category Name	
IE-Exchange Guides for Applicants	
<a href="#">IE-Exchange Applicant Guide February 2023</a>	IE-Exchange User Guide for Applicants
<a href="#">IE-Exchange Registration Login Guide November 2022</a>	IE-Exchange Registration and Login Guide for Applicants

# Key Submission Points

- Check entries in IE-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 issues.
- 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 IE-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/default/files/omb/memoranda/fy2007/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, or social security numbers. 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 IE-Exchange with whom DOE will communicate during the process.
- These are the contacts that will be used to notify applicants of whether their applications was deemed non-responsive, non-compliant, unsuccessful, or selected for negotiation of an award.



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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 IE-Exchange website. See the Frequently Asked Questions (FAQs) for this particular FOA.
  - 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 IE-Exchange or uploading and submitting application documents to IE-Exchange?
  - Email Exchange helpdesk at [ExchangeHelp@hq.doe.gov](mailto:ExchangeHelp@hq.doe.gov)
  - Include the FOA name and number in the subject line
- Questions about this specific FOA?
  - 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 IE-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 IE-Exchange periodically for any supplemental information or amendments to the FOA.

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[TribalGrants@hq.doe.gov](mailto:TribalGrants@hq.doe.gov)



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## Office of Indian Energy

(240) 562-1352



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Thank you!

