

Instructions and Summary

Award Number: DE-FOA-0002740
 Award Recipient: Holy Cross Energy

Date of Submission: 4/7/2023
 Form submitted by: Bryan Hannegan
(May be award recipient or sub-recipient)

Please read the instructions on each worksheet tab before starting. If you have any questions, please ask your DOE contact!

1. If using this form for award application, negotiation, or budget revision, fill out the blank white cells in workbook tabs a. through j. with total project costs. If using this form for invoice submission, fill out tabs a. through j. with total costs for just the proposed invoice and fill out tab k. per the instructions on that tab.
2. Blue colored cells contain instructions, headers, or summary calculations and should not be modified. Only blank white cells should be populated.
3. Enter detailed support for the project costs identified for each Category line item within each worksheet tab to autopopulate the summary tab.
4. The total budget presented on tabs a. through i. must include both Federal (DOE) and Non-Federal (cost share) portions.
5. All costs incurred by the preparer's sub-recipients, vendors, and Federal Research and Development Centers (FFRDCs), should be entered only in section f. Contractual. All other sections are for the costs of the preparer only.
6. Ensure all entered costs are allowable, allocable, and reasonable in accordance with the administrative requirements prescribed in 2 CFR 200, and the applicable cost principles for each entity type: FAR Part 31 for For-Profit entities; and 2 CFR Part 200 Subpart E - Cost Principles for all other non-federal entities.
7. Add rows as needed throughout tabs a. through j. If rows are added, formulas/calculations may need to be adjusted by the preparer. Do not add rows to the Instructions and Summary tab. If your project contains more than five budget periods, consult your DOE contact before adding additional budget period rows or columns.
8. **ALL budget period cost categories are rounded to the nearest dollar.**

BURDEN DISCLOSURE STATEMENT

Public reporting burden for this collection of information is estimated to average 3 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of Information Resources Management Policy, Plans, and Oversight, AD-241-2 - GTN, Paperwork Reduction Project (1910-5162), U.S. Department of Energy 1000 Independence Avenue, S.W., Washington, DC 20585; and to the Office of Management and Budget, Paperwork Reduction Project (1910-5162), Washington, DC 20503.

SUMMARY OF BUDGET CATEGORY COSTS PROPOSED

The values in this summary table are from entries made in subsequent tabs, only blank white cells require data entry

Section A - Budget Summary									
		Federal	Cost Share			Total Costs	Cost Share %	Proposed Budget Period Dates	
	Budget Period 1	(b) (4)							
	Budget Period 2								
	Budget Period 3								
	Budget Period 4								
	Budget Period 5								
	Total	\$99,328,430	\$45,762,816			\$145,091,246	31.54%		
Section B - Budget Categories									
CATEGORY	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total Costs	% of Project	Comments (as needed)	
a. Personnel	(b) (4)								
b. Fringe Benefits									
c. Travel									
d. Equipment									
e. Supplies									
f. Contractual									
Sub-recipient									
Vendor									
FFRDC									
Total Contractual									
g. Construction									
h. Other Direct Costs									
Total Direct Costs									
i. Indirect Charges									
Total Costs						\$145,091,246	100.00%		

Additional Explanation (as needed): Community and stakeholder engagement in year 1, construction of selected projects in year 2 and 3

b. Fringe Benefits

INSTRUCTIONS - PLEASE READ!!!

1. Fill out the table below by position title. If all employees receive the same fringe benefits, you can show "Total Personnel" in the Labor Type column instead of listing out all position titles.
2. The rates and how they are applied should not be averaged to get one fringe cost percentage. Complex calculations should be described/provided in the Additional Explanation section below.
3. The fringe benefit rates should be applied to all positions, regardless of whether those funds will be supported by Federal Share or Recipient Cost Share.
4. Each budget period is rounded to the nearest dollar.

Labor Type	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total Project
------------	-----------------	-----------------	-----------------	-----------------	-----------------	---------------

(b) (4)

A federally approved fringe benefit rate agreement, or a proposed rate supported and agreed upon by DOE for estimating purposes is required at the time of award negotiation if reimbursement for fringe benefits is requested. Please check (X) one of the options below and provide the requested information if not previously submitted.

A fringe benefit rate has been negotiated with, or approved by, a federal government agency. A copy of the latest rate agreement is/was included with the project application.*

There is not a current federally approved rate agreement negotiated and available.**

*Unless the organization has submitted an indirect rate proposal which encompasses the fringe pool of costs, please provide the organization's benefit package and/or a list of the components/elements that comprise the fringe pool and the cost or percentage of each component/element allocated to the labor costs identified in the Budget Justification (Form EERE 335.1).

**When this option is checked, the entity preparing this form shall submit an indirect rate proposal in the format provided in the Sample Rate Proposal at <http://www1.eere.energy.gov/financing/resources.html>, or a format that provides the same level of information and which will support the rates being proposed for use in the performance of the proposed project.

Additional Explanation (as necessary): Please use this box (or an attachment) to list the elements that comprise your fringe benefits and how they are applied to your base (e.g. Personnel) to arrive at your fringe benefit rate.

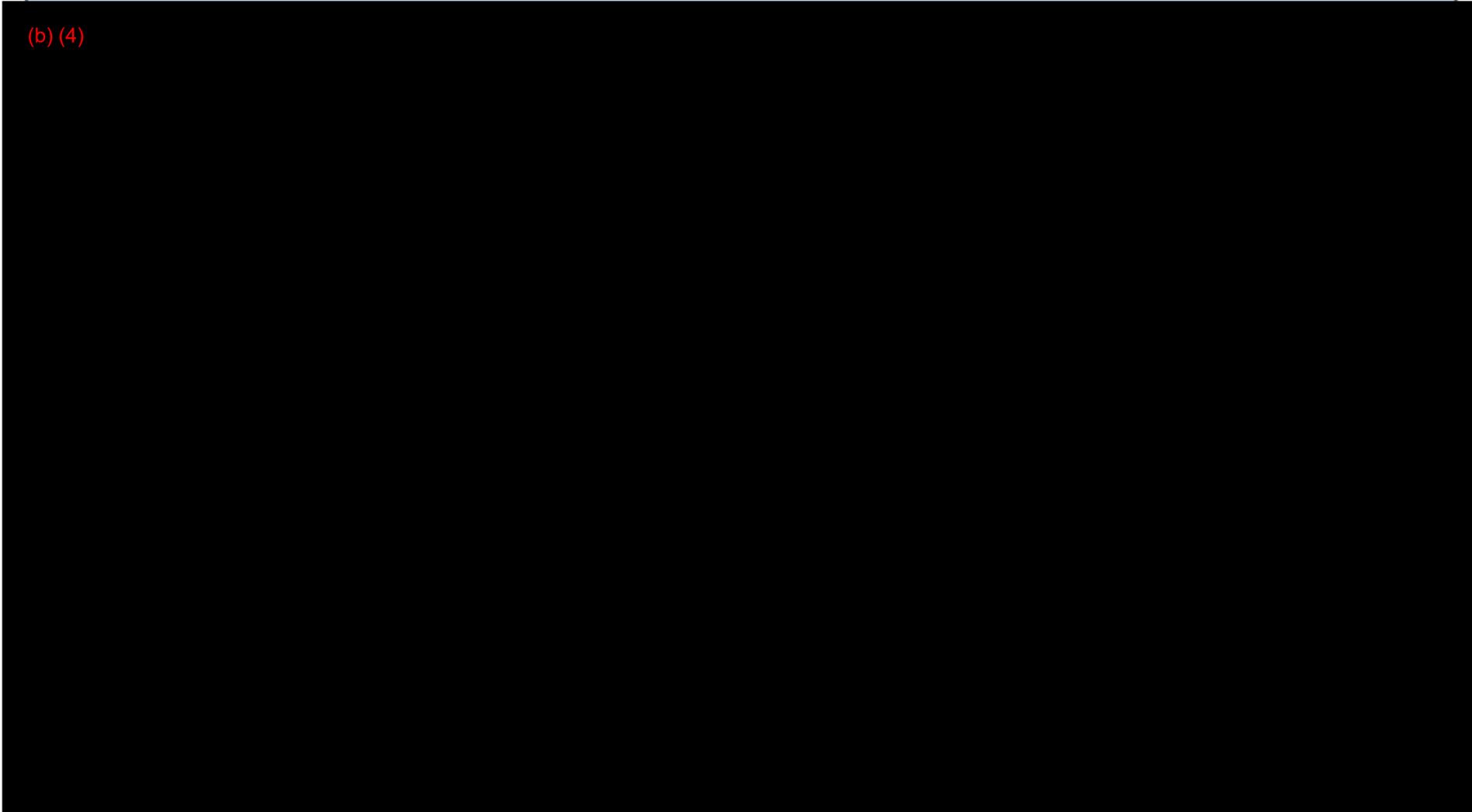
(b) (4)

d. Equipment

INSTRUCTIONS - PLEASE READ!!!

1. Equipment is generally defined as an item with an acquisition cost greater than \$5,000 and a useful life expectancy of more than one year. Please refer to the applicable Federal regulations in 2 CFR 200 for specific equipment definitions and treatment.
2. List all equipment below, providing a basis of cost (e.g. vendor quotes, catalog prices, prior invoices, etc.). Briefly justify items as they apply to the Statement of Project Objectives. If it is existing equipment, provide logical support for the estimated value shown.
3. During award negotiations, provide a vendor quote for all equipment items over \$50,000 in price. If the vendor quote is not an exact price match, provide an explanation in the additional explanation section below. If a vendor quote is not practical, such as for a piece of equipment that is purpose-built, first of its kind, or otherwise not available off the shelf, provide a detailed engineering estimate for how the cost estimate was derived.
4. Each budget period is rounded to the nearest dollar.

SOPO Task #	Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1						



(b) (4)

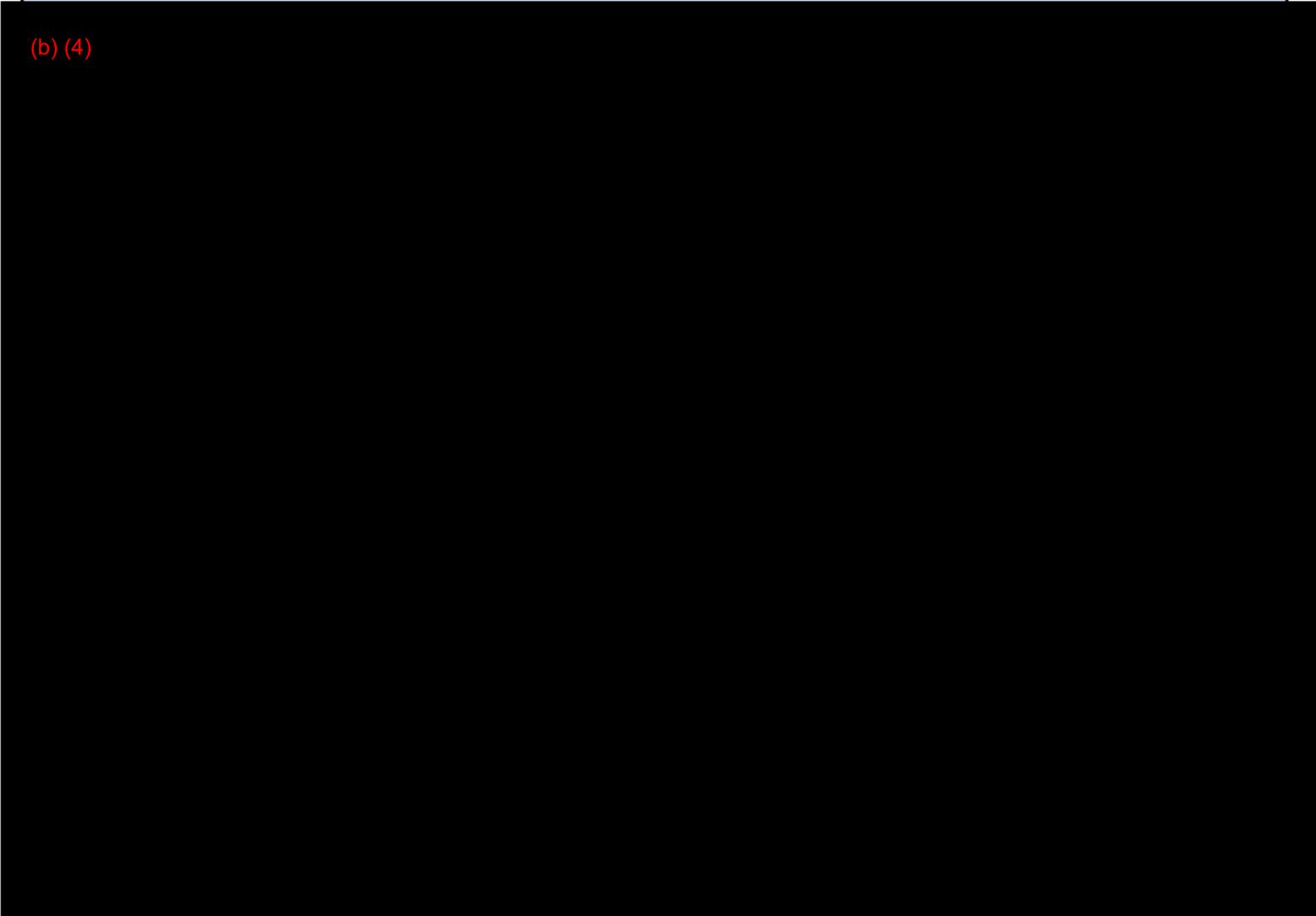
Additional Explanation (as needed):

e. Supplies

INSTRUCTIONS - PLEASE READ

1. Supplies are generally defined as an item with an acquisition cost of \$5,000 or less and a useful life expectancy of less than one year. Supplies are generally consumed during the project performance. Please refer to the applicable Federal regulations in 2 CFR 200 for specific supplies definitions and treatment.
2. List all proposed supplies below, providing a basis of costs (e.g. vendor quotes, catalog prices, prior invoices, etc.). Briefly justify the need for the Supplies as they apply to the Statement of Project Objectives. Note that Supply items must be direct costs to the project at this budget category, and not duplicative of supply costs included in the indirect pool that is the basis of the indirect rate applied for this project.
3. Multiple supply items valued at \$5,000 or less used to assemble an equipment item with a value greater than \$5,000 with a useful life of more than one year should be included on the equipment tab. If supply items and costs are ambiguous in nature, contact your DOE representative for proper categorization.
4. Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.
5. Each budget period is rounded to the nearest dollar.

SOPO Task #	General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
-------------	------------------------------	-----	-----------	------------	---------------	-----------------------



(b) (4)

Additional Explanation (as needed):

f. Contractual

INSTRUCTIONS - PLEASE READ!!!

1. The entity completing this form must provide all costs related to subrecipients, vendors, and FFRDC partners in the applicable boxes below.

2. Subrecipients (partners, sub-awardees): Subrecipients shall submit a Budget Justification describing all project costs and calculations when their total proposed budget exceeds either (1) \$100,000 or (2) 50% of total award costs. These subrecipient forms may be completed by either the subrecipients themselves or by the preparer of this form. The budget totals on the subrecipient's forms must match the subrecipient entries below. A subrecipient is a legal entity to which a subaward is made, who has performance measured against whether the objectives of the Federal program are met, is responsible for programmatic decision making, must adhere to applicable Federal program compliance requirements, and uses the Federal funds to carry out a program of the organization. All characteristics may not be present and judgment must be used to determine subrecipient vs. vendor status.

3. Vendors (including contractors): List all vendors and contractors supplying commercial supplies or services used to support the project. For each Vendor cost with total project costs of \$250,000 or more, a Vendor quote must be provided. A vendor is a legal entity contracted to provide goods and services within normal business operations, provides similar goods or services to many different purchasers, operates in a competitive environment, provides goods or services that are ancillary to the operation of the Federal program, and is not subject to compliance requirements of the Federal program. All characteristics may not be present and judgment must be used to determine subrecipient vs. vendor status.

4. Federal Funded Research and Development Centers (FFRDCs): FFRDCs must submit a signed Field Work Proposal during award application. The award recipient may allow the FFRDC to provide this information directly to DOE, however project costs must also be provided below.

5. Each budget period is rounded to the nearest dollar.

SOPO Task #	Sub-Recipient Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
(b) (4)								

SOPO Task #	Vendor Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
(b) (4)								

SOPO Task #	FFRDC Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
(b) (4)								

	Total Contractual		(b) (4)					
--	--------------------------	--	---------	--	--	--	--	--

Additional Explanation (as needed):

g. Construction

PLEASE READ!!!

1. Construction, for the purpose of budgeting, is defined as all types of work done on a particular building, including erecting, altering, or remodeling. Construction conducted by the award recipient is entered on this page. Any construction work that is performed by a vendor or subrecipient should be entered under f. Contractual.
2. List all proposed construction below, providing a basis of cost such as engineering estimates, prior construction, etc., and briefly justify its need as it applies to the Statement of Project Objectives.
3. Each budget period is rounded to the nearest dollar.

Overall description of construction activities: Example Only!!! - Build wind turbine platform

SOPO Task #	General Description	Cost	Basis of Cost	Justification of need
Budget Period 1				
Budget Period 1 Total		\$0		
Budget Period 2				
Budget Period 2 Total		\$0		
Budget Period 3				
Budget Period 3 Total		\$0		
Budget Period 4				
Budget Period 4 Total		\$0		
Budget Period 5				
Budget Period 5 Total		\$0		
PROJECT TOTAL		\$0		

Additional Explanation (as needed):

h. Other Direct Costs

INSTRUCTIONS - PLEASE READ!!!

1. Other direct costs are direct cost items required for the project which do not fit clearly into other categories. These direct costs must not be included in the indirect costs (for which the indirect rate is being applied for this project). Examples are: tuition, printing costs, etc. which can be directly charged to the project and are not duplicated in indirect costs (overhead costs).
2. Basis of cost are items such as vendor quotes, prior purchases of similar or like items, published price list, etc.
3. Each budget period is rounded to the nearest dollar.

SOPO Task #	General Description and SOPO Task #	Cost	Basis of Cost	Justification of need
Budget Period 1				
Budget Period 1 Total		\$0		
Budget Period 2				
Budget Period 2 Total		\$0		
Budget Period 3				
Budget Period 3 Total		\$0		
Budget Period 4				
Budget Period 4 Total		\$0		
Budget Period 5				
Budget Period 5 Total		\$0		
PROJECT TOTAL		\$0		

Additional Explanation (as needed):

i. Indirect Costs

INSTRUCTIONS - PLEASE READ

1. Fill out the table below to indicate how your indirect costs are calculated. Use the box below to provide additional explanation regarding your indirect rate calculation.
2. The rates and how they are applied should not be averaged to get one indirect cost percentage. Complex calculations or rates that do not correspond to the below categories should be described/provided in the Additional Explanation section below. If questions exist, consult with your DOE contact before filling out this section.
3. The indirect rate should be applied to both the Federal Share and Recipient Cost Share.
4. Each budget period is rounded to the nearest dollar.

	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total	Explanation of BASE
Provide ONLY Applicable Rates:							
Overhead Rate	0.00%	0.00%	0.00%	0.00%	0.00%		
General & Administrative (G&A)	0.00%	0.00%	0.00%	0.00%	0.00%		
FCCM Rate, if applicable	0.00%	0.00%	0.00%	0.00%	0.00%		
OTHER Indirect Rate	0.00%	0.00%	0.00%	0.00%	0.00%		
Indirect Costs (As Applicable):							
Overhead Costs						\$0	
G&A Costs	\$0	\$0				\$0	
FCCM Costs, if applicable						\$0	
OTHER Indirect Costs						\$0	
Total indirect costs requested:	\$0	\$0	\$0	\$0	\$0	\$0	

A federally approved indirect rate agreement, or rate proposed (supported and agreed upon by DOE for estimating purposes) is required if reimbursement of indirect costs is requested. Please check (X) one of the options below and provide the requested information if it has not already been provided as requested, or has changed.

An indirect rate has been approved or negotiated with a federal government agency. A copy of the latest rate agreement is included with this application, and will be provided electronically to the Contracting Officer for this project.

There is not a current, federally approved rate agreement negotiated and available*.

*When this option is checked, the entity preparing this form shall submit an indirect rate proposal in the format provided by your DOE contact, or a format that provides the same level of information and which will support the rates being proposed for use in performance of the proposed project. Additionally, any non-Federal entity that has never received a negotiated indirect cost rate, except for those non-Federal entities described in Appendix VII to Part 200—States and Local Government and Indian Tribe Indirect Cost Proposals, paragraph D.1.b, may elect to charge a de minimis rate of 10% of modified total direct costs (MTDC) which may be used indefinitely. As described in §200.403 Factors affecting allowability of costs, costs must be consistently charged as either indirect or direct costs, but may not be double charged or inconsistently charged as both. If chosen, this methodology once elected must be used consistently for all Federal awards until such time as a non-Federal entity chooses to negotiate for a rate, which the non-Federal entity may apply to do at any time.

You must provide an explanation (below or in a separate attachment) and show how your indirect cost rate was applied to this budget in order to come up with the indirect costs shown.

Additional Explanation (as needed): *IMPORTANT: Please use this box (or an attachment) to further explain how your total indirect costs were calculated. If the total indirect costs are a cumulative amount of more than one calculation or rate application, the explanation and calculations should identify all rates used, along with the base they were applied to (and how the base was derived), and a total for each (along with grand total).

Cost Share

PLEASE READ!!!

1. A detailed presentation of the cash or cash value of all cost share proposed must be provided in the table below. All items in the chart below must be identified within the applicable cost category tabs a. through i. in addition to the detailed presentation of the cash or cash value of all cost share proposed provided in the table below. Identify the source organization & amount of each cost share item proposed in the award.

2. Cash Cost Share - encompasses all contributions to the project made by the recipient, subrecipient, or third party (an entity that does not have a role in performing the scope of work) for costs incurred and paid for during the project. This includes when an organization pays for personnel, supplies, equipment, etc. for their own company with organizational resources. If the item or service is reimbursed for, it is cash cost share. All cost share items must be necessary to the performance of the project. Any partial donation of goods or services is considered a discount and is not allowable.

3. In Kind Cost Share - encompasses all contributions to the project made by the recipient, subrecipient, or third party (an entity that does not have a role in performing the scope of work) where a value of the contribution can be readily determined, verified and justified but where no actual cash is transacted in securing the good or service comprising the contribution. In Kind cost share items include volunteer personnel hours, the donation of space or use of equipment, etc. The cash value and calculations thereof for all In Kind cost share items must be justified and explained in the Cost Share Item section below. All cost share items must be necessary to the performance of the project. If questions exist, consult your DOE contact before filling out In Kind cost share in this section. Vendors may not provide cost share. Any partial donation of goods or services is considered a discount and is not allowable.

4. Funds from other Federal sources MAY NOT be counted as cost share. This prohibition includes FFRDC sub-recipients. Non-Federal sources include any source not originally derived from Federal funds. Cost sharing commitment letters from subrecipients and third parties must be provided with the original application.

5. Fee or profit, including foregone fee or profit, are not allowable as project costs (including cost share) under any resulting award. The project may only incur those costs that are allowable and allocable to the project (including cost share) as determined in accordance with the applicable cost principles prescribed in FAR Part 31 for For-Profit entities and 2 CFR Part 200 Subpart E - Cost Principles for all other non-federal entities.

6. NOTE: A Recipient who elects to employ the 10% de minimis Indirect Cost rate cannot claim the resulting indirect costs as a Cost Share contribution. 7. NOTE: A Recipient cannot claim "unrecovered indirect costs" as a Cost Share contribution, without prior approval.

8. Each budget period is rounded to the nearest dollar.

Organization/Source	Type (Cash or In Kind)	Cost Share Item	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total Project Cost Share
ABC Company	Cash	Project partner ABC Company will provide 20 PV modules for product development at the price of \$680 per module	\$13,600					\$13,600



(b) (4)

Additional Explanation (as needed):

Applicant Name: Holy Cross Energy Award Number: DE-FOA-0002740

Budget Information - Non Construction Programs

OMB Approval No. 0348-0044

Section A - Budget Summary							
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget			
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)		Total (g)
1. Budget Period 1		(b) (4)					
2. Budget Period 2							
3. Budget Period 3							
4. Budget Period 4							
5. Budget Period 5							
6. Totals				\$99,328,430	\$45,762,816		\$145,091,245

Section B - Budget Categories							
6. Object Class Categories	Grant Program, Function or Activity					Total (5)	
	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5		
a. Personnel	(b) (4)						
b. Fringe Benefits							
c. Travel							
d. Equipment							
e. Supplies							
f. Contractual							
g. Construction							
h. Other							
i. Total Direct Charges (sum of 6a-6h)							
j. Indirect Charges							
k. Totals (sum of 6i-6j)						\$145,091,246	
7. Program Income							

Other Attachment File(s)

* Mandatory Other Attachment Filename:

[Add Mandatory Other Attachment](#)

[Delete Mandatory Other Attachment](#)

[View Mandatory Other Attachment](#)

To add more "Other Attachment" attachments, please use the attachment buttons below.

[Add Optional Other Attachment](#)

[Delete Optional Other Attachment](#)

[View Optional Other Attachment](#)

Project/Performance Site Location(s)

Project/Performance Site Primary Location I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

* Street1:

Street2:

* City: County:

* State:

Province:

* Country:

* ZIP / Postal Code: * Project/ Performance Site Congressional District:

Project/Performance Site Location 1 I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

* Street1:

Street2:

* City: County:

* State:

Province:

* Country:

* ZIP / Postal Code: * Project/ Performance Site Congressional District:

Additional Location(s)

Application for Federal Assistance SF-424

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
--	--	--

* 3. Date Received: <input type="text" value="04/04/2023"/>	4. Applicant Identifier: <input type="text"/>
--	--

5a. Federal Entity Identifier: <input type="text"/>	5b. Federal Award Identifier: <input type="text"/>
--	---

State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text" value="CO"/>
---	--

8. APPLICANT INFORMATION:

* a. Legal Name: <input type="text" value="Holy Cross Electric Association, Inc."/>	
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="84-0229176"/>	* c. UEI: <input type="text" value="JLYWB5VXQX85"/>

d. Address:

* Street1:	<input type="text" value="3799 Highway 82"/>
Street2:	<input type="text" value="P.O. Box 2150"/>
* City:	<input type="text" value="Glenwood Springs"/>
County/Parish:	<input type="text"/>
* State:	<input type="text" value="CO: Colorado"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="81602-2150"/>

e. Organizational Unit:

Department Name: <input type="text"/>	Division Name: <input type="text"/>
--	--

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Dr."/>	* First Name: <input type="text" value="Bryan"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Hannegan"/>	
Suffix: <input type="text"/>	
Title: <input type="text" value="President and Chief Executive Officer"/>	
Organizational Affiliation: <input type="text"/>	
* Telephone Number: <input type="text" value="970-947-5402"/>	Fax Number: <input type="text" value="970-945-4081"/>
* Email: <input type="text" value="bhannegan@holycross.com"/>	

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

N: Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

National Energy Technology Laboratory

11. Catalog of Federal Domestic Assistance Number:

81.254

CFDA Title:

Grid Infrastructure Deployment and Resilience

*** 12. Funding Opportunity Number:**

DE-FOA-0002740

* Title:

BIL Grid Resilience and Innovation Partnerships (GRIP)

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Wildfire Assessment and Resilience for Networks (WARN)

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="99,328,430.00"/>
* b. Applicant	<input type="text" value="45,762,816.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="145,091,246.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number:

Fax Number:

* Email:

* Signature of Authorized Representative:

* Date Signed:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2025

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Program	(b) (4)	\$ 0.00	\$ 0.00	\$ 99,328,430.00	\$ 45,762,816.00	\$ 145,091,246.00
2.						
3.						
4.						
5. Totals		\$ 0.00	\$ 0.00	\$ 99,328,430.00	\$ 45,762,816.00	\$ 145,091,246.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Program	(2)	(3)	(4)	
a. Personnel	\$ (b) (4)	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)					\$
j. Indirect Charges					\$
k. TOTALS (sum of 6i and 6j)	\$ 145,091,247.00	\$	\$	\$	\$ 145,091,247.00
7. Program Income	\$ (b) (4)	\$	\$	\$	\$

Authorized for Local Reproduction

Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 1A

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8. Program	\$ (b) (4)	\$	\$	\$
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	\$ (b) (4)	\$	\$	\$

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ (b) (4)	\$	\$	\$	\$
14. Non-Federal	\$	\$	\$	\$	\$
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. Program	\$ (b) (4)	\$	\$	\$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	\$ (b) (4)	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: (b) (4)	22. Indirect Charges: (b) (4)
23. Remarks:	

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: Holy Cross Electric Association, Inc.

* Street 1: 3799 Highway 82 Street 2: _____

* City: Glenwood Springs State: _____ Zip: 81602

Congressional District, if known: CO-3

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

6. * Federal Department/Agency: U.S. Department of Energy	7. * Federal Program Name/Description: Grid Infrastructure Deployment and Resilience
	CFDA Number, if applicable: 81.254

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____
---	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name N/A Middle Name _____

* Last Name N/A Suffix _____

* Street 1 N/A Street 2 _____

* City N/A State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name N/A Middle Name _____

* Last Name N/A Suffix _____

* Street 1 N/A Street 2 _____

* City N/A State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Bryan J Hannegan

* Name: Prefix Dr. * First Name Bryan Middle Name _____
* Last Name Hannegan Suffix _____

Title: President and Chief Executive Officer Telephone No.: 970-947-5402 Date: 04/04/2023

Federal Use Only: _____ **Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)**

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

Project Title: Wildfire Assessment and Resilience for Networks (WARN)

FOA Topic Area 1 - Grid Resilience Grants

Project Location(s): Glenwood Springs, CO

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)

Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740

Assistance Listing Number: 81.254

Technical Volume

Technical Point of Contact	Business Point of Contact
(b) (4)	Name: Dr. Bryan Hannegan
(b) (4)	E-mail: bhannegan@holycross.com
(b) (4)	Phone: 970-947-5402
(b) (4)	Address: Holy Cross Energy 3799 Hwy 82, P.O. Box 2150 Glenwood Springs, CO 81602

Collaborating Participants

(b) (4)

[Large redacted area containing names and details of collaborating participants]

Confidentiality Statement: Pages [2-25] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].

1. Project Overview

1.1. Background

Wildfires in the United States are becoming more intense. In many fire-prone areas, wildfire seasons are growing longer and average wildfire sizes are increasing. At the same time, wildfires are occurring in areas that have not faced significant risk in the past. Over 775,000 homes in the US are at “extreme” risk of wildfire – equivalent to a value of over \$200 billion. Utility-ignited wildfires are disproportionately contributing to this crisis. These utility-ignited wildfires do destroy utility equipment, however, they can have a devastating direct impact though loss of property, natural resources, and cultural resources. Several studies have found that fires ignited by electric power systems result in more property damage^{1,2} and have been responsible for the most consequential fires in recent US history.³

Rural electric co-ops in particular are exposed to wildfire risk, as they cover far more land (56%)⁴ than larger distribution utilities and they typically have far fewer resources to devote to sophisticated cost/risk reduction analysis. At the same time, rural electric co-ops are inherently more engaged stewards of their communities’ safety, as they are owned by the members they serve and are managed through the democratic control of their members

Electric power infrastructure is often co-located, and the electric distribution powerlines of a rural co-op may be located very near to high-voltage regional electric transmission lines. In these situations, wildfires ignited by or near rural co-op electric grids can impact these transmission lines. Reducing the likelihood of utility-ignited wildfires by the co-op’s distribution grid improves regional electricity resilience, in addition to lowering the probability of local losses of human lives, property, and natural and cultural resources.

Holy Cross Energy (HCE or the “Applicant”), in conjunction with (b) (4), is proposing a wildfire mitigation project with a consortium of 39 small, rural, not-for-profit electric co-ops in high-threat areas (Figure 1). The Wildfire Assessment and Resilience for Networks (“WARN” or “the Project”) will enable co-op consortium members to harden their networks with existing methods and by deploying advanced technologies to eliminate utility-ignited wildfires and better survive wildfires of all causes. WARN will advance the approach to wildfire resilience by providing co-op
(b) (4)

¹ Collins, Kathryn & Penman, Trent & Price, Owen. (2016). Some Wildfire Ignition Causes Pose More Risk of Destroying Houses than Others. PloS one. 11. e0162083. 10.1371/journal.pone.0162083.

² Huston, Carolyn; Dunstall, Simon; Towns, Gary; Stephenson, Alec; Woodman, Stuart; Hunt, Ashley. Assessing the role of electricity networks in bushfire ignitions: estimation of current and prospective performance. In: Seth Westra, Anthony Kiem and Doerte Jakob, editor/s. Modsim; Gold Coast. MSSANZ; 2015. 1510-1516. <http://hdl.handle.net/102.100.100/91363?index=1>

³ Top 20 Most Destructive California Wildfires

⁴ <https://www.electric.coop/electric-cooperative-fact-sheet>

(b) (4)

As the lead organization supporting a consortium of utilities, HCE, in conjunction with (b) (4) is enabling the participation of many smaller co-ops that would otherwise not be able to execute projects at DOE's minimum funding size. HCE believes this consortium-based approach is the most effective way to ensure Federal resources reach rural communities. HCE has significant experience managing utility-centric development and demonstration projects, (b) (4) Primarily located in a dry continental steppe climate, approximately 45% of the population in the counties served by HCE lives in an area classified as "moderate" or "high" Wildland-Urban Interface (WUI) Risk Index. Over the last three years (b) (4) demonstrating that they are more than capable of executing the Project.

Current Baseline: (b) (4)

Several major utilities have methods for developing wildfire mitigation plans (WMPs) for their transmission and distribution grids^{5,6,7,8} and deployment plans for advanced monitoring and operations technologies. As currently implemented, *these methods are not useable in the rural co-op environment*. The modeling, simulation, and data needs for wildfire predictions mitigation planning are too burdensome and costly. The much smaller co-op workforce does not have the resources to develop these methods on their own or the understanding of how a wildfire ignited by their distribution system may impact the resilience of the regional transmission system.

1.2. Project Goals

Baseline Design Practices Improvement: Target—The (b) (4) of at least half of our co-ops that are under persistent threat of large-scale wildfires. Success Factors—1) Development of WARN (WBS 3.0) results in a low-cost, easy-to-use (b) (4) 2) Community outreach (WBS 2.0) and connection to the North American Energy Resilience Model (NAERM)⁹

⁵ D. A. Z. Vazquez, F. Qiu, N. Fan and K. Sharp, "Wildfire Mitigation Plans in Power Systems: A Literature Review," in IEEE Transactions on Power Systems, vol. 37, no. 5, pp. 3540-3551, Sept. 2022, doi: 10.1109/TPWRS.2022.3142086.

⁶ Southern California Edison 2020-2022 Wildfire Mitigation Plan

<https://www.sce.com/sites/default/files/AEM/Wildfire%20Mitigation%20Plan/SCE's%202020-2022%20Wildfire%20Mitigation%20Plan%20-%20Revision%2003.pdf>

⁷ SDG&E 2020-2022 Wildfire Mitigation Plan Update

<https://www.sdge.com/sites/default/files/regulatory/SDG%26E%202022%20WMP%20Update%2002-11-2022.pdf>

⁸ PG&E 2022 Wildfire Mitigation Plan Update https://www.pge.com/pge_global/common/pdfs/safety/emergency-preparedness/natural-disaster/wildfires/wildfire-mitigation-plan/2022-Wildfire-Safety-Plan-Update.pdf

⁹ <https://www.energy.gov/oe/north-american-energy-resilience-model-naerm>

(WBS 3.0) result in (b) (4)

3) Understanding of advanced technologies (WBS 5.0) can be

Baseline Infrastructure Improvement: Target—For the upgraded grid sections in our (b) (4) subprojects, we are targeting a 100X reduction in the likelihood of utility-ignited wildfires and catastrophic loss property and human life. Success Factors—1) (b) (4)

2) Community outreach (WBS 2.0) will provide the co-ops with a deeper understanding of the community concerns and lead to improved prioritization of future wildfire mitigation projects. 3) (b) (4)

4) Our (b) (4) (WBS 6.0) will ensure that the co-ops have the personnel for this upgrade project and future projects.

1.3. DOE Impact

Near-Term Distribution Resilience: DOE funding will enable small, rural electric co-ops (with limited access to capital for transformative projects) in regions of high wildfire risk to complete high-priority grid upgrade subprojects to decrease the likelihood of catastrophic damages to property and community, natural, and cultural resources. (b) (4)

Near-Term Impact on Regional Transmission Resilience: DOE funding enables the (b) (4) from DOE's North American Energy Resilience Model (NAERM).⁴ Using these (b) (4) will see the potential regional consequences of a wildfire ignited by their local distribution system, (b) (4)

Longer-Term Private Investment: DOE funding enables our ambitious WARN consortium and the development of (b) (4)

The consortium's diverse environmental and electric grid settings and many different approaches and technologies will ensure applicability to most co-ops. (b) (4)

Technology Risk Reduction: Each of the consortium member subprojects will help de-risk promising transmission and distribution technologies across DOE's specified eligible use cases, including (but not limited to) (b) (4)

(b) (4)

1.4. Community Benefits Plan: Job Quality and Equity

1.4.1. Benefits to the Local Community and Disadvantaged Communities

WARN's (b) (4) co-op subprojects have consistent grid performance goals. Each project will reduce the likelihood of utility-ignited wildfires and improve the survivability during and following all wildfires, i.e. avoid long-term (resilience) and short-term (reliability) outages. Achieving these goals will yield benefits to the local community, DACs, and regional resilience by reducing the impacts of asset loss (due to wildfire) and extend electric outages to:

- Remote, isolated and vulnerable communities that rely on electricity for heating, cooling, and food refrigeration (14/39);
- Local water supply infrastructure (via outages) for drinking, irrigation, industrial use, and fire protection; or to the watershed itself (via wildfire) (15/39);
- Telecommunications for critical emergency services to connect remote communities (9/39);
- Energy production, processing, and transmission facilities (natural gas, petroleum, and electricity) (8/39);
- Emergency and government services (7/39);
- Community food supply and/or food production (7/39);
- Transportation fuel supply or critical infrastructure (3/39);
- Sensitive tribal and national cultural resources (4/39);
- Tourism critical to supporting the economy of the local community (3/39);

Each of the (b) (4) (WBS 2.1) composed of

1.4.2. Plan to Attract, Train, and Retain a Skilled Labor Workforce

(b) (4)

(WBS 6.0) – designed in conjunction with

¹⁰

(b) (4)

(b) (4) with a focus on diversity and equity – will expand on and diversify these existing programs. (b) (4)

1.4.3. Long-Term Constraints on Natural Resources

Each consortium subproject has been evaluated for potential long-term constraints it will have on a community's access to natural resources and Tribal cultural resources. None of the proposed projects will impose long-term constraints on these resources. The disclosure of environmental risk for each subproject is detailed in the provided environmental questionnaires.

1.4.4. Climate Resilience Strategy

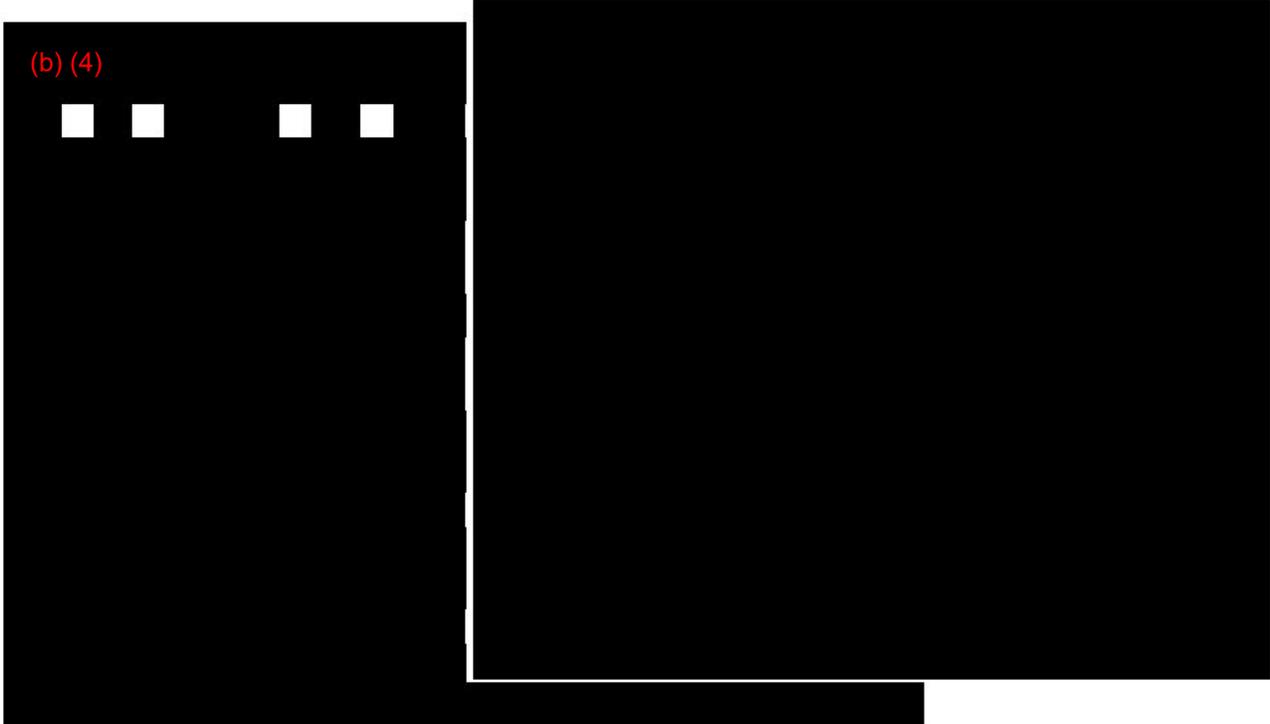
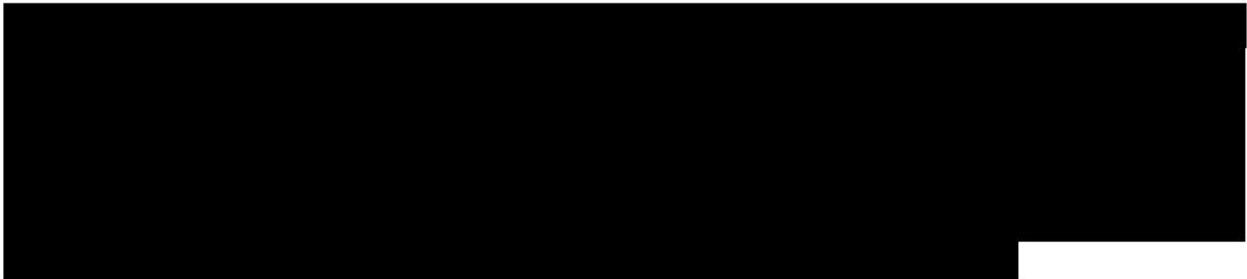
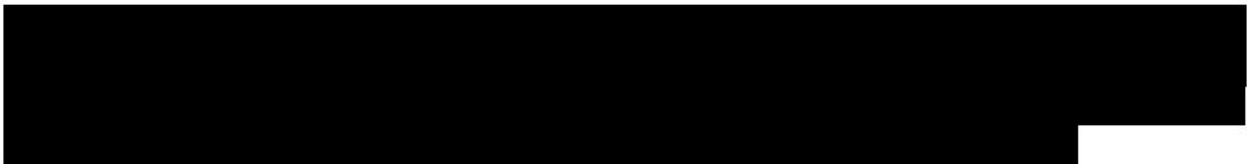
(b) (4)

2. Technical Description, Innovation, and Impact

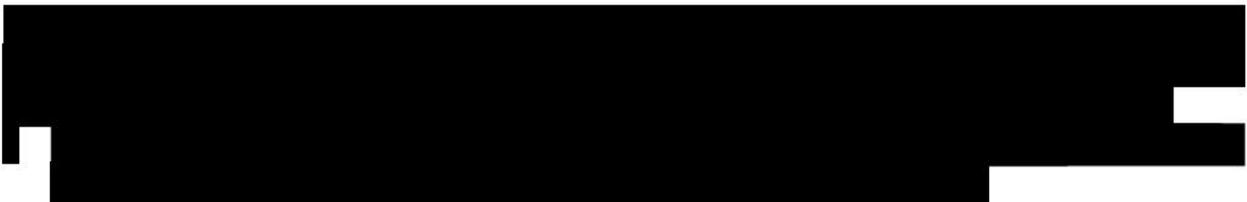
2.1. Relevance and Outcomes

Detailed Description: The (b) (4)

(b) (4)

A large rectangular area of the document is completely redacted with a solid black fill. In the top-left corner of this redacted area, the text "(b) (4)" is written in red. Below the text, there are four small white squares arranged horizontally, which appear to be bullet points or markers for a list that has been obscured by the redaction.A horizontal rectangular area of the document is completely redacted with a solid black fill.A horizontal rectangular area of the document is completely redacted with a solid black fill.

Relevance: Figure 2 shows a summary of the WARN co-ops projects and the DOE-specified eligible measures the project initially plans on incorporating. (b) (4)

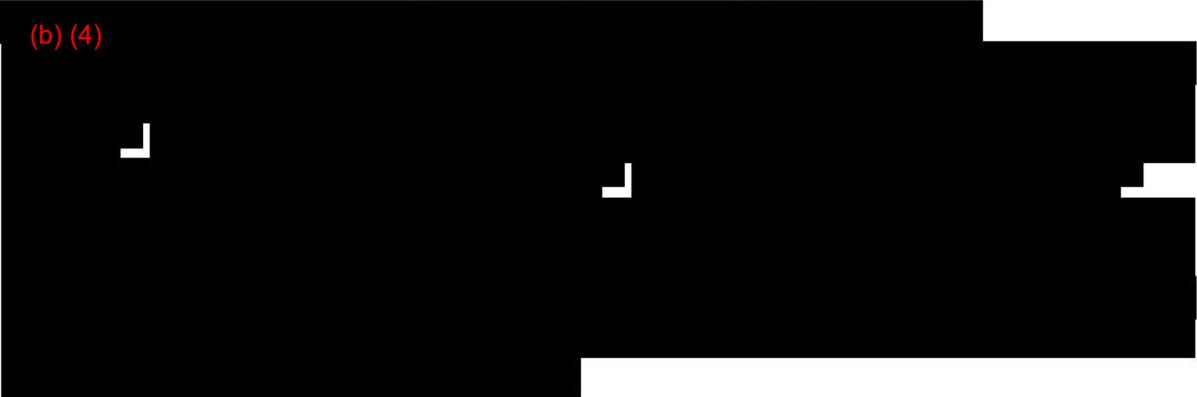
A horizontal rectangular area of the document is completely redacted with a solid black fill.A large rectangular area of the document is completely redacted with a solid black fill.

(b) (4)



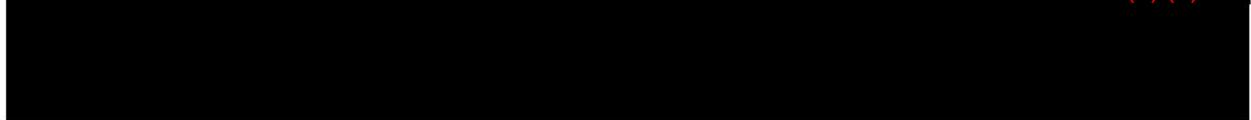
To maximize the resilience benefit per dollar spent, to co-op project focus on the intersection

(b) (4)



Outcomes: Small, rural electric co-ops in areas of high wildfire risk will rapidly increase resiliency and decrease the likelihood of utility-ignited wildfires and survivability to wildfires of all types. The increased grid resiliency will decrease potential catastrophic loss of property and natural, cultural, and community resources.

The (b) (4) will lead to a more effective use of government and private funding to mitigate wildfire risk and reduce the potential losses by the community. (b) (4)

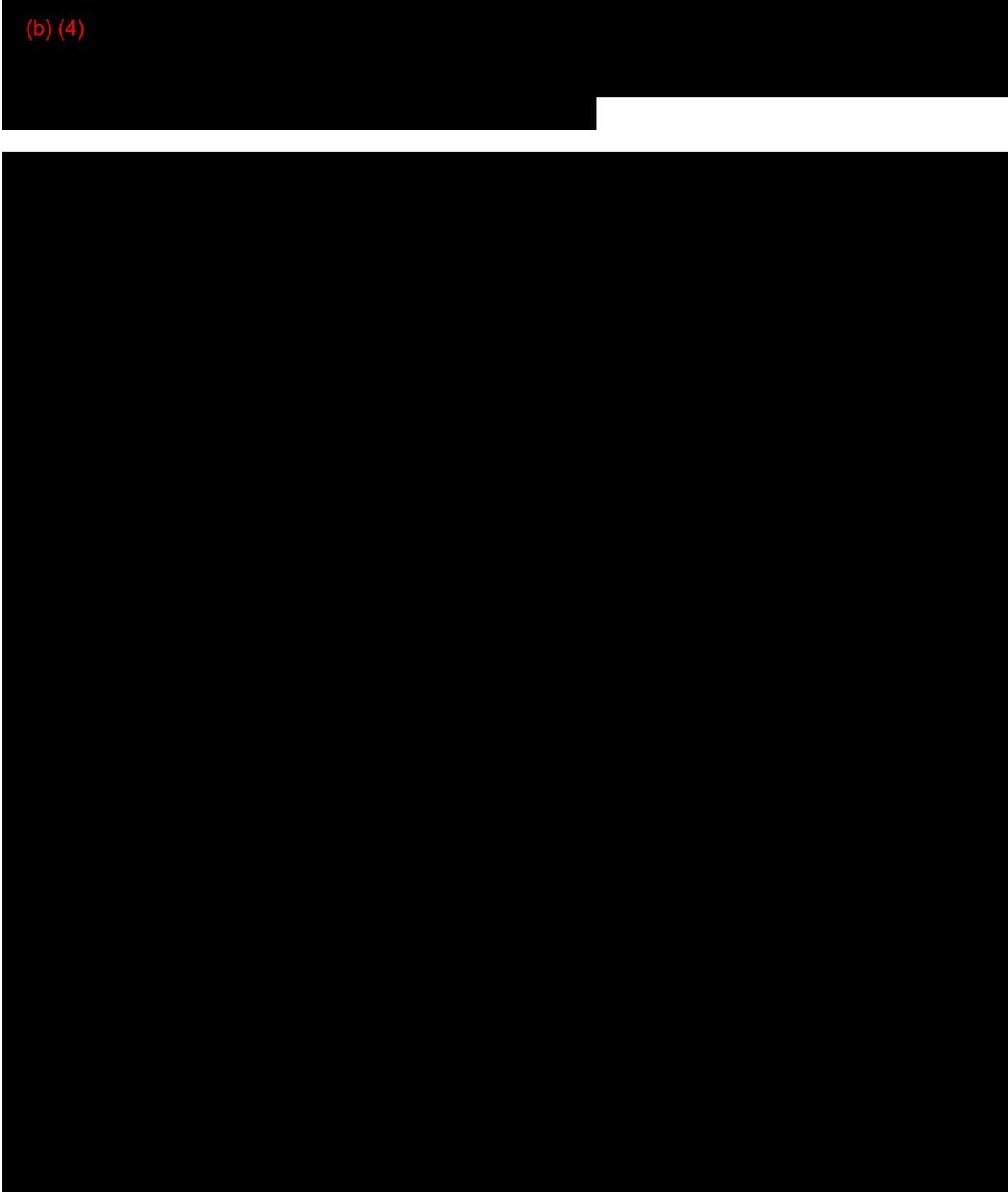


¹¹ Over the last three years. Developed from local information sources at the cooperatives

(b) (4)



(b) (4)



2.2. Feasibility

Co-op Subprojects (WBS 4.0): A survey of the WARN co-ops shows that (b) (4) have executed projects of similar size and complexity in the past. Although (b) (4) co-ops will be utilizing technologies that are new to *that* co-op, however, there is enough experience in the co-op and supplier communities that these technologies do not affect project feasibility (b) (4)

(b) (4)

WMP/WARN Development (WBS 3.0):

Right-Of-Way Access: Only (b) (4) WARN projects need minor right-of-way modifications (see Section 1.4.3), while (b) (4) projects utilize existing right of ways with no modification.

Infrastructure Use & Access: All electric infrastructure needed to complete WARN's projects is already owned by the co-ops. Physical access is already available on a regular basis. Where access is limited by terrain or environmental concerns, the electric infrastructure is being relocated as part of the resilience project. No other infrastructure access is needed to complete the projects.

Skilled Workforce: Our consortium has executed more than (b) (4) over the past 3 years—a far larger demand on the workforce than will be created by those funded under this proposal. See Section 3.9.5 for further discussion of workforce availability.

2.3. Innovation and Impacts

Planning, Modeling, and Cost Allocation: The methods recently developed by major utilities^{6,7,8} for assessing wildfire risk and developing technological and operational mitigations are *not useable in the rural co-op environment*. The modeling, simulation, and data needs for wildfire predictions mitigation planning are too burdensome and costly. The much smaller co-op workforce does not have the resources to develop these methods on their own, or the time to devote to sophisticated cost/risk-reduction analysis. (b) (4)

Support of Existing Resilience Plans: Of our (b) (4) WARN co-op projects, (b) (4) are already aligned with or support one or more resilience plans. These include: 3 federal plans, 19 state plans, 5 local/county plans, 1 tribal plan, and 7 co-op plans. (b) (4)

Scale Up: Outside of the WARN project, we will make the WARN assessment tool available to the other nearly (b) (4) and promote its capabilities in (b) (4) training events. This wide

(b) (4)

dissemination of WARN will enable all co-ops to assess their wildfire ignition potential and their risk of damaging property and natural and community resources. It will enable them to make informed decisions about where to invest private funds into wildfire mitigation and what technologies are the most cost effective.

3. Workplan

Buy America Requirements--Projects in the WARN Consortium will involve the construction, alteration, maintenance and/or repair of public infrastructure in the United States.

3.1. Project Objectives

Objective #1: Fundamental shift in co-ops' grid design process: Introducing the WARN co-ops and communities to wildfire-aware thinking will create a fundamental shift in their grid design processes. This shift will be supported by two keys efforts that will lead to repeatable solutions at these and other co-ops and small utilities: 1) (b) (4)

[Redacted]

Objective #2: Drastic reduction in wildfire risk and catastrophic loss: (b) (4) an immediate reduction in the likelihood of utility-ignited wildfires and potential losses of property and natural, community, and cultural resources at co-ops in high wildfire risk zones.

Objective #3: DAC participation in co-op workforce: (b) (4)

3.2. Technical Scope Summary

3.2.1. Performance Period 1 (months 1-12) (Q1-Q4)

(b) (4)

3.2.2. Performance Period 2 (months 13-24) (Q5-Q8)

(b) (4)

3.2.3. Performance Period 3 (months 25-36) (Q9-Q12)

(b) (4)

3.2.4. Performance Period 4 (months 37-48) (Q13-Q16)

(b) (4)

3.2.5. Performance Period 5 (months 49-60) (Q17-Q20)

(b) (4)

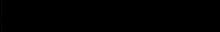
3.3. Work Breakdown Structure (WBS) and Task Description Summary

Task 1. Project Management

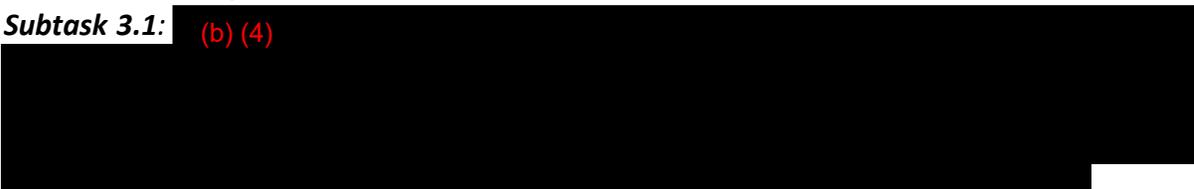
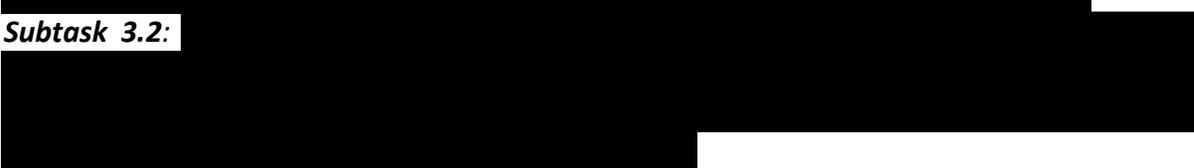
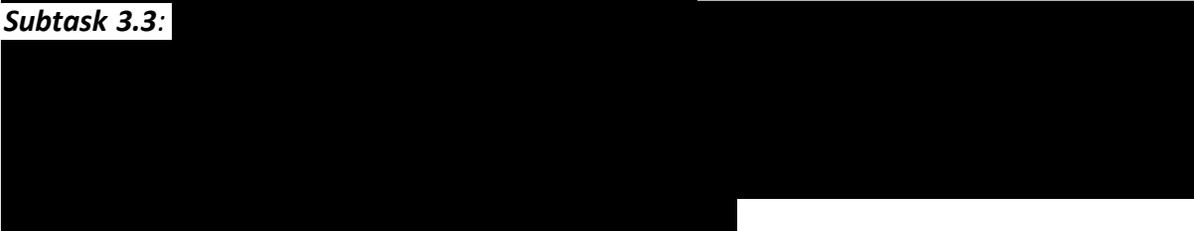
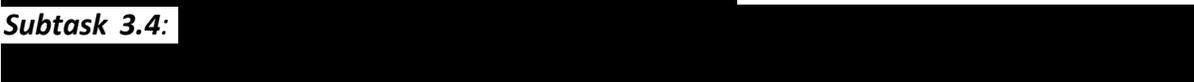
- **Subtask 1.1:** (b) (4)
- **Subtask 1.2: National Environmental Policy Act (NEPA) Compliance**—As required, HCE and NRECA Research will provide the documentation necessary for NEPA compliance.
- **Subtask 1.3: Kickoff Meeting**—(b) (4) convene a virtual kickoff meeting of all project participants to update and review roles and responsibilities of each team members; the community engagement, workforce development, and community benefits planning and processes; and the project timeline, tasks, and reporting requirements.
- **Subtask 1.4: Annual Continuation Briefings and Reports**—(b) (4)

Task 2. Community Engagement

- **Subtask 2.1: Outreach and Community Partnership Team Creation**— (b) (4)

- **Subtask 2.2: Conceptual Plan Engagement**—  creates an engagement facilitation template. Each co-op uses this template in meetings with their CPT to discuss the potential impacts of a utility-ignited wildfire (assessed by WMP in 4.2), present their Conceptual Grid Upgrade (from 4.1), and discuss the expected reduction in risk of impacts (assessed by WMP in 4.2). During this meeting and through post-meeting follow up, the CPT can ask questions about the conceptual plan and its potential impacts and provide suggestions on how the plan could be modified to better serve the local community.
- **Subtask 2.3: Conceptual Plan Report**— Each CPT generates a Conceptual Plan Report (CPR) to document their assessment of the conceptual upgrade plan, discuss potential benefits and impacts to the community, raise additional community-based considerations and benefits, and pose potential modifications to the plan to enhance community benefits. NRECA Research develops a CPR template to simplify and standardize the collection of data.
- **Subtask 2.4: Community Updates/Benefits Validation**— Each electric co-op holds community outreach meetings at key stages relevant for each co-op’s timeline and community needs (e.g., pre-construction, pre-operations, and post-operations). The co-ops update the community on project progress; the status of issues raised in the Upgrade Plan Reports (2.3); and community benefits including apprenticeships, internships, and education opportunities.

Task 3. WARN Development

- **Subtask 3.1:** (b) (4)

- **Subtask 3.2:**

- **Subtask 3.3:**

- **Subtask 3.4:**


(b) (4)

- **Subtask 3.5:**

- **Subtask 3.6:**

- **Subtask 3.7:**

Task 4. Grid Upgrade Planning, Construction & Operations

- **Subtask 4.1:** (b) (4)

- **Subtask 4.2:**

- **Subtask 4.3:**

- **Subtask 4.4:**

- **Subtask 4.5:**

- **Subtask 4.6: Construction—**

(b) (4)

- **Subtask 4.7:**

- **Subtask 4.8:**

Task 5. Technology Education & Connections

- **Subtask 5.1: Advanced Technology Sessions**

(b) (4)

- **Subtask 5.2: Subproject Cohort Creation—**

- **Subtask 5.3:**

- **Subtask 5.4: Lessons Learned Meetings/Dissemination—**During the last three years of the project, (b) (4) organizes annual meetings to disseminate lessons learned and best practices from the co-op cohorts. The anticipated emphasis of the meetings are: (b) (4)

Each meeting produces a summary report and educational materials to further disseminate lessons learned, best practices, and applications of advanced technologies.

Task 6. Workforce Development

- **Subtask 6.1: Near-Term Workforce**

(b) (4)

- **Subtask 6.2: Workforce Pipeline Development**

(b) (4)

Task 7. Diversity, Equity, Inclusion & Accessibility

- **Subtask 7.1:** (b) (4)

- **Subtask 7.2:**

- **Subtask 7.3: M**

- **Subtask 7.3:**

3.4. End of Project Goals

Our end-of-project goals relative to our objectives in Section 3.1 are:

Objective #1: Fundamental change in co-ops' grid design process. Goal— (b) (4)

(b) (4) the reduction of expected direct impacts (loss of property and natural, cultural, and community resources) from utility-ignited wildfires a becomes central component of the electric grid design process of at least half of (b) (4) ops that are under high wildfire risk.

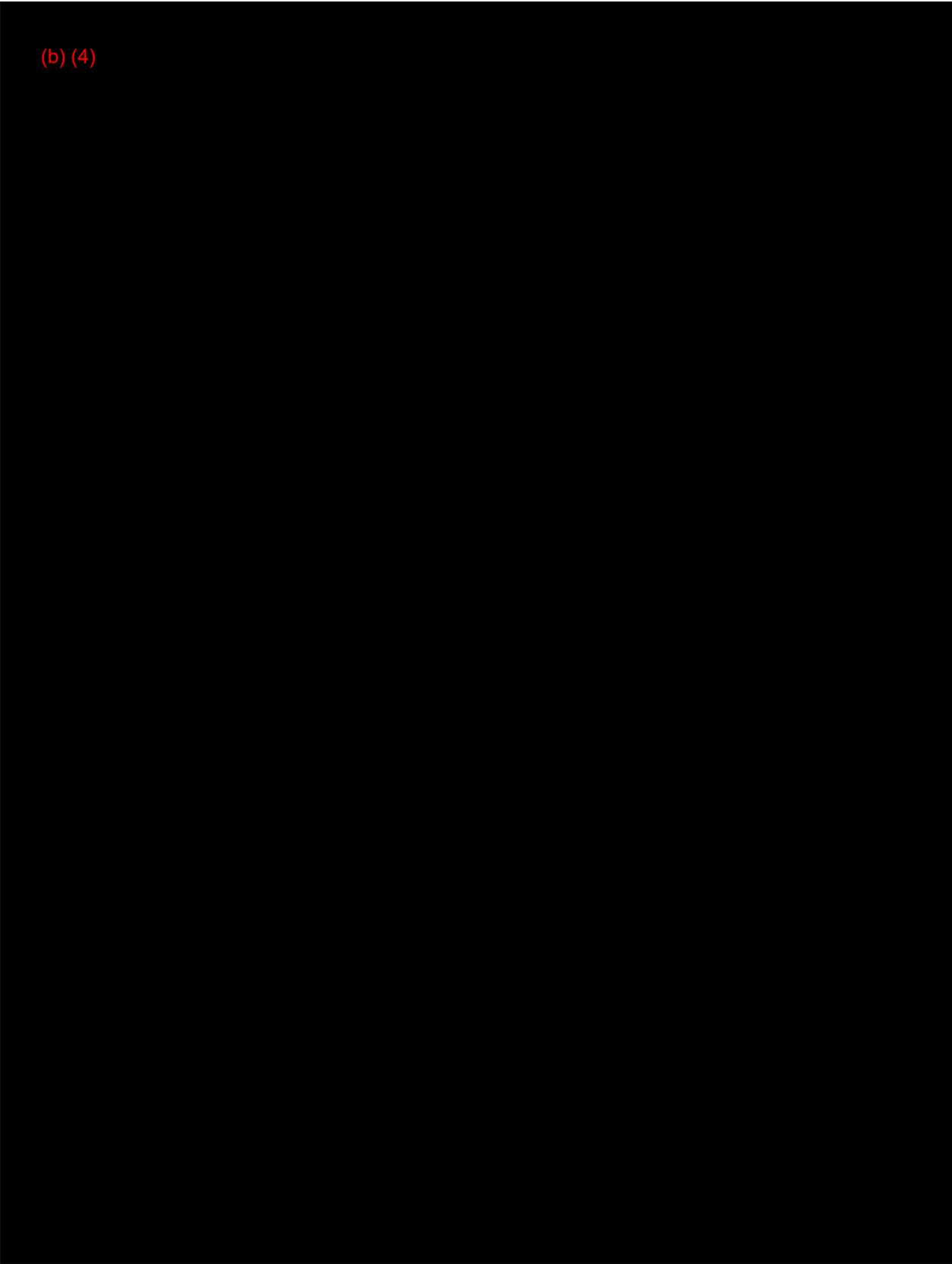
Objective #2: Drastic reduction in wildfire risk and catastrophic loss: Goal—For the upgraded grid sections in our subprojects, a target of 100X reduction in the likelihood of utility-ignited wildfires and a target of 100X reduction in the likelihood of catastrophic loss property and human life—for today's climate and climate projected at the end of the equipment life. In addition, the cost of each subproject is clearly justified by these expected avoided losses and impacts.

Objective #3: DAC participation in co-op workforce development: Goal—At least 25 apprentice and/or internship positions filled from the co-ops' local DAC populations. At least 15 fulltime permanent staff are added among the (b) (4) co-op partners from the local communities in their service territories, and DEIA objectives for these hires are met. Technical training capacity developed through WARN will continue past the period of performance.

3.5. Milestone Summary

(b) (4)

(b) (4)



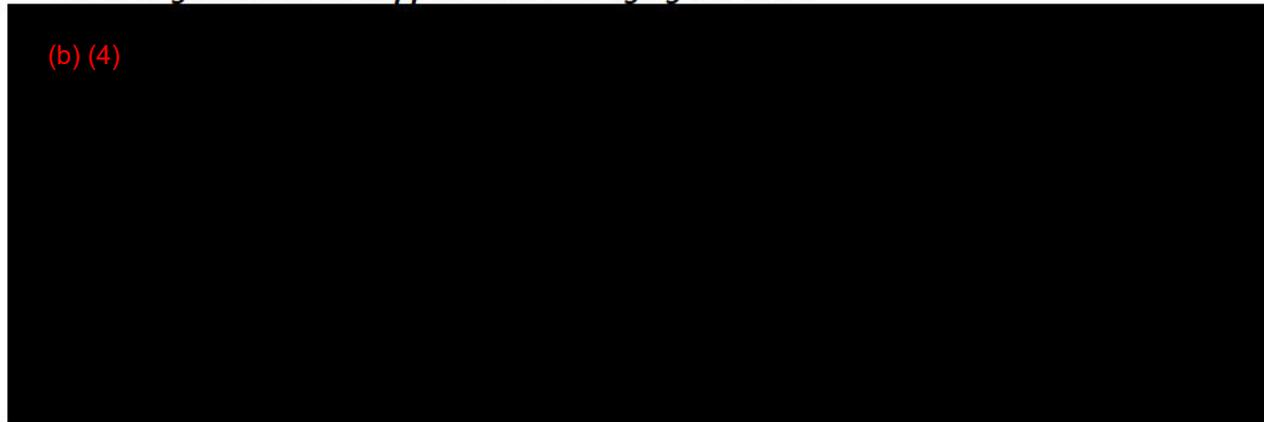
(b) (4)

3.6. Project Schedule

(b) (4)

3.7. Project Management

3.7.1. Organization and Approach to Managing the Work



The organizational chart for this project is shown in Figure 3. Holy Cross Energy is the Principal Investigator and is primarily responsible for the overall project management and for executing its own subproject. Each electric co-op subproject reports directly to (b) (4) which then reports to HCE and supports HCE in their project management function. (b) (4) is responsible for and manages several subcontractors that provide key team functions (see roles below). (b) (4) will track their budgets and progress.

3.9.2. Roles of Project Team Members and Time Commitments

Figure 4 shows the time commitments for key personnel in each WARN contributor.

Holy Cross Energy, led by CEO and President Dr. Bryan Hannegan, is the Principal Investigator (PI). As the lead organization, HCE is responsible for approving the technical direction and technical decision-making processes; the overall project organization including: distribution and tracking of subrecipient budgets, leading communications between the team members, and maintaining and updating the project schedule; aggregating quarterly and annual updates from the subrecipients and developing reports for review by DOE.

(b) (4), each with engineering and business leads, develop engineering plans for wildfire risk mitigation, assess and improve those plans using the WARN tool, and lead engagement with the local community, business, and government organizations to ensure those plans are aligned with their needs and the goals of the overall GRIP Program. Each co-op executes all aspects of the upgrade projects from site

Organization	Personnel	Time Commitment
(b) (4)		15%
		50%
		15%
		20%
		20%
		15% each
		25%
		10%
		25%
		25%
		20%
		60%
		45%
		45%
	100%	

Figure 5. Time Commitments

preparation to final testing. Each co-op collects and report engineering, construction, and operational data to (b) (4) to support WARN tool development. The co-ops participate in project conferences on lessons learned. Each co-op implements a workforce development program using DEIA principles as codeveloped with (b) (4).

(b) (4)



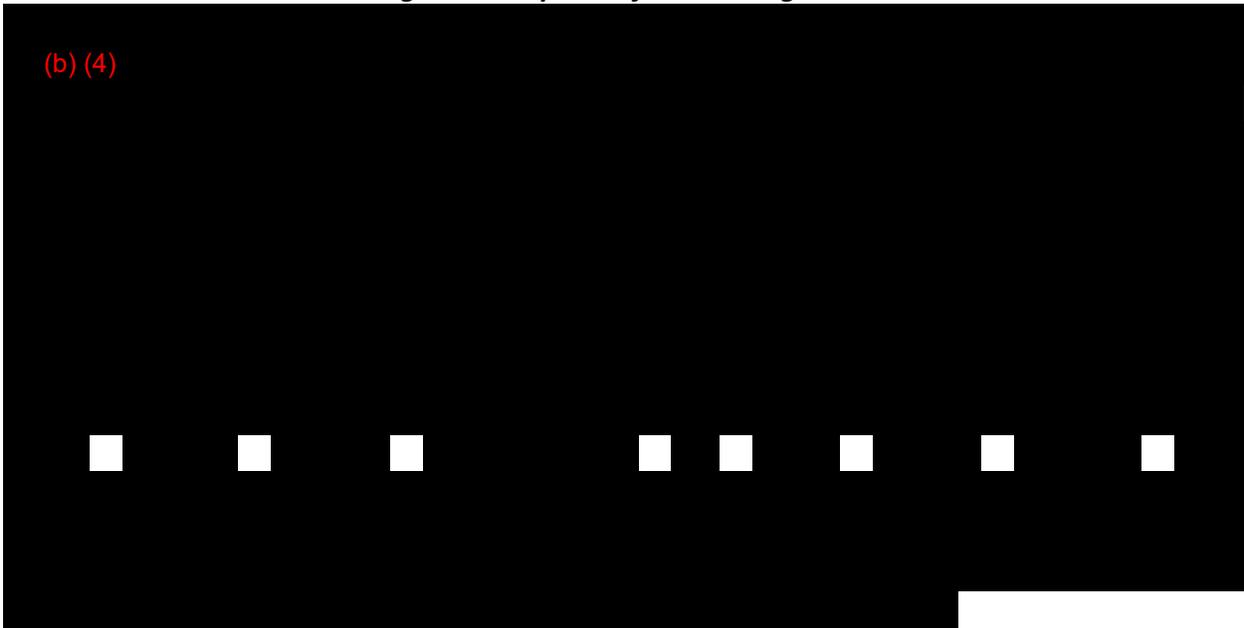
3.7.3. Critical Handoffs/Interdependencies among Project Team Members

Community Engagement: Engagement between the electric co-ops and their local community, businesses, and government is key if grid upgrade plans are to contribute to local resilience and the wellbeing of the co-ops' DACs. We have included a specific task (WBS 2.0, led by NRECA Research) that creates a CPT to promote and facilitate effective engagement.

WMP/WARN Development and Training: (b) (4)
(b) (4), which is key for the technical assessment of the co-op grid upgrade plans and the inclusion of community benefits. (b) (4)

WMP/WARN Development and Training: (b) (4) will collaborate with (b) (4) and curriculum that will be required for all the electric co-ops. The training will be available live and recorded. (b) (4) technical staff will provide WARN support services.

3.7.4. Technical and Management Aspects of the Management Plan



3.7.5. Approach to Project Risk Management and Handling Project Changes

Project Change Control will be handled at two levels in WARN. Changes to the co-ops' subprojects will originate at the co-op, which will assess the impact of potential changes to its scope, schedule, and budget using existing internal processes. They will use WARN to assess impacts to the subproject's technical performance. The changes will also be reviewed by (b) (4) and HCE (PI) to ensure compliance with the overall project budget, objectives, and schedule.

Risk Management: The large inventory of successfully completed projects in the WARN Report on Resilience Investments (RORI) provides confidence that the residual risk for co-op execution of their WARN subproject is minimal, however, a few areas of residual risk and mitigation include: *Qualified workforce*: The projects in our RORI have created a larger demand on the workforce than will be created by those in WARN, demonstrating that our co-op teams can muster a qualified workforce. Our workforce development plan (WBS 6.0) is tailored to mitigate any residual risk. It includes a survey of each co-op's current and future workforce needs and DAC-focused recruiting to enroll applicants to fill upcoming apprenticeships and internships.

Community disputes: The WARN co-ops are owned by the member community they serve and are already engaged in outreach and communication with them. Our Community Engagement task (WBS 2.0) mitigates any residual risk of dispute through: 1) informing the community of the conceptual plans, 2) garnering feedback (community report for documenting concerns and priorities), and 3) updating the community on construction and operational progress.

Project technical performance: Our team includes key personnel that have extensive experience in wildfire science (b) (4) and wildfire suppression and utility mitigation methods (b) (4). These personnel will provide review of the co-ops' project plans to ensure that each will perform as expected.

3.7.6. Approach to Quality Assurance/Control

Each co-op subproject will be subject to the existing quality assurance/quality control. Each WARN co-op will use their existing quality assurance/quality control (QA/QC) procedures. During construction, this includes purchasing equipment from qualified manufacturers that have their own QA/QC in place and certify their products to the appropriate standards. After construction, key QA/QC steps include the preliminary testing and acceptance testing (WBS 4.7) of the upgraded infrastructure to ensure that it meets the co-op's design requirements.

3.7.7. Project Team Members Communications

Monthly Co-op Meetings: HCE (as PI) and (b) (4) will convene virtual monthly meetings of all of the electric co-ops and (b) (4) to discuss project-wide issues or subproject's issue (organizational, reporting, technical, supply chain, budgetary, and subproject scope), if that issue is suspected to arise in other projects. Periodically, (b) (4) will task their subcontractors to provide technical briefings and schedule updates to the co-op representatives to prepare them for upcoming activities.

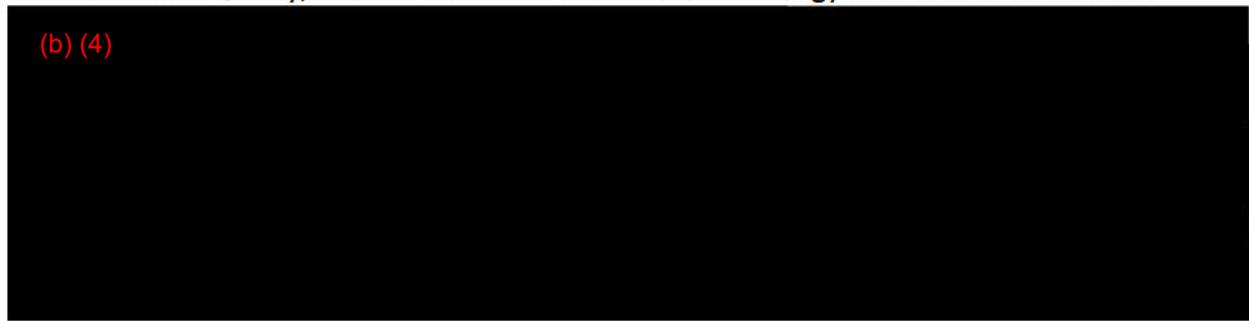
Monthly NRECA Research Contractor Meetings: HCE (b) (4) will convene virtual monthly meetings with all of its subcontractors for additional focus on planning and development for project aspects that, although they will ultimately be implemented by the co-ops, are better handled in this subgroup—e.g, WARN development, workforce planning, DEIA planning, etc. These meetings will also cover reporting, technical, budgetary, and subproject scope.

4. Technical Qualifications and Resources

4.1. Project Team Qualifications and Expertise

Holy Cross Energy (HCE) (PI) is a not-for-profit, member-owned electric co-op utility providing electricity and energy products and services to more than 46,000 customers in Western Colorado. Holy Cross Energy was named 2020 Electricity Cooperative of the Year by the Smart Electric Power Alliance. Approximately 45% of the population in the counties served by HCE lives in an area classified as "moderate" or "high" Wildland-Urban Interface (WUI) Risk Index.¹² HCE's electric infrastructure has been directly affected by wildfires in three of the past five years. HCE's CEO **Dr. Bryan Hannegan** will serve as the Business Point of Contact for the Project. Prior to joining Holy Cross in July 2017, Dr. Hannegan was an associate laboratory director at the National Renewable Energy Laboratory (NREL), where he helped co-found the DOE's Grid Modernization Initiative and started up the Energy Systems Integration Facility (ESIF). He has held senior leadership roles at the Electric Power Research Institute, the White House Council on Environmental Quality, and the US Senate Committee on Energy and Natural Resources.

(b) (4)



(b) (4)

WARN Consortium Co-ops: Engineering, utility workers, and management at the (b) (4) WARN co-ops routinely plan, design, engineer, and construct grid upgrade projects of similar scale and complexity as those proposed by the WARN Consortium (e.g., see the WARN Report on Resilience that includes (b) (4) of grid upgrades over the last 3 years). Each WARN project has been developed by the senior technical and business management teams at each co-op and integrated into their long-term construction and innovation plans that guide their capital investments.

(b) (4)

4.2. Existing Facilities and Equipment

HCE, (b) (4) do not require new major or specialized facilities beyond their existing offices and hardware and

software associated with the proposed tasks. Consortium members electric co-ops will execute their respective subprojects on their existing electric grids and primarily in existing right of ways. Each co-op (and their subcontractors) develops and executes similar and larger capital improvement projects as part of their day-to-day utility operations and have the equipment and facilities necessary to complete this project. (b) (4)

Due to resource contention, particularly during “fire season” when fire spread forecasts are being generated for dozens of active fires, (b) (4)

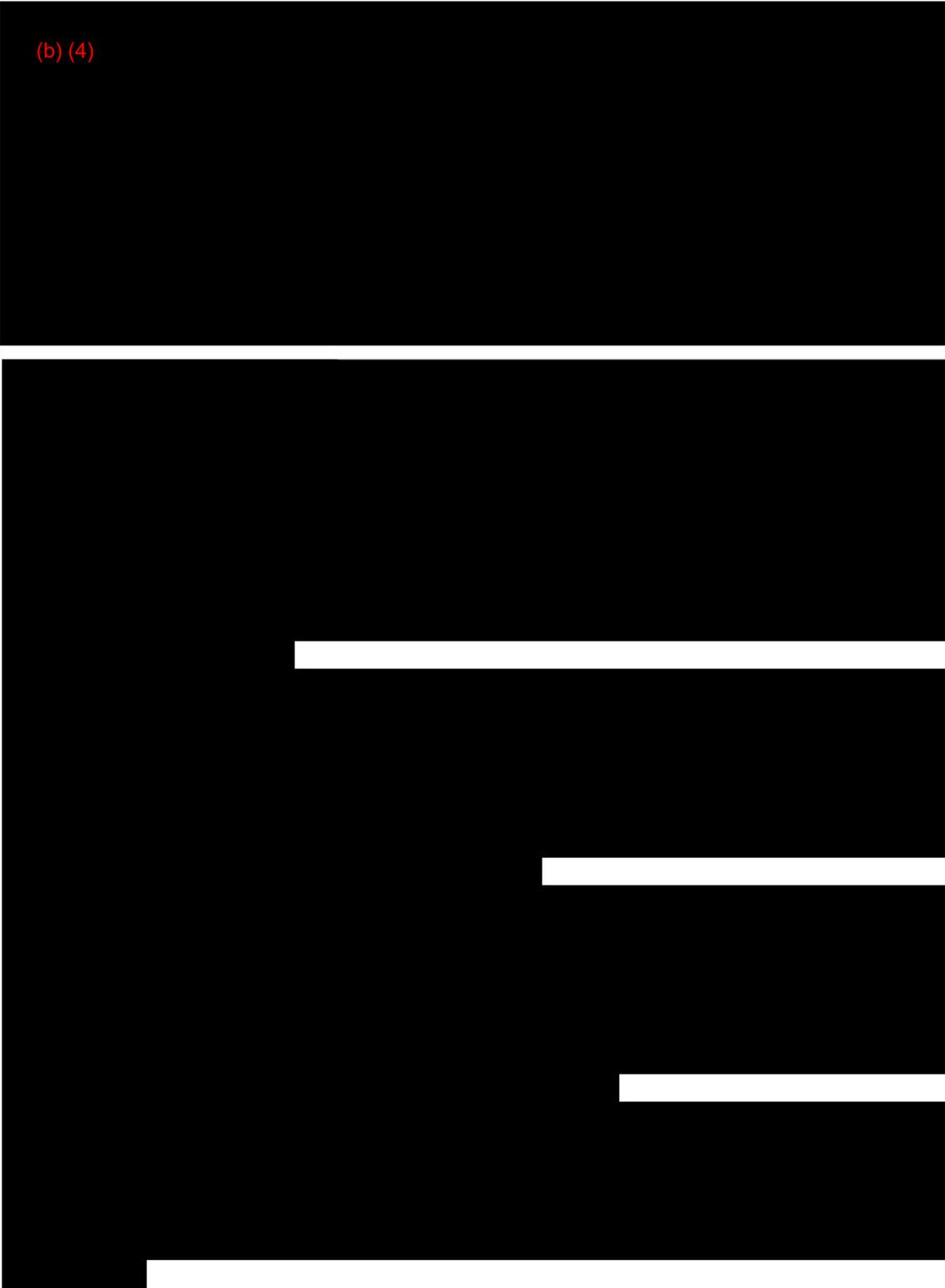
4.3. Relevant Prior Work

Holy Cross Electric has significant experience with managing utility-centric development and demonstration projects, e.g., (b) (4)

. The 39 WARN co-ops are prepared to execute their respective subproject in the five-year timeline proposed in this concept paper. The vast majority of the co-op subprojects will be executed using existing right of ways. All of the co-ops have undertaken and successfully completed projects of similar size and scope to those proposed here, including of resilience-related projects over the last 3 years.

(b) (4)

(b) (4)



Bryan Hannegan, Ph.D.
Holy Cross Energy

Education and Training

Ph.D., Earth System Science, University of California - Irvine, 2000
M.S., Mechanical Engineering, University of California - Irvine, 1994
B.S., Meteorology, University of Oklahoma, 1992

Professional Experience

Jul 2017-Present President and CEO, Holy Cross Energy, Glenwood Springs, CO.

- Responsible for day-to-day operations and long-term strategy for a \$150 million, 165-person electric cooperative utility serving over 46,000 customers in Colorado.
- Consistently obtained top-quartile performance in system reliability, cost of service, safety, and customer satisfaction, while transforming employee culture and community relations.
- Led development and implementation of a new “Journey to 100%” power supply plan that saved Holy Cross Energy over \$28 million since 2020 while increasing clean energy content.
- Named 2020 “Electric Cooperative of the Year” by the Smart Electric Power Alliance.

Jun 2013-Jul 2017 Associate Laboratory Director, National Renewable Energy Laboratory, Golden, CO.

- Established and managed a \$60 million annual portfolio of high impact scientific research in high performance computing, power systems engineering, and energy systems integration.
- Served as founding Director of the Energy Systems Integration Facility (ESIF), a unique "distribution grid in a box" enabling utilities, entrepreneurs, and consumers to work together on cleaner, more affordable and more reliable energy systems.
- Co-founded the U.S. Department of Energy's (DOE) Grid Modernization Initiative, a strategic research partnership between the DOE and its 13 National Laboratories to make the U.S. electric grid more reliable, affordable, safe, and sustainable.

Sep 2006-Jun 2013 Vice President, Electric Power Research Institute, Palo Alto, CA.

- Managed environmental science, energy analysis, fossil energy, and renewable energy research programs for the electric power industry through collaborative engagement.
- Authored ground-breaking research and analysis for large investor-owned utilities outlining pathways to low-carbon futures, highlighting opportunities for beneficial electrification.
- Initiated expanded programs in renewable energy technology development and grid integration for both large-scale (wind) and distributed (solar) resources.

Apr 2003-Apr 2006 Associate Director/Chief of Staff, White House Council on Environmental Quality, Washington, DC.

- Managed the efforts of a 24-person staff to work closely with Federal agencies and other White House offices in the development of environmental policies and initiatives, and to provide dispute resolution and policy guidance.

Sep 1999-Apr 2003 Staff Scientist, U.S. Senate Committee on Energy and Natural Resources, Washington, DC.

- Served as principal staff member for national energy policy development, including energy efficiency, alternative fuels, renewable energy, climate change, and oversight of Department of Energy R&D and scientific research.

Appointments

- Smart Electric Power Alliance Board of Directors, 2022-present
- Colorado Rural Electric Association Board of Directors, 2020-2022
- Energy Systems Integration Group Advisory Council, 2019-present
- GridLab Advisory Board, 2019-present
- NRECA Strategic Technology Advisory Council, 2018-present
- University of Oklahoma Energy Institute Advisory Board, 2015-present
- Member, California Council on Science and Technology, 2009-18
- International Energy Agency (IEA) Renewable Energy Industry Advisory Board, 2013-17
- American Meteorological Society Board on Global Strategies, 2013-17
- American Geophysical Union, Committee on Public Affairs, 1999-2002

Selected Research Publications

1. SJ Davis, NS Lewis, M Shaner, S Aggarwal, D Arent..., B Hannegan, ... (2018). "Net-zero emissions energy systems," *Science* 360 (6396), eaas9793.
2. B Kroposki, B Johnson, Y Zhang, V Gevorgian, P Denholm, BM Hodge, and B Hannegan (2017). "Achieving a 100% renewable grid: Operating electric power systems with extremely high levels of variable renewable energy," *IEEE Power and Energy Magazine* 15 (2), 61-73.
3. M O'Malley, B Kroposki, B Hannegan, H Madsen, M Andersson, W D'haeseleer, MF McGranaghan, C Dent, G Strbac, S Baskaran, and M Rinker (2016). "Energy Systems Integration: Defining and Describing the Value Proposition," National Renewable Energy Laboratory, NREL/TP-5D00-66616, <https://www.nrel.gov/docs/fy16osti/66616.pdf>
4. J Long, M John, J Greenblatt, M Wei, C Yang, B Richter, B Hannegan, and H Youngs (2011). "California's Energy Future – The View to 2050," California Council on Science and Technology, <http://www.ccst.us/publications/2011/2011energy.pdf>
5. G Blanford, B Hannegan, R James and R Richels (2009). "The Power to Reduce CO2 Emissions: The Full Portfolio," Electric Power Research Institute, Report #1020389, <https://www.epri.com/#/pages/product/00000000001020389/>

- (b) (6) [Redacted]

- [Redacted]

[Redacted]

- [Redacted]

[Redacted]

- [Redacted]

[Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

[Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

[Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

[Redacted]

[Redacted]

5. Appointments

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

1. Contact Information

(b) (6)

[Redacted]

[Redacted]

2. Education

(b) (6)

[Redacted]

3. Training

4. Professional Experience

(b) (6)

[Redacted]

[Redacted]

(b) (6)

█

█

█

█

█

█

█

█

█

█

█
█
█

5. Appointments

Contact Information

Name	(b) (6)
Address	(b) (6)
Email	(b) (6)
Phone Number	(b) (6)

Education

Institution	(b) (6)
Major	(b) (6)
Degree	(b) (6)

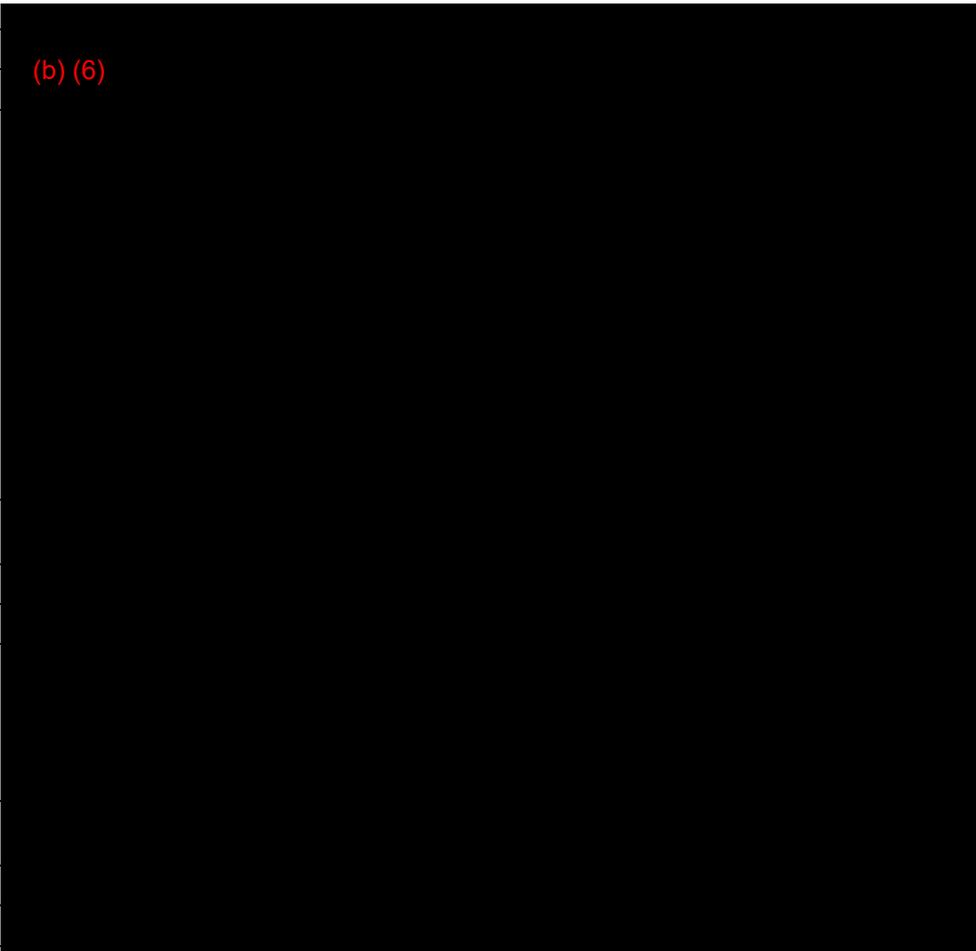
Institution	(b) (6)
Major	(b) (6)
Degree	(b) (6)

Professional Experience

Employer
Title/Position
Description

Employer
Title/Position
Description

Employer
Title/Position



Description

(b) (6)

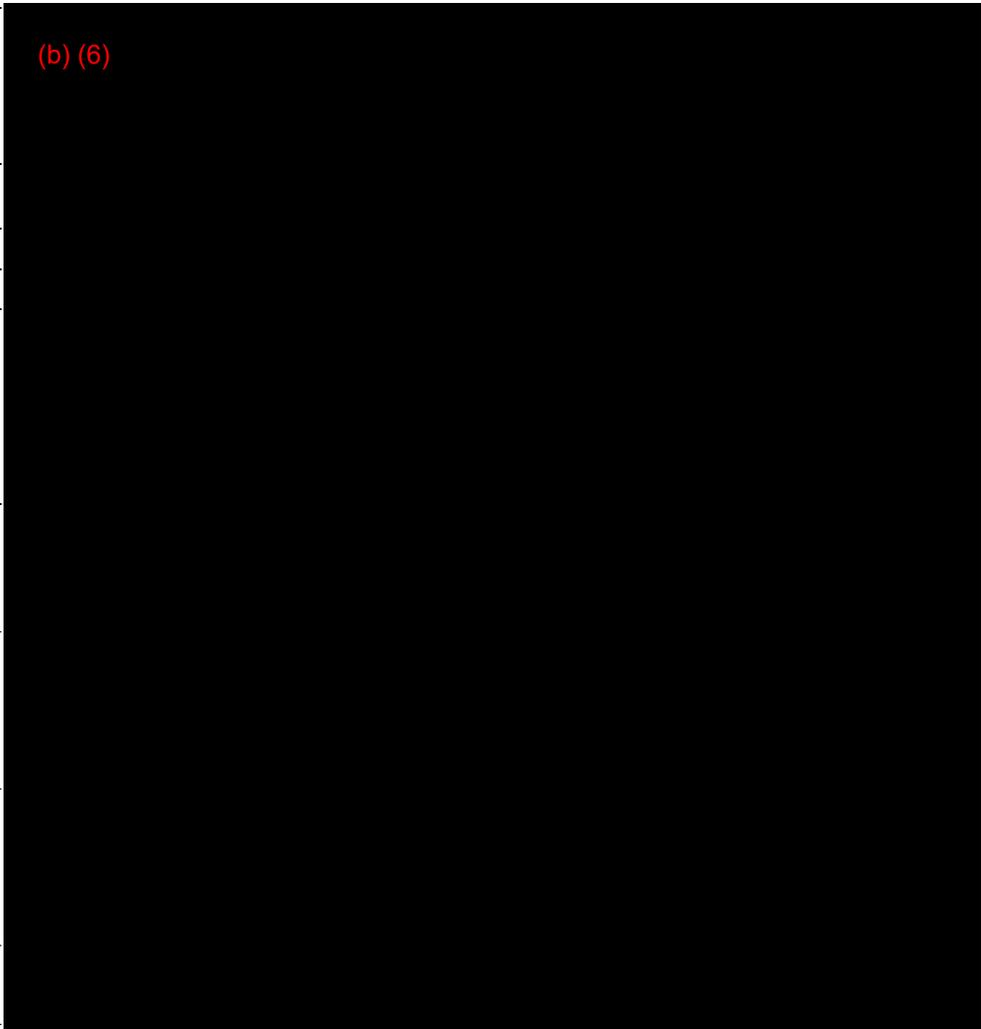
Employer

Title/Position

Description

Appointments

(b) (6)
(b) (6)
(b) (6)
(b) (6)

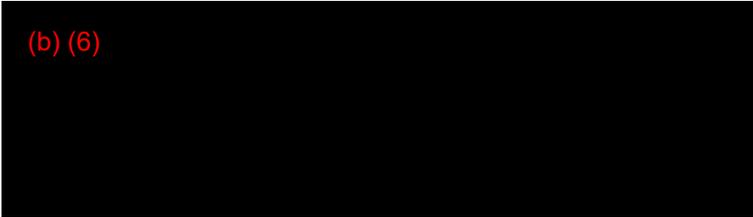


(b) (6)

Resumes

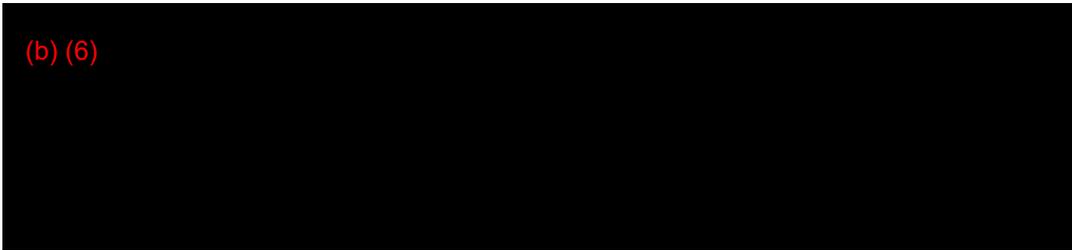
1. Contact Information

(b) (6)



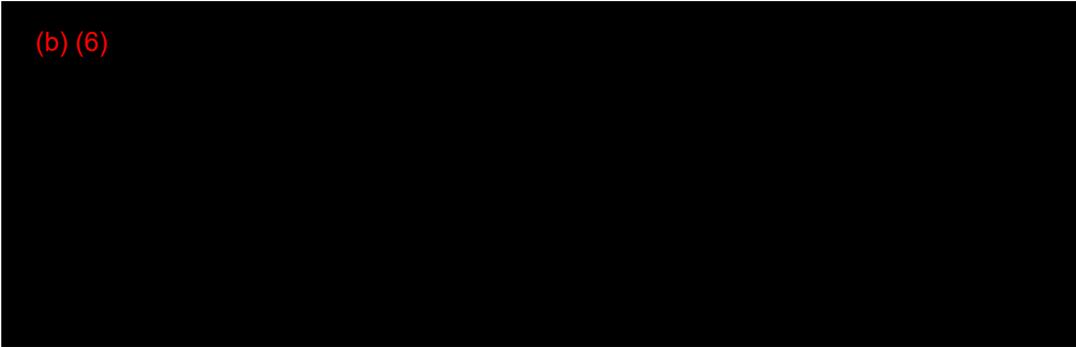
2. Education

(b) (6)



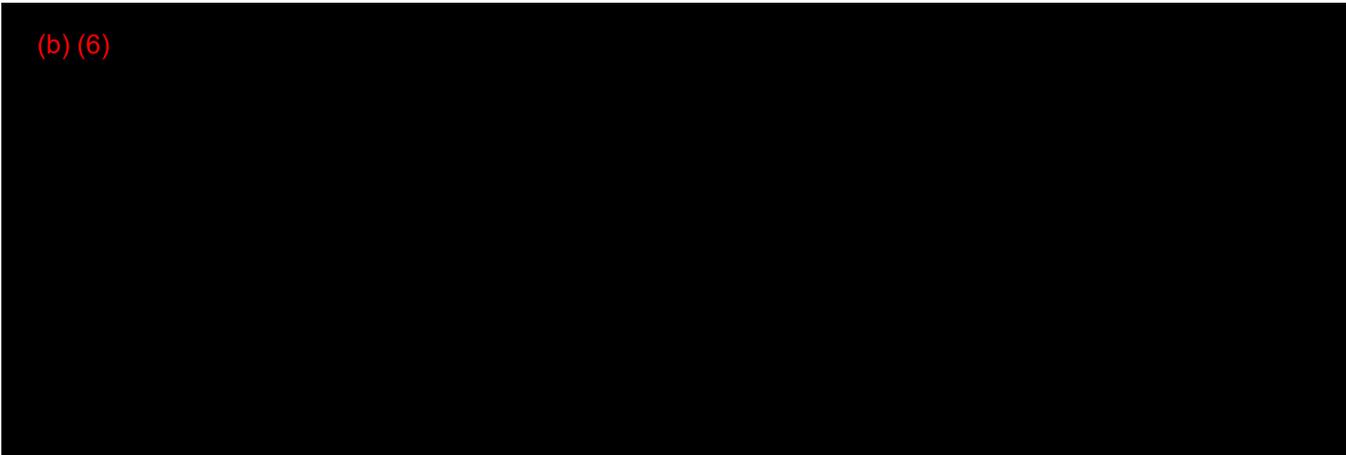
3. Training

(b) (6)



4. Professional Experience

(b) (6)



(b) (6)

[Redacted text block]

5. Appointments

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

Resumes

(b) (6)

Education

(b) (6)

Professional Experience

(b) (6)

(b) (6)

[Redacted]

[Redacted]

[Redacted]

(b) (6)

Resumes

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP) Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740 Assistance Listing Number: 81.254

1. Contact Information

(b) (6)

2. Education

Proposal Instructions (FOA p.58)

- Include all academic institutions attended, major/area, degree

(b) (6)

3. Training

Proposal Instructions (FOA p.58)

- E.g., certification or credential from a Registered Apprenticeship or Labor Management Partnership

(b) (6)

4. Professional Experience

Proposal Instructions (FOA p.58)

Progressive electric utility management responsibilities over 46 years developing and implementing progressive projects that have successfully addressed an emerging need.

(b) (6)

(b) (6)

5. Appointments

Proposal Instructions (FOA p.58)

- *List all current academic, professional, or institutional appointments, foreign or domestic, at the applicant institution or elsewhere, whether or not remuneration is received, and, whether full-time, part-time, or voluntary.*

(b) (6)

RESUME

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

5. Appointments

None

(b) (6)

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Education:

- (b) (6)

Training:

- (b) (6)

Professional Experience:

- (b) (6)

Resumes

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP) Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740 Assistance Listing Number: 81.254

1. Contact Information

(b) (6)

[Redacted contact information]

2. Education

(b) (6)

[Redacted education information]

3. Training

(b) (6)

[Redacted training information]

4. Professional Experience

(b) (6)

[Redacted professional experience information]

(b) (6)

5. Appointments

(b) (6)

(b) (6)

Resume

(b) (6)

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

(b) (6)

4. Professional Experience

(b) (6)

5. Appointments

(b) (6)

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

(b) (6)

(b) (6)

(b) (6) [Redacted text]

[Redacted text]

5. Appointments

(b) (6) [Redacted text]

1. Contact Information

(b) (6)

2. Education

(b) (6)

[Redacted]

3. Training

(b) (6)

4. Professional Experience

(b) (6)

(b) (6)

5. Appointments

(b) (6)

Resumes

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP) Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740 Assistance Listing Number: 81.254

1. Contact Information

(b) (6)
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

2. Education

(b) (6)
[Redacted]
[Redacted]
[Redacted]
[Redacted]

3. Training

(b) (6)
[Redacted]
[Redacted]
[Redacted]

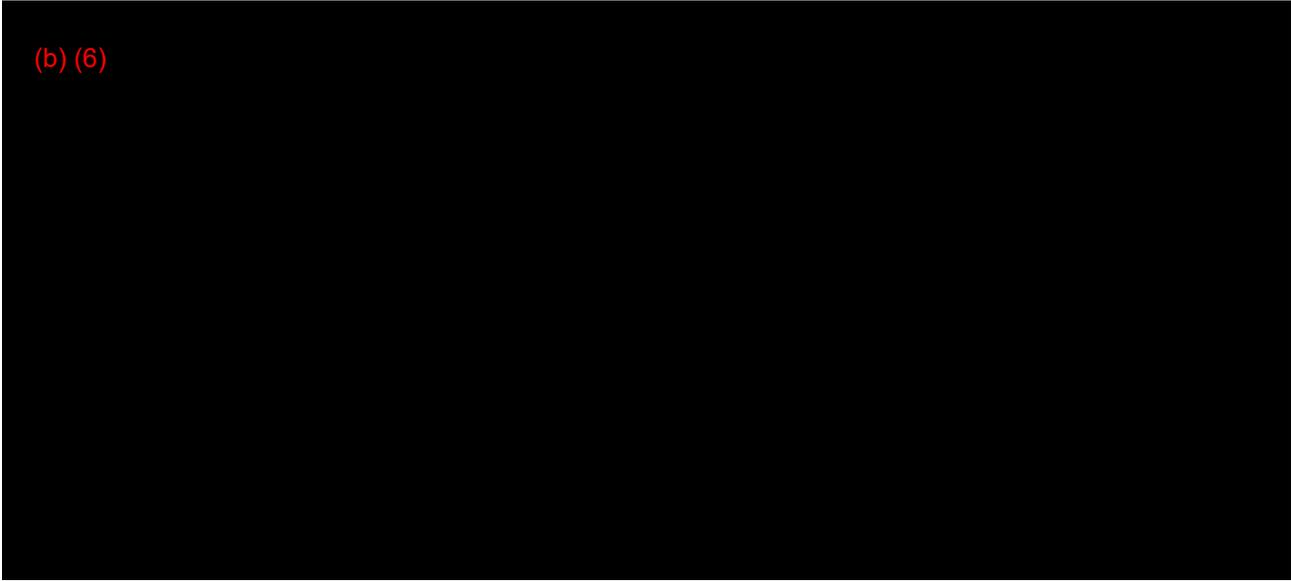
4. Professional Experience

(b) (6)
[Redacted]
[Redacted]
[Redacted] [Redacted]
[Redacted] [Redacted]
[Redacted] [Redacted]
[Redacted] [Redacted]

[Redacted]
[Redacted]
[Redacted] [Redacted]
[Redacted] [Redacted]
[Redacted] [Redacted]
[Redacted] [Redacted]

5. Appointments

(b) (6)



1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

EXPERIENCE HIGHLIGHTS

- (b) (6)

SKILLS

- (b) (6)

(b) (6)

EXPERIENCE

(b) (6)

5. Appointments

(b) (6)

(b) (6)

1. Contact Information

(b) (6)
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

2. Education

(b) (6)
[Redacted]

3. Training

(b) (6)
[Redacted]
[Redacted]

4. Professional Experience

(b) (6)
[Redacted]
[Redacted]
[Redacted]

5. Appointments

(b) (6)
[Redacted]

Resumes

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)

Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740

Assistance Listing Number: 81.254

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

(b) (6)

5. Appointments

(b) (6)

Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

Confidentiality Statement: Pages of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].



1. Contact Information

(b) (6)
[Redacted contact information]

2. Education

(b) (6)
[Redacted education information]

3. Training

(b) (6)
[Redacted training information]

4. Professional Experience

(b) (6)
[Redacted professional experience information]

5. Appointments

(b) (6)
[Redacted appointments information]

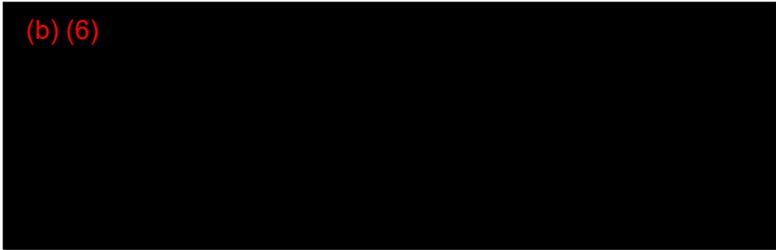
Resumes

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP) Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740 Assistance Listing Number: 81.254

Confidentiality Statement: Pages [1-4] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source.

1. Contact Information

(b) (6)



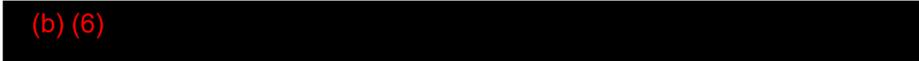
2. Education

(b) (6)



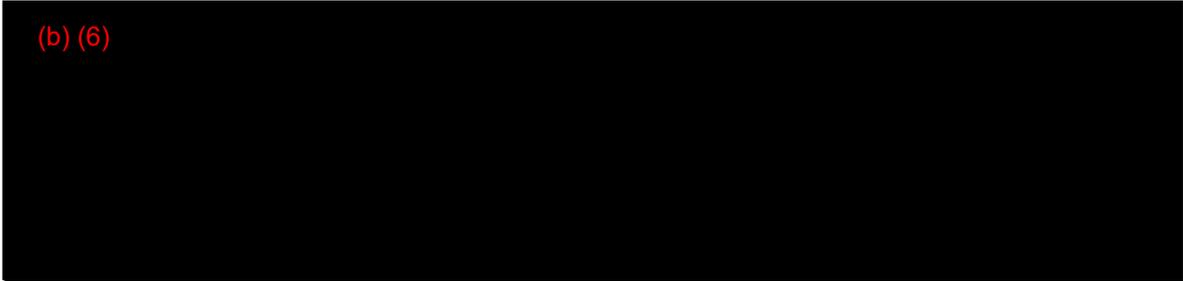
3. Training

(b) (6)



4. Professional Experience

(b) (6)



(b) (6)

5. Appointments

(b) (6)

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

[Redacted text block]

[Redacted text block]

[Redacted text block]

5. Appointments

Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

5. Appointments

(b) (6)

(b) (6)

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

(b) (6)

(b) (6)

(b) (6)

(b) (6)

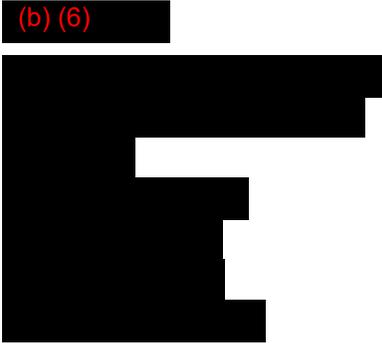
Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

***Confidentiality Statement:** Pages [1,2] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].*

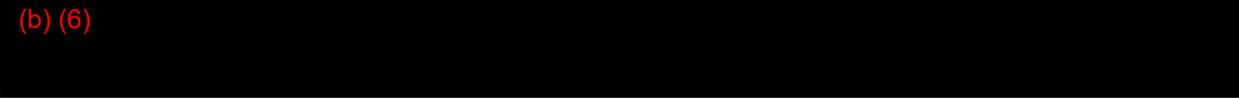
1. Contact Information

(b) (6)

A large black rectangular redaction box covers the contact information for this section.

2. Education

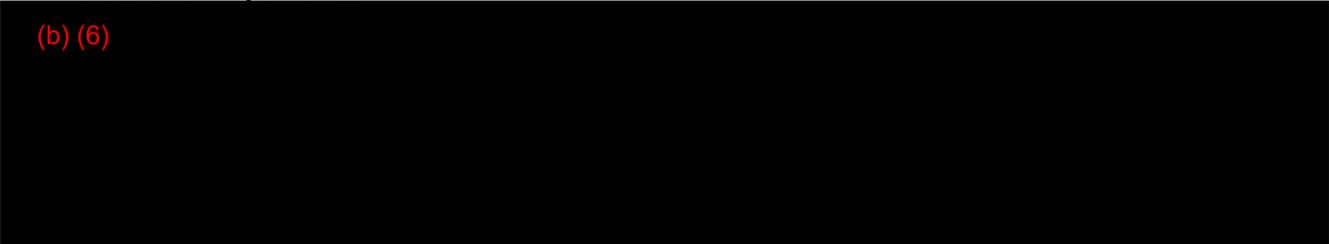
(b) (6)

A large black rectangular redaction box covers the education information for this section.

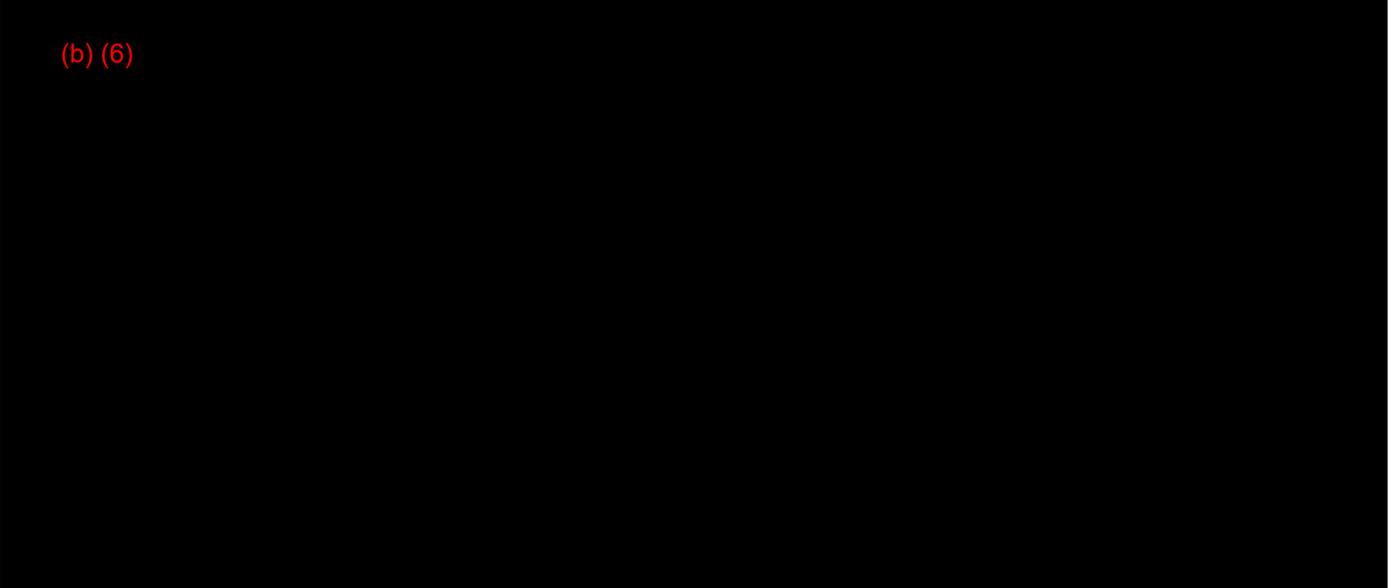
3. Training

4. Professional Experience

(b) (6)

A large black rectangular redaction box covers the professional experience information for this section.

(b) (6)



5. Appointments

(b) (6)



(b) (6)

1. Contact information: (b) (6)

2. Education and training

(b) (6)

- **Research and professional experience**

(b) (6)

3. Relevant publications

(b) (6)

4. Synergistic activities

(b) (6)

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

RESUME

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

(b) (6)

5. Appointments

(b) (6)

(b) (6)

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

Confidentiality Statement: Pages [1&2] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].

1. Contact Information

(b) (6)

2. Education

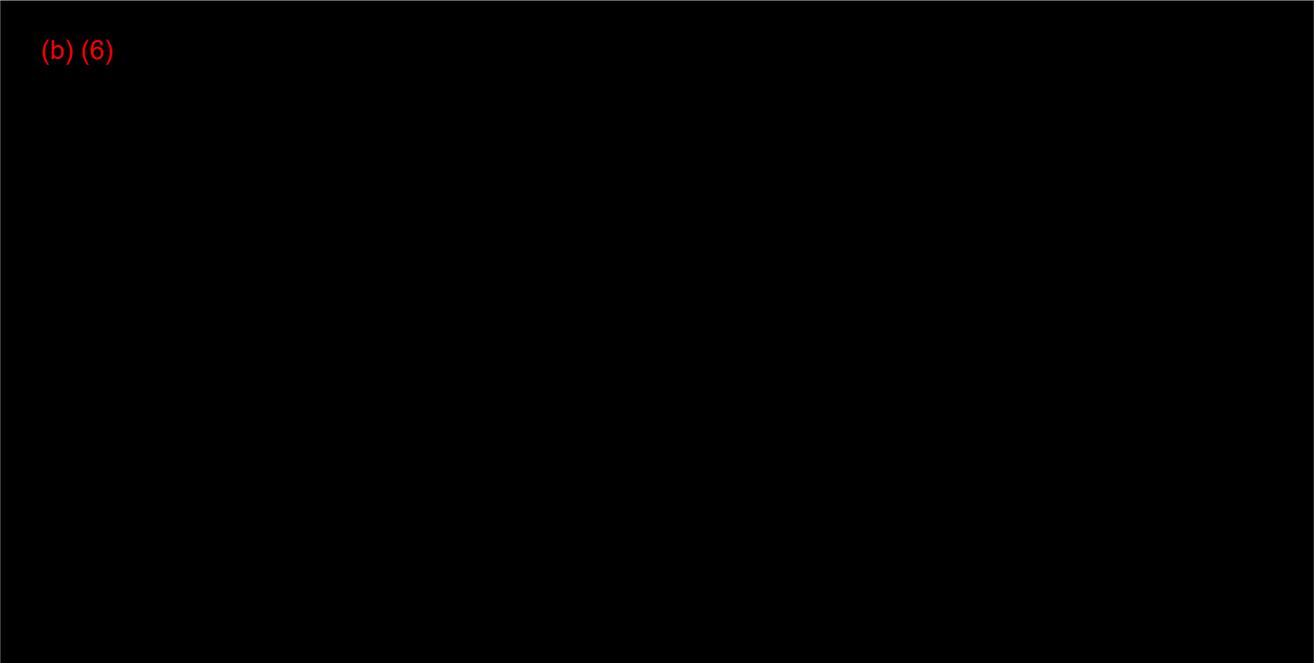
(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)



5. Appointments

(b) (6)



(b) (6)

1. Contact Information

(b) (6)

2. Education

3. Training

4. Professional Experience

(b) (6)

(b) (6)

(b) (6)

Appointments

(b) (6)

(b) (6)

5. Appointments

(b) (6)

(b) (6)

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

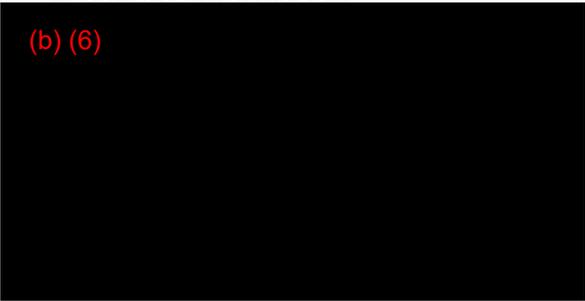
(b) (6)

5. Appointments

(b) (6)

1. Contact Information

(b) (6)



2. Education

(b) (6)



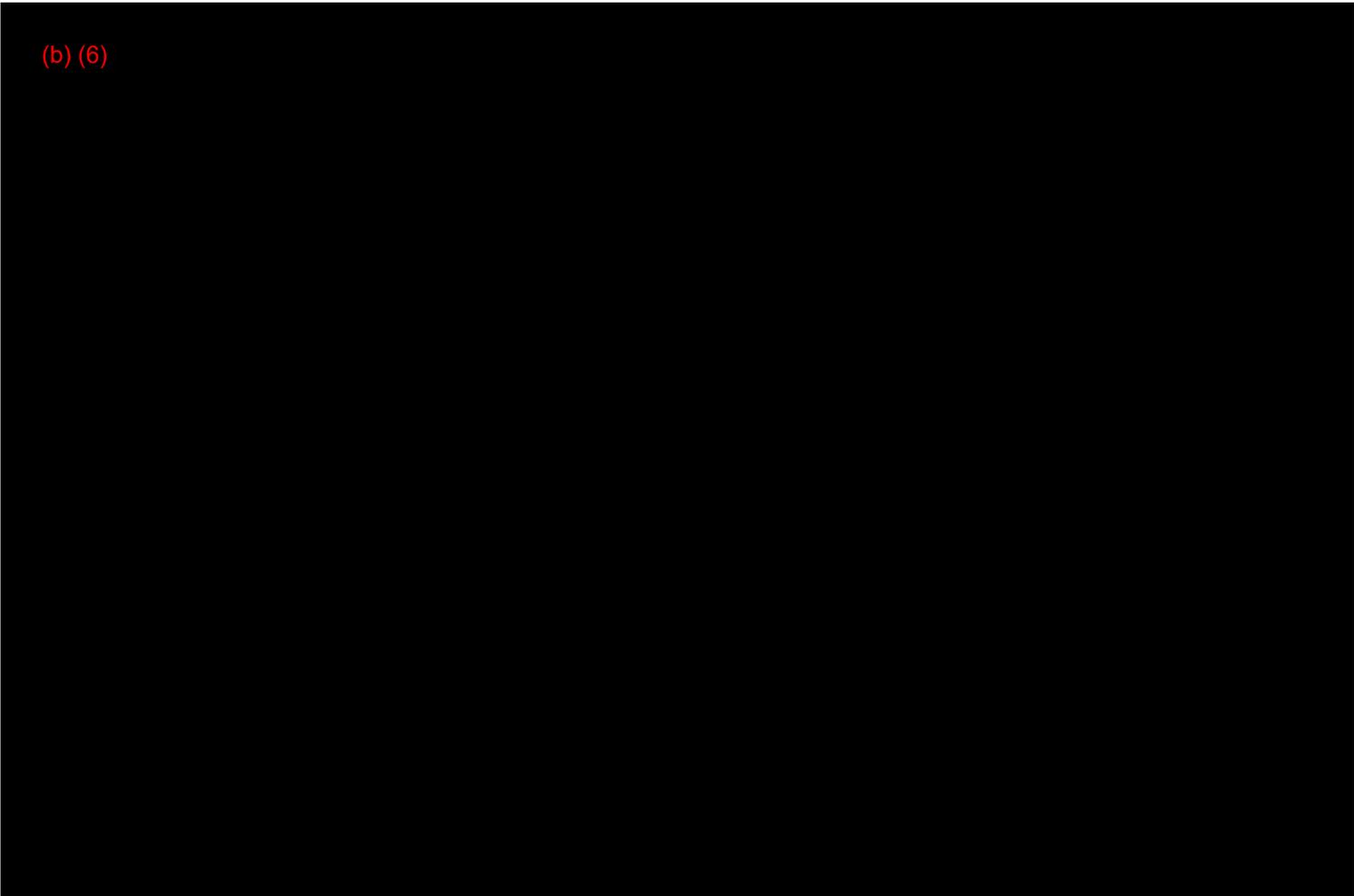
3. Training

(b) (6)



4. Professional Experience

(b) (6)



(b) (6)

5. Appointments

(b) (6)

1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

5. Appointments

(b) (6)

(b) (6)

Education

(b) (6)

Training

(b) (6)

Professional Experience

(b) (6)

(b) (6)

[Redacted]

[Redacted]

[Redacted]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(b) (6)

Education

(b) (6)

(b) (6)

(b) (6)

(b) (6)

Training

(b) (6)

Professional Experience

(b) (6)

(b) (6)

Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

***Confidentiality Statement:** Pages [1 & 2] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].*

1. Contact Information

(b) (6)

2. Education

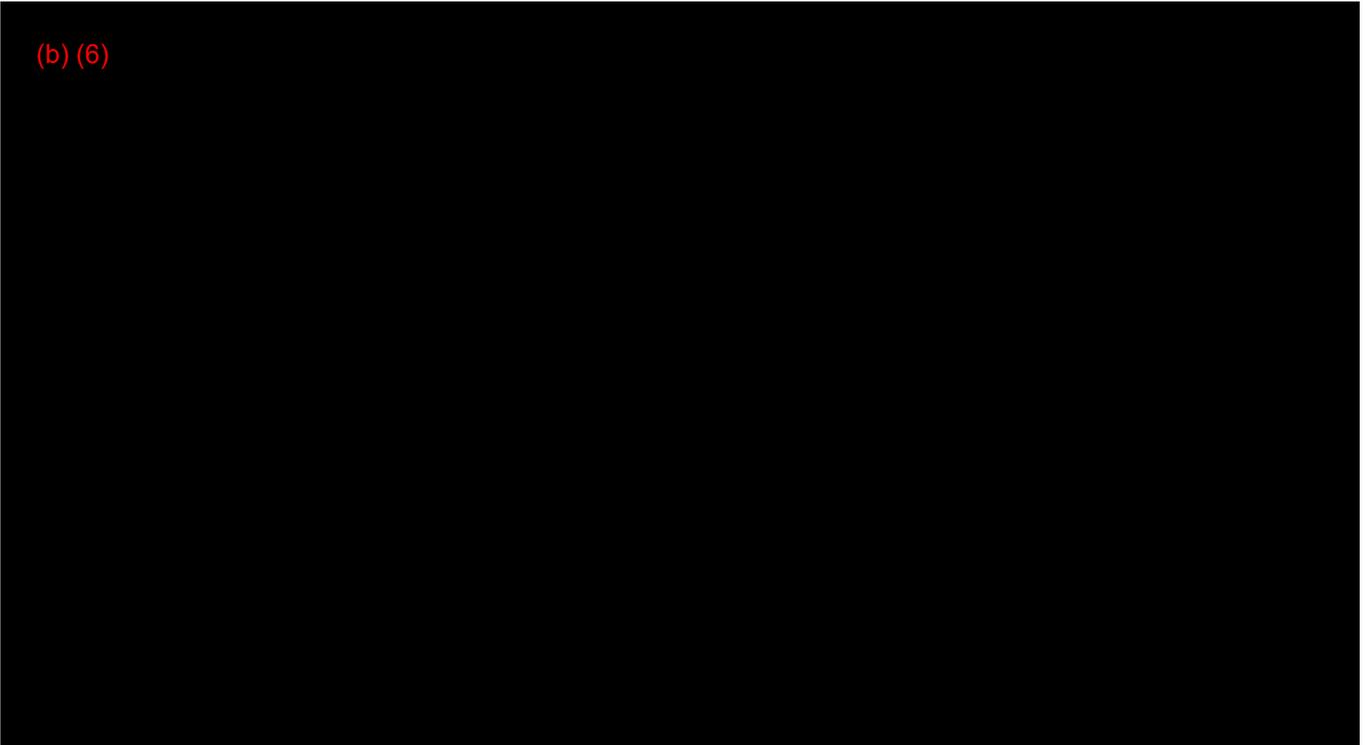
(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)



5. Appointments

(b) (6)



(b) (6)

Professional Experience

(b) (6)

- [Redacted]

Education and Training

(b) (6)

[Redacted]

[Redacted]

[Redacted]

Professional Experience

(b) (6)

[Redacted]

[Redacted]

[Redacted]

[Redacted]

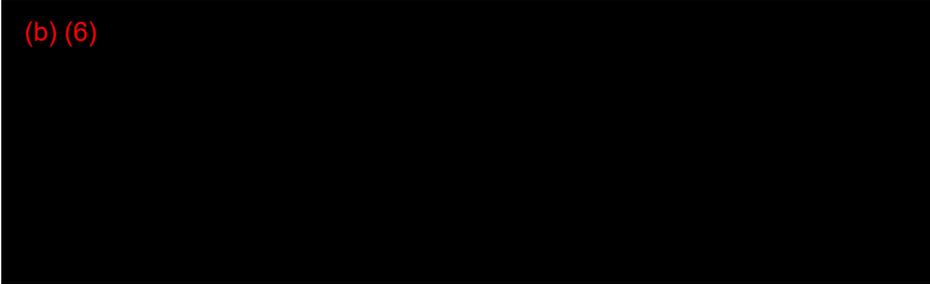
Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

Confidentiality Statement: Pages [1-2] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].

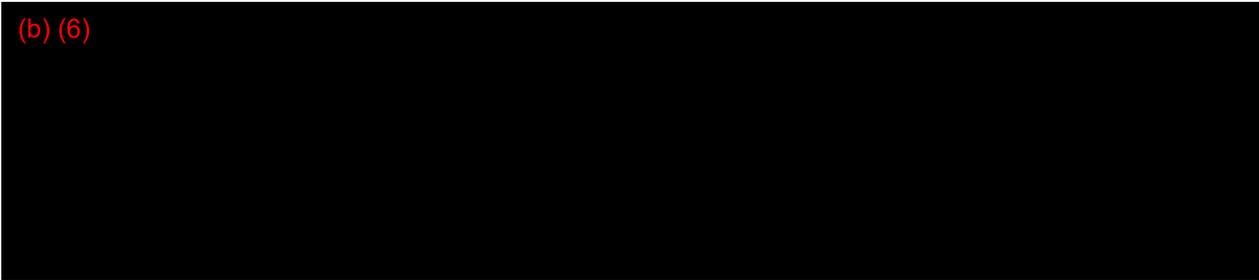
1. Contact Information

(b) (6)

A large black rectangular redaction box covers the contact information for this section.

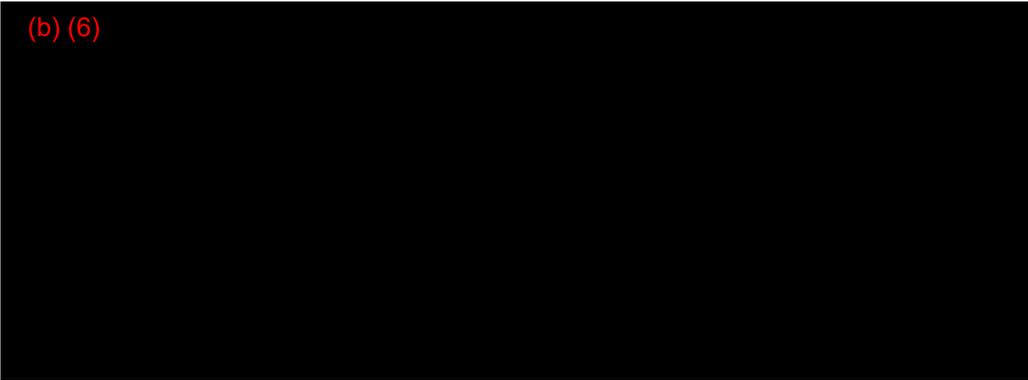
2. Education

(b) (6)

A large black rectangular redaction box covers the education information for this section.

3. Training

(b) (6)

A large black rectangular redaction box covers the entire content area under the '3. Training' section header.

4. Professional Experience

(b) (6)

A large black rectangular redaction box covers the entire content area under the '4. Professional Experience' section header.

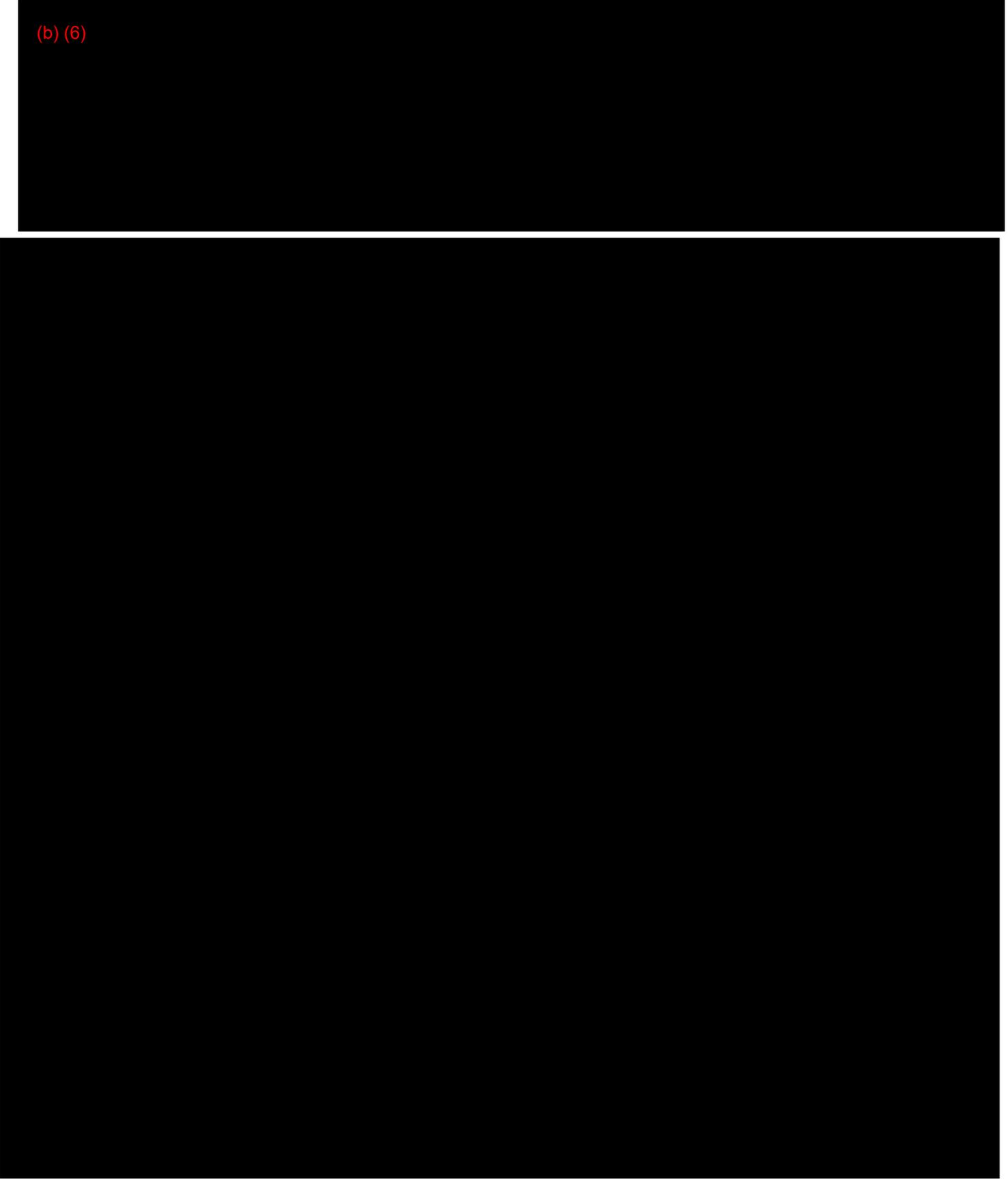
5. Appointments

(b) (6)

A small black rectangular redaction box covers the text '(b) (6)' under the '5. Appointments' section header.

(b) (6)

(b) (6)



1. Contact Information

(b) (6)

2. Education

(b) (6)

3. Training

(b) (6)

4. Professional Experience

(b) (6)

(b) (6)

[Redacted]

5. Appointments

(b) (6)

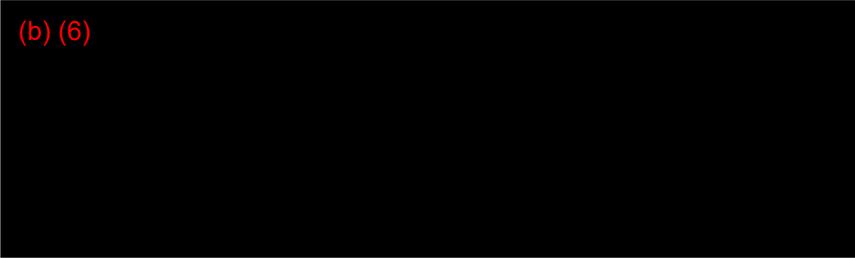
Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

Confidentiality Statement: Pages [1-2] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and the government. The government may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. Markings are in [[]].

1. Contact Information

(b) (6)



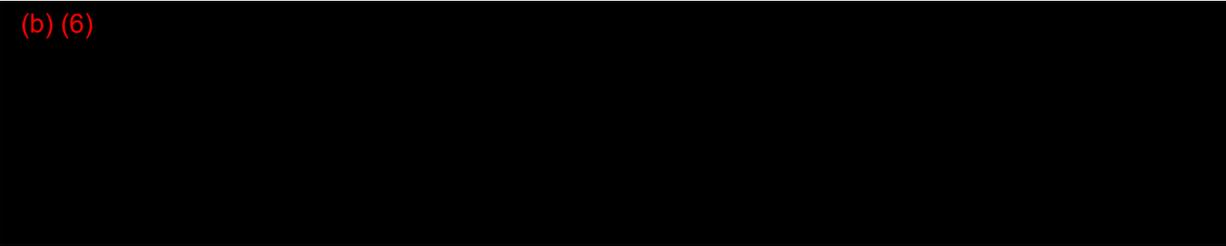
2. Education

(b) (6)



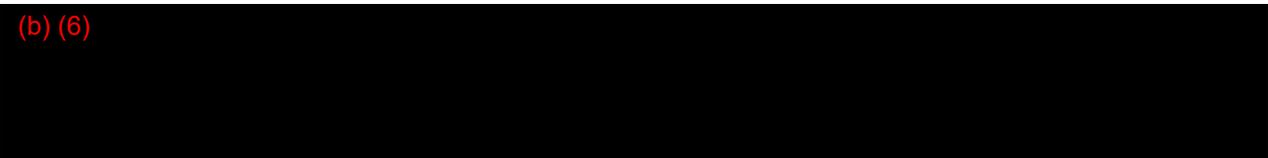
3. Training

(b) (6)



4. Professional Experience

(b) (6)

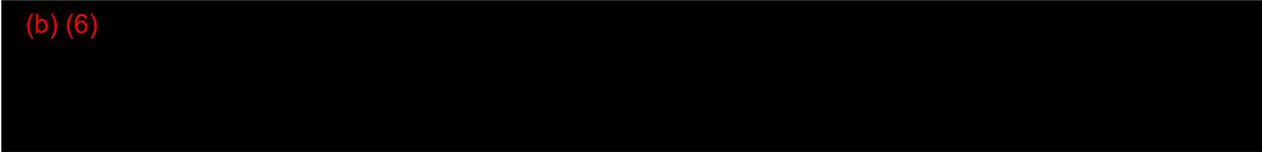


(b) (6)



5. Appointments

(b) (6)



(b) (6)

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Resumes

1. Contact Information

(b) (6)



2. Education

(b) (6)



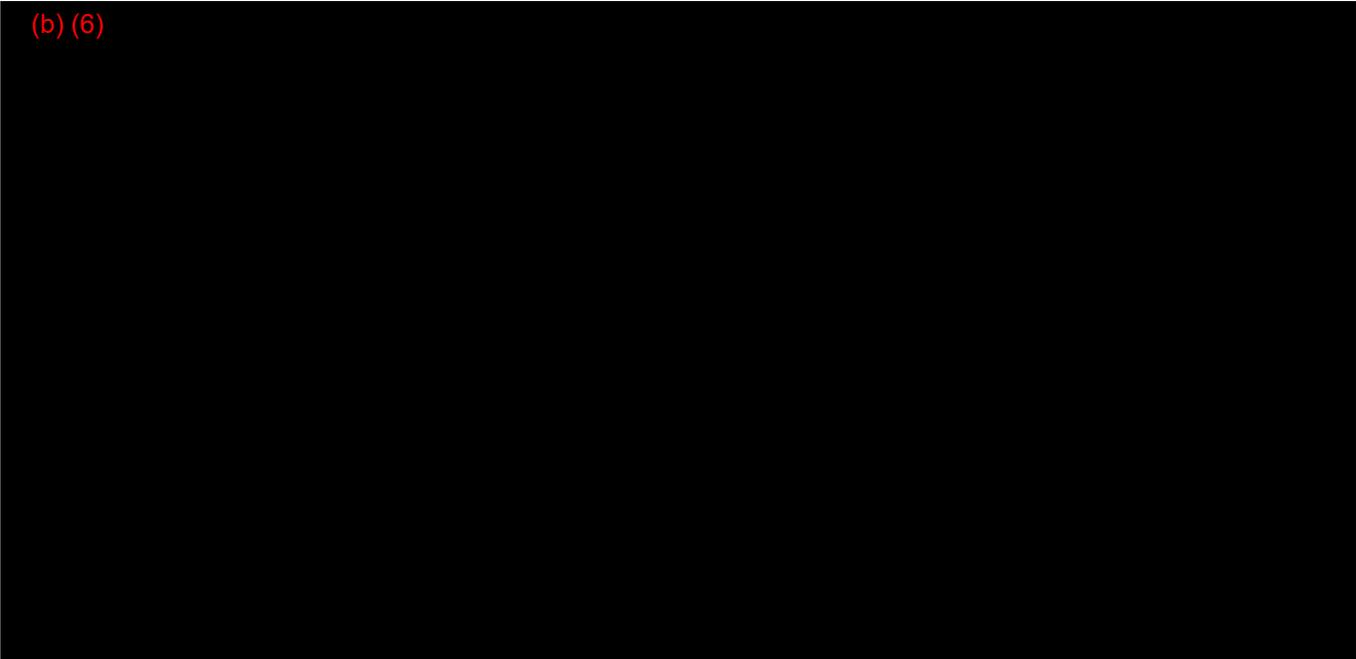
3. Training

(b) (6)



4. Professional Experience

(b) (6)



(b) (6)

5. Appointments

Letter of Commitment

March 16, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

March 16, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC
20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

March 10, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW | Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships
(GRIP) DE FOA 0002740 – Topic Area 1 Submission, Grid Resilience Grants
Letter of Commitment/Holy Cross Energy Application

This Letter of Commitment confirms the support and involvement of (b) (4)

(b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy, working with (b) (4) project partners proposes to design and deploy cost effective, community aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires.

Holy Cross Energy has brought together an extremely well qualified, diverse, and enthusiastic team for the Project, to cover all aspects of the effort. (b) (4) role in the project focuses on supporting education, advisory services, and thought leadership sharing. The educational component includes the development of curriculum to be delivered to participating utilities about the advanced solutions that are available to mitigate wildfire risk. The advisory services focus on supporting the cohorts of utilities as they organize in groups based on the areas of the solutions they are deploying. And the thought leadership sharing focuses on producing an annual meeting for project partners, and others working on wildfire mitigation, to come together to share lessons.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system and this collaborative project will advance these objectives.

I, (b) (4) of the (b) (4) authorizes and commits the organization to supporting this project in the ways outlined in the submitted work plan. Furthermore, (b) (4) will engage with Holy Cross Energy, (b) (4) and other partners regarding further details required for the successful completion on this project. Please contact me if you have any (b) (4) continuing support of the Project.

(b) (4)

March 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely

(b) (4)

(b) (4)

March 20, 2023

(GRIP) - DE-FOA-0002740

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585
RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP)
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project").

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA Topic 1. For this effort, we propose to lead the development of programs that support Justice40 and DEIA implementation of community benefits for each of the partnering co-operatives within WARN, comprised of 39 cooperatives the DACs within their service territories. These plans will encompass many types of community benefits delivery, including increasing resilience and energy service reliability for DACs, as well as conducting workforce training within individual cooperative systems as appropriate.

Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance. (b) (4) will support each WARN partner cooperative in identifying needed workers, skillsets for additional training, and local training institutions that can deliver worker training to build and maintain grid infrastructure improvements and resiliency projects. (b) (4) will assist cooperatives in recruiting members of DACs within their service territories for training and potential employment. These projects will deliver direct energy service improvements and many indirect job, economic, health, and wealth-building benefits for all partnering cooperatives' members.

(b) (4)

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure.

February 15, 2023
U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by making these grids resilient to all wildfires.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations.

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy
Grid Deployment Office Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740, Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project.

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Sincerely,

(b) (4)

(b) (4)

02/24/2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 Letter of Commitment, (b) (4)

To Whom It May Concern,

This letter of co This Letter of Commitment confirms the support and involvement of (b) (4), in the development of (b) (4), “Wildfire Assessment and Resilience for Networks (WARN)” project (“the Project”). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE’s BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to [sub/third-party/partner]’s continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

February 10, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance. Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

14 February 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

2/14/2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods. Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4) and many others.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

2-14-2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment, (b) (4)

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) (b) (4) "Applicant", (b) (4) in the development of the (b) (4) project ("the Project") (b) (4) proposes to design and deploy a conversion of overhead powerlines to underground and replacement of existing aged underground line, in an area of extreme fire risk, to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. The project area provides power to a heavily timbered community with vital water sources that will be unavailable in a wildfire situation. The power also provides the (b) (4) with its source of water for both domestic use and fire suppression. The third component of this project that is essential for local and surrounding community is the power to communication resources (b) (4) that would become inoperable during a power outage. The communication is vital for County, State, and Federal resources. (b) (4) fully supports this project and is committed to ensuring its completion for the benefit of the community. This project is essential for both life and property in our County.

(b) (4) is pleased to put forth this application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy a resilient electric power system with wildfire protection. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades and protection of life by converting the existing overhead line to underground.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

2/13/22

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

The proposed project will convert the remaining overhead lines that were not damaged (b) (4) to underground services. Thus, reducing outage durations, increasing circuit reliability, and minimizing system exposure to natural disasters in this community. The proposed project is supported by (b) (4)

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

2/14/23

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

February 15, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 16, 2023

U.S. Department of Energy, Grid Deployment Office Office of Clean Energy
Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy To Whom It

May Concern,

This Letter of Commitment confirms the support and involvement of

(b) (4)

in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 14, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's GRIP FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

2/21/2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN-an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: NRECA Research, Grid Forward, Consumers Power Inc., United Power, Anza Electric Cooperative Inc., Beartooth Electric Cooperative, Inc., Big Horn Rural Electric Company, Blacks Hill Electric Cooperative, Inc., Bridger Valley Electric Association, Inc., Butte Electric Cooperative, Inc., Canadian Valley Electric Cooperative, Inc., Capital Electric Cooperative, Inc., Columbia Basin Electric Co-op, Consumers Power, Inc., Cotton Electric Cooperative, Inc., Deseret G&T Cooperative, DS&O Rural Electric Co-op Assn., Fall River Rural Electric Cooperative, Inc., Flathead Electric Cooperative, Inc., Garkane Energy Cooperative, Inc., Grand Valley Power Lines, Inc., Highline Electric Association, La Plata Electric Association, Inc., Lea County Electric Cooperative, Inc., Lincoln Electric Cooperative, Inc., Meeker Cooperative Light & Power Association, Midwest ECC, Missoula Electric Cooperative, Inc., Moon Lake Electric Association, Inc., Mountain View Electric Association, Inc., Nodak Electric Cooperative, Inc., Northern Lights, Inc., Northfork Electric Cooperative, Inc., Okanogan County Electric Co-op, Oregon Trail Elec. Consumers Co-op, Poudre Valley REA, Inc., Ravalli County Electric Cooperative, Inc., San Isabel Electric Assn., Inc., Socorro Electric Cooperative, Inc., Southeast Colorado Power Assn., Springer Electric Cooperative, Inc., TRICO Electric Cooperative, Inc., United Power, Inc., Wasco Electric Cooperative, Inc., West Central Electric Cooperative, Inc., White River Electric Assn., Inc.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: *Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740*
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) having (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project. (b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely

(b) (4)

(b) (4)

03/01/2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

January 31, 2018

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) having (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of Highline Electric Association, having offices at 1300 S Interoccean Ave Holyoke, CO 80734, 16107 HWY 14, Sterling CO, 80751 and 100 Main St, Ovid, CO 80744, in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

Letter of Commitment

February 21, 2023

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) having offices at (b) (4), in the development of the “Wildfire Assessment and Resilience for Networks (WARN)” project (“the Project”). (b) (4) proposes to work with Holy Cross Energy to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4)

(b) (4) is pleased to commit to the development of WARN projects under DOE’s BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

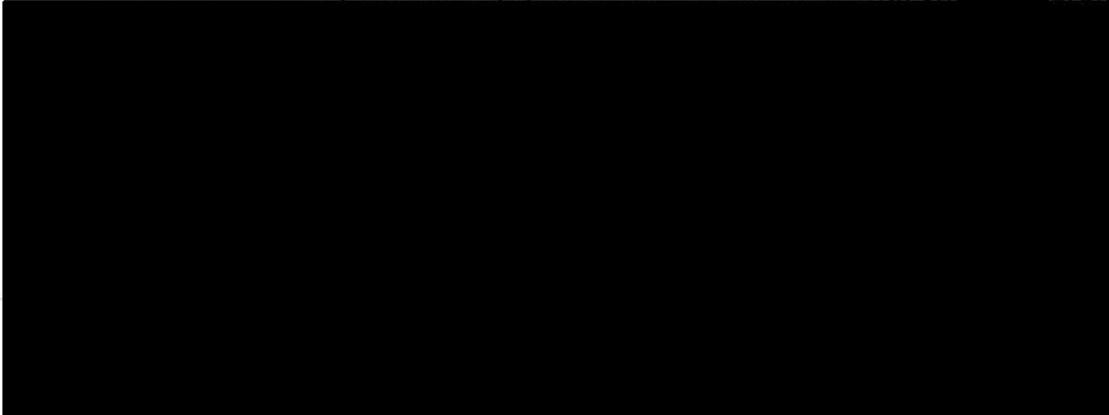
To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4)

(b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned to improve WARN.

Holy Cross Energy has brought together an extremely well-qualified, diverse, team for the Project. (b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on this letter or with on (b) (4) project support.



(b) (4)

February 15, 2023

U.S. Department of Energy, Grid Deployment Office Office of Clean Energy
Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy To Whom It

May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to continuing support of the Project.

(b) (4)

Sincerely,

(b) (4)

(b) (4)

February 18, 2023

U.S. Department of Energy, Grid Deployment Office Office of Clean
Energy Demonstrations
1000 Independence Ave SW Washington, DC
20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms [REDACTED] in the
“(b) (4)” Networks (WARN)” project (“the
methods to reduce the risk of wildfires. Initial grid
upgrade designs will be improved based on
planning methods to incorporate lessons learned from
upgrade projects will realize these objectives. The
data to improve WARN, both of which

(b) (4)

Assessment and Resilience for
effective, community-aware
to all wildfires. Initial grid
existing wildfire mitigation
benefits. The deployed grid
lessons learned and validation

Holy Cross Energy has brought to [REDACTED]

for the Project, including:

[REDACTED] is pleased to support Holy Cross Energy in its application under DOE’s BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to [REDACTED] continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

(b) (4)

February 16, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make them resilient to wildfires. Designs will be improved using WARN—an assessment tool that will adapt and extend wildfire mitigation methods to include cost, wildfire risk reduction, resilience, and community benefits. These will realize benefits for co-op members, while providing lessons learned and data to improve WARN to enable a wider dissemination of the methods.

Holy Cross Energy has formed a skilled, diverse, and driven team, including: (b) (4)

(b) (4)

(b) (4) is pleased to support Holy Cross Energy's application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand the DOE seeks to use and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying cost-effective upgrades including undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions, or with respect to our support of the Project.

(b) (4)

(b) (4)

(b) (4)

February 14, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4)

(b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including our cooperative (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to MVEA's continuing support of the Project.

(b) (4)

(b) (4)

2/10/2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

(b) (4)

(b) (4)

February 16, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including (b) (4). There is numerous cooperatives across the nation involved in this same effort. This project will allow us work that will help retain good paying jobs with quality benefits; all while mitigating wildfire in our area.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

(b) (4)

(b) (4)

February 20th, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 15, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy To Whom It

May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4), in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross

Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

02-17-2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy To Whom It

May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN-an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, bot ofwhich will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) Inc's continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

2/24/23

U.S. Department of Energy, Grid Deployment Office Office of
Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC
20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN-an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 16, 2023

U.S. Department of Energy, Grid Deployment Office Office of
Clean Energy Demonstrations
1000 Independence Ave SW Washington, DC
20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-
FOA-0002740
Letter of Commitment/Holy Cross Energy To

Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4), in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN-an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

2-13-2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 16, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 - Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to continuing support of the Project.

(b) (4)

Sincerely,

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4), in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN-an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 16, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including: (b) (4) all with the same initiative of improving the resiliency of the electric grid.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 17, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 27, 2023

U.S. Department of Energy, Grid Deployment Office Office of Clean Energy
Demonstrations
1000 Independence Ave SW Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-
0002740
Letter of Commitment/Holy Cross Energy To Whom It

May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4), in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project"). Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN-an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

Holy Cross Energy has brought together an extremely well-qualified, diverse, and enthusiastic team for the Project, including:

(b) (4)

(b) (4) is pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to (b) (4) continuing support of the Project.

(b) (4)

City

(b) (4)

[Redacted City Data]

State

[Redacted State Data]

Zip

[Redacted Zip Data]

REPORT FOR: Holy Cross Electric Assn, Inc

8773

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	15,617	11	Sales to Ultimate Consumers	1,210,410
2	Purchases from Electricity Suppliers	1,264,996	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	1,754
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	45,098
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)	-23,351			
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	1,257,262	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	1,257,262

REPORT FOR: Anza Electric Coop Inc

694

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	CA - 25471	
	Revenue (thousand dollars)	13,834.4
	Megawatthours (MWh)	75,406
	Number of Customers	4,949

REPORT FOR: Beartooth Electric Coop, Inc

1417

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	MT - 12825	WY - 12825
	Revenue (thousand dollars) 8,527.0	Revenue (thousand dollars) 906.4
	Megawatthours (MWh) 66,967	Megawatthours (MWh) 7,535
	Number of Customers 6,042	Number of Customers 520

REPORT FOR: Big Horn Rural Electric Co

1675

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	MT - 28503	WY - 28503
	Revenue (thousand dollars) 2,569.0	Revenue (thousand dollars) 13,023.0
	Megawatthours (MWh) 22,680	Megawatthours (MWh) 112,127
	Number of Customers 67	Number of Customers 3,896

REPORT FOR: Bridger Valley Elec Assn, Inc

2215

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	UT - 28503	WY - 28503
	Revenue (thousand dollars) 2,005.4	Revenue (thousand dollars) 10,411.7
	Megawatthours (MWh) 13,873	Megawatthours (MWh) 116,571
	Number of Customers 2,129	Number of Customers 4,744

REPORT FOR: Butte Electric Coop, Inc

2655

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	SD - 28503	
	Revenue (thousand dollars)	14,673.2
	Megawatthours (MWh)	107,701
	Number of Customers	6,597

REPORT FOR: Canadian Valley Elec Coop, Inc

2911

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

SOURCE OF ENERGY		MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	757,263
2	Purchases from Electricity Suppliers	792,459	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	656
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	34,540
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	792,459	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	792,459

REPORT FOR: Capital Electric Coop, Inc

2985

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	377,203
2	Purchases from Electricity Suppliers	393,241	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	16,038
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	393,241	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	393,241

REPORT FOR: Columbia Basin Elec Cooperative, Inc

4005

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	OR - 1738	
	Revenue (thousand dollars)	10,066.8
	Megawatthours (MWh)	121,991
	Number of Customers	3,954

REPORT FOR: Consumers Power, Inc

4743

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	411,691
2	Purchases from Electricity Suppliers	443,573	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	1,313
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	30,569
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	443,573	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	443,573

REPORT FOR: Cooperative L&P Assn Lake County

4346

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	MN - 56669	
	Revenue (thousand dollars)	13,177.5
	Megawatthours (MWh)	99,028
	Number of Customers	6,370

REPORT FOR: Cotton Electric Coop, Inc

4401

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	740,135
2	Purchases from Electricity Suppliers	770,653	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	65
5	Exchanged Net				
6	Wheeled Received (In)	5,606			
7	Wheeled Delivered (Out)	5,606	15	Total Energy Losses (positive number)	30,453
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	770,653	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	770,653

REPORT FOR: DS&O Electric Cooperative, Inc.

4704

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	KS - 59504	
	Revenue (thousand dollars)	20,566.5
	Megawatthours (MWh)	130,804
	Number of Customers	8,369

REPORT FOR: Fall River Rural Elec Coop Inc

6169

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	43,295	11	Sales to Ultimate Consumers	359,838
2	Purchases from Electricity Suppliers	366,826	12	Sales For Resale	22,775
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	3,389
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	24,119
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	410,121	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	410,121

REPORT FOR: Flathead Electric Coop Inc

6395

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	11,557	11	Sales to Ultimate Consumers	1,519,867
2	Purchases from Electricity Suppliers	1,604,336	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	2,724
5	Exchanged Net				
6	Wheeled Received (In)	112,660			
7	Wheeled Delivered (Out)	112,660	15	Total Energy Losses (positive number)	93,302
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	1,615,893	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	1,615,893

REPORT FOR: Garkane Energy Coop, Inc

6957

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

SOURCE OF ENERGY		MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	18,936	11	Sales to Ultimate Consumers	268,449
2	Purchases from Electricity Suppliers	267,338	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	403
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	17,422
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	286,274	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	286,274

REPORT FOR: Grand Valley Power

7563

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	324	11	Sales to Ultimate Consumers	254,718
2	Purchases from Electricity Suppliers	268,162	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	401
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	13,367
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	268,486	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	268,486

REPORT FOR: Highline Electric Assn

8570

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	429,832
2	Purchases from Electricity Suppliers	464,848	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	492
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	34,524
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	464,848	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	464,848

REPORT FOR: La Plata Electric Assn, Inc

10539

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	898,579
2	Purchases from Electricity Suppliers	938,759	12	Sales For Resale	181
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	1,907
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	38,092
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	938,759	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	938,759

REPORT FOR: Lea County Electric Coop, Inc

10817

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	1,177,093
2	Purchases from Electricity Suppliers	1,232,500	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	645
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	54,762
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	1,232,500	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	1,232,500

REPORT FOR: Lincoln Electric Coop, Inc

11022

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	MT - 1738	
	Revenue (thousand dollars)	12,143.0
	Megawatthours (MWh)	121,465
	Number of Customers	6,374

REPORT FOR: Midwest Electric Member Corp

12539

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	255,077
2	Purchases from Electricity Suppliers	276,711	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	382
5	Exchanged Net				
6	Wheeled Received (In)	64,856			
7	Wheeled Delivered (Out)	64,856	15	Total Energy Losses (positive number)	21,252
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	276,711	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	276,711

REPORT FOR: Missoula Electric Coop, Inc

12692

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	253,740
2	Purchases from Electricity Suppliers	268,353	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	60
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	14,553
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	268,353	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	268,353

REPORT FOR: Mountain View Elec Assn, Inc

13058

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	927,441
2	Purchases from Electricity Suppliers	976,114	12	Sales For Resale	798
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	2,005
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	45,870
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	976,114	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	976,114

REPORT FOR: Nodak Electric Coop Inc

12301

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	1,147,903
2	Purchases from Electricity Suppliers	1,181,221	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	33,318
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	1,181,221	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	1,181,221

REPORT FOR: Northfork Electric Coop, Inc

13838

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	OK - 59504	
	Revenue (thousand dollars)	20,988.4
	Megawatthours (MWh)	159,030
	Number of Customers	6,528

REPORT FOR: Northern Lights, Inc

13758

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	21,521	11	Sales to Ultimate Consumers	342,712
2	Purchases from Electricity Suppliers	346,190	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	1,262
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	23,737
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	367,711	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	367,711

REPORT FOR: Okanogan County Elec Coop, Inc

14074

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	WA - 1738	
	Revenue (thousand dollars)	6,356.4
	Megawatthours (MWh)	65,828
	Number of Customers	3,952

REPORT FOR: Poudre Valley REA, Inc

15257

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	1,360,556
2	Purchases from Electricity Suppliers	1,399,073	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	38,517
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	1,399,073	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	1,399,073

REPORT FOR: Ravalli County Elec Coop, Inc

26916

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	MT - 12825	
	Revenue (thousand dollars)	17,206.6
	Megawatthours (MWh)	174,168
	Number of Customers	11,471

REPORT FOR: Rushmore Electric Pwr Coop Inc

16443

REPORT PERIOD ENDING: 2022

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	
2	Purchases from Electricity Suppliers	1,295,533	12	Sales For Resale	1,295,533
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	1,295,533	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	1,295,533

REPORT FOR: San Isabel Electric Assn, Inc

16616

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	430,652
2	Purchases from Electricity Suppliers	462,833	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	1,959
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	30,222
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	462,833	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	462,833

REPORT FOR: Southeast Colorado Power Assn

17592

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	240,197
2	Purchases from Electricity Suppliers	266,241	12	Sales For Resale	3,576
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	668
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	21,800
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	266,241	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	266,241

REPORT FOR: Springer Electric Coop, Inc

17826

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	2,432	11	Sales to Ultimate Consumers	232,260
2	Purchases from Electricity Suppliers	237,885	12	Sales For Resale	4,844
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	3,213
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	240,317	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	240,317

REPORT FOR: Trico Electric Cooperative Inc

19189

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	424	11	Sales to Ultimate Consumers	790,794
2	Purchases from Electricity Suppliers	832,165	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	1,769
5	Exchanged Net				
6	Wheeled Received (In)	10,440			
7	Wheeled Delivered (Out)	9,781	15	Total Energy Losses (positive number)	40,685
8	Wheeled Net	659			
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	833,248	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	833,248

REPORT FOR: Wasco Electric Coop, Inc

20138

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	OR - 1738	
	Revenue (thousand dollars)	12,494.0
	Megawatthours (MWh)	109,953
	Number of Customers	4,709

REPORT FOR: West Central Electric Coop Inc - (SD)

20368

REPORT PERIOD ENDING: 2021

Schedule 4. Part A. Sales to Ultimate Customers. Full Service-Energy and Deliver Service (Bundled)

STATE / BA ID	SD - 59504	
	Revenue (thousand dollars)	16,884.0
	Megawatthours (MWh)	130,250
	Number of Customers	6,796

U.S. Department of Energy
Energy Information Administration
Form EIA-861 2021

**FORM EIA861
ANNUAL ELECTRIC POWER INDUSTRY REPORT**

Form Approval
OMB No. 1905-0129
Approval Expires 03/31/2023
Burdien: 12.75

REPORT FOR: 20576 White River Electric Assn, Inc REPORTING PERIOD: 2021

SCHEDULE 3, PART B. ENERGY SOURCES AND DISPOSITION

LINE NO.	ENERGY SOURCES	Megawatthours	LINE NO.	DISPOSITION OF ENERGY	Megawatthours
1	Net Generation	587	11	Sales to Ultimate Customers	602,700
2	Purchases from Electricity Suppliers	612,126	12	Sales For Resale	
3	Exchanged Received (In)	0	13	Energy Furnished W/O Charge	
4	Exchanged Delivered (Out)	0	14	Energy Consumed By Respondent W/O charge	896
5	Exchanged (Net)	0			
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	9,057
8	Wheeled (Net)	0			
9	Transmission By Others Losses (Negative No.)				
10	Total Sources (Sum of Lines 1, 2, 5, 6 & 7)	612,713	16	Total Disposition (Sum of Lines 11, 12, 13, 14 and 15)	612,713

Waiver of Buy America Requirements for Infrastructure Projects

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP) Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740 Assistance Listing Number: 81.254

Waiver Request - Application of Buy America Requirements for Infrastructure Projects

The Bipartisan Infrastructure Law ("BIL") established new Buy America requirements for infrastructure projects whose prime recipient is a "non-Federal entity," meaning a State, local government, Indian Tribe, Institution of Higher Education, or nonprofit organization. The BIL Buy America requirements 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.

As described in the accompanying Full Application, the Holy Cross Energy ("HCE") seeks funding under the BIL Grid Resilience and Innovation Partnerships (GRIP) program (DE-FOA-0002740) for the WARN project ("Project"). The Project includes infrastructure (as stated on FOA p.73-74), and prime applicant HCE is a tax-exempt nonprofit organization (a.k.a. a non-Federal entity). As such, HCE understands the BIL Buy America requirements apply to the Project.

HCE hereby requests that the Department of Energy ("DOE") waive the application of the BIL Buy America requirements to the Project. The following information is provided so that the DOE may evaluate this initial Buy America Waiver Request.

Note: The information provided in this initial Buy America Waiver Request is the best information available as of the date of submission of this Full Application. HCE will continue to refine the contents of this initial Buy America Waiver Request and will provide updates to DOE upon request. Upon Notice of Award, HCE will work with DOE to perform an in-depth analysis of all of the iron, steel, manufactured product, and construction materials to be used in the Project and update this initial Buy America Waiver Request accordingly.

Applicant Name:

Holy Cross Energy

Unique Entity Identifier:

JLYWB5VXQX85

Project Description and Location:

The Project is comprised of dozens of sub-projects located across the U.S. that will be executed by (b) (4). In general, the sub-projects will include a wide

(b) (4)

Total Estimated Cost of WARN

- Federal Share: \$99,328,430
- Cost Share: \$45,762,816
- Total Estimated Project Cost: \$145,091,246

Items Subject to Waiver:

As Prime Applicant for the Project, HCE communicated the Buy America requirements outlined in GRIP FOA Appendix C to the 39 participating electric cooperatives and sought information regarding each cooperative's anticipated use of iron, steel, manufactured products, and construction materials in their respective sub-projects.

At this time, (b) (4) participating electric cooperatives that responded with information regarding the Buy America status of their sub-projects believe their sub-projects may contain items that could require a waiver from Buy America requirements. These 15 cooperatives expect to import items including but not limited to: (b) (4)

The 15 cooperatives expect to import these items (b) (4) Only two cooperatives indicated that they may need to import limited items (b) (4)

A number of cooperatives indicated that at this early stage of project planning, with an anticipated period of performance of 60 months, specific sub-project components and the country(ies) of origin of those components are unknown at this time.

HCE has attached the individual responses of each of the 15 cooperatives for reference. Please refer to these individual responses for additional information including the anticipated cost of, and PSC and NAICS codes for, each item subject to waiver (where available).

Waiver Justification and Why Essential to the Project:

HCE understands that DOE may waive Buy America Requirements for certain infrastructure projects if in the public interest; if the iron/steel/manufactured products/constructions materials are not available in sufficient quality/quantity in the

U.S.; or if use of U.S. iron/steel/manufactured products/constructions materials would increase the project cost by more than 25%.

Nonavailability Waiver: While the waiver justification varies by item, 12 of 25 cooperatives have identified items that will likely need to be imported because such items are not produced in the U.S. in sufficient and reasonably available quantities or of a satisfactory quality. As an example, one cooperative notes that it will (b) (4)

Unreasonable Cost Waiver: One cooperative has identified a manufactured item that will likely need to be imported because the use of equivalent U.S. items would increase the sub-project cost by more than 25% (b) (4)

Public Interest Waiver: One cooperative has identified items that will likely need to be imported because applying the domestic content procurement preference would be inconsistent with the public interest of ensuring a safe and reliable electric system. The cooperative notes that it (b) (4)

Where available, initial due diligence performed by the cooperatives is summarized in the attached individual response forms.

Good Faith Effort Certification:

HCE hereby certifies that it has made, and will continue to make, a good faith effort to encourage the (b) (4) executing sub-projects that comprise the Project to solicit bids for domestic products supported by terms included in requests for proposals, contracts, and nonproprietary communications with potential suppliers. A number of participating cooperatives have indicated in the attached responses that they have and will continue to do so.

Anticipated Impact:

HCE and its electric cooperative members are committed to using as much U.S. iron, steel, manufactured product, and construction material as possible in the Project.

However, HCE and its members also recognize that certain segments of the current domestic supplier landscape are not yet developed enough to avoid the foreign-sourced items summarized above.

If no waiver is issued, the Project will not go forward as currently planned. As noted by the majority of 15 electric cooperatives in their respective response forms, if no waiver is issued, the individual sub-projects will face substantial (multi-year) delays while the cooperatives work with their respective supply chains to convince foreign suppliers to move operations to the U.S. or to develop and qualify domestic suppliers. While the impact to each sub-project will be different, in general such delays are likely to lead to cost increases for each sub-project, and for the Project as a whole. In addition to increased costs, any delay in implementation of the grid resilience improvements contemplated by the sub-projects will leave the aging U.S. grid vulnerable to continued disruption.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

(b) (4) asked it's material supplier to bring all (b) (4) that would be compatible with its electric system to its company offices. Our supplier displayed all devices that would be compatible with our electric system along with the pro's and con's of each device and in what situation they would be applied. (b) (4) as the safest and most reliable fit for our electric system. Our material supplier also provided a copy of the Buy America waiver given to (b) (4) It is very unique in its application.

Explain how the nondomestic item(s) is essential to the project.

These current-limiting protection devices are the essence of the Project. (b) (4)

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products?

Yes

Describe the terms you included in requests for proposals, contracts, and **nonproprietary communications** with potential suppliers. Attach copies if available.

All communications with our material supplier were via phone. It's a very simple request asking them to bring all associated (b) (4) for a "dog & pony" show.

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

If we do not have safe, reliable (b) (4) available, we will have no Project. Wildfire risk will continue (b) (4) are shorted and blow debris and sparks to the base of a power pole.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

Conversion of overhead lines to underground lines to minimize the risk of wildfire hazards and major snow and thunderstorms.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)				

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

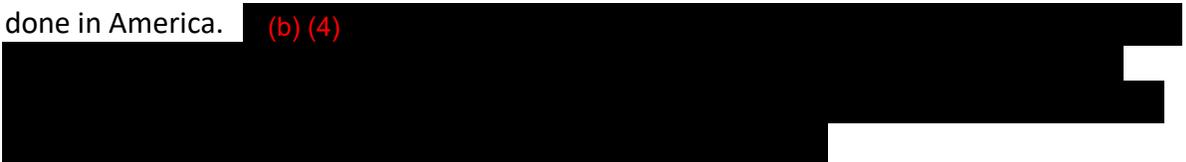
4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

A waiver for material “*not produced in the United States in sufficient and reasonably available quantities*” is requested. At the time of this writing, a response about the “Buy America Requirements” from the manufactures of the products listed above has not been received. Many of the products have components from all around the globe, with final manufacturing done in America. (b) (4)



5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Y

At this time, a verbal request has been made to determine which material qualifies for the “Buy America Requirements”. When the project is officially awarded, requests for quotes will be sent out to the vendors with request to identify which products meet the “Buy America Requirements” standard. Final material selection will be based on which products meet the “Buy America Requirements”.

6. Anticipated Impact to the Project:

The project would not move forward.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

- Not produced in the United States in sufficient and reasonable quantities. When our project is scheduled to start the procurement process, product availability might be an issue. If this is the case, then we will submit a waiver for this reason on materials that are difficult to procure in a reasonable time.

Describe due diligence you performed (e.g., market research, industry outreach).

- We have had Government Grant funded projects before and have adhered to the requirements for Buy America on previous projects. Our vendors that we have worked with on past projects have access to materials and equipment that meets these requirements. The availability of the materials and equipment can vary depending on how the market is at that specific time.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? (b) (4) has made, and will continue to make, a good faith effort to solicit bids for domestic products.

Describe the terms you included in requests for proposals, contracts, and nonproprietary communications with potential suppliers. Attach copies if available.

- We have had contact with vendors that have supplied (b) (4) with material for projects with Buy America requirements on past projects. We will be using the same suppliers for this project.

6. Anticipated Impact to the Project:

- When this project is planned to start if there are any supply chain issues, or there are not sufficient manufacturing slots available this will have a substantial impact on build schedule. There are other suppliers that can acquire resources in the allotted project timeline, but they do not meet Buy America requirements. There can be situations where we will need to have waivers for certain materials based on availability.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

Conversion of 3.3 miles of overhead to underground in a wildfire risk area. The project will reduce the risk of wildfires started by the utility as well as resilience against wildfires that may go through the area.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

The types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality.

Reached out to multiple vendors asking about the origin of the materials for the manufactured products and are still awaiting answers.

Mexico is a “North American Free Trade Agreement” (NAFTA) country that meets the Buy American Act in the FAR agreement per clause #52.225-5/52.225-11.

The nondomestic items are essential to the project so that we can complete the project in a reasonable amount of time and without excessive spending. These products are crucial for proper installation of underground cable.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Yes

(b) (4) has made and will continue to make, a good faith effort to solicit bids for domestic products.

6. Anticipated Impact to the Project:

If no waiver is issued, (b) (4) Project would not go forward as currently planned. The Project would face substantial multi-year delays while (b) (4) works to develop and qualify a US supplier.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)
[Redacted]
[Redacted]
[Redacted]
[Redacted]

2. Brief Project Description:

(b) (4)
[Redacted]
[Redacted]
[Redacted]
[Redacted]

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
Add				

*A PSC is a **four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government.** The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

GRIP Topic Area 1 - DE-FOA-0002740

Buy America Data Call

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

At this time, we do not believe that any of our supplies will require a waiver. We believe that our project can be completed with supplies that comply with BABA.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? **Yes**

We have reached out to multiple suppliers and confirmed that our brand specific items comply with BABA. To our knowledge, we do not need a waiver for any of our supplies.

6. Anticipated Impact to the Project:

If we ultimately need a waiver, and one is not issued, we will have to change our standard operating procedures to accommodate approved material.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information: (b) (4)

2. Brief Project Description: (b) (4)

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
Add				

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes. We have been unable to secure individual component service codes from our vendor that supplies the communication equipment. Some of the components are non-American made. See below for justification of waiver.

Note: (b) (4) do comply with Buy American.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:
- Applying the Buy America requirements would be inconsistent with the public interest (a “public interest waiver”);
 - The types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality (a “nonavailability waiver”); OR

GRIP Topic Area 1 - DE-FOA-0002740

Buy America Data Call

- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”). It is imperative that we stay with our existing technology. To move away from our current provider/vendor would not only increase the cost of this project but would create issues with our system communications, in general. The cost to comply with Buy American would be prohibitive and (b) (4) would not be able to participate.

Describe which justification applies to your situation. See above.

Describe due diligence you performed (e.g., market research, industry outreach). Industry outreach. Over 80% of the project cost complies with Buy American (the (b) (4) and other material). The remaining 20% partially complies. To comply, we would have to switch vendors. Switching vendors means switching out existing technology for the whole system which doesn't even make sense. To say that it would be cost prohibitive is an understatement.

Explain how the nondomestic item(s) is essential to the project. We must have communication with the (b) (4) that is consistent with the communication of our whole system. “Some” of the component parts of the communication equipment are not American made. We have been unable to secure an individual component list.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Y/N Yes

Describe the terms you included in requests for proposals, contracts, and nonproprietary communications with potential suppliers. Attach copies if available. For the (b) (4) (which comply with Buy American), we have an email communication (see attached). For the communication equipment, we have only phone conversations. They have indicated that they need additional time and information to provide a list.

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued. (b) (4) would not be able to move forward with the project.

(b) (4)

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

*A PSC is a **four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government**. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

1. We have inquired with our preferred vendor who is doing their homework to provide accurate data with the new Buy American guidelines issued in the Bipartisan Infrastructure Law. Presently they believe Made in America would increase the overall project cost by more than 25%. However, at the time we issue the official RFP for this or a comparable product, we will have language in the RFP stating that we are looking for a made in America product and will purchase that if it is available and does not increase the cost of the overall project by more than 25%.
- 2-4. We have inquired with our preferred vendor who is doing their homework to provide accurate data with the new Buy American guidelines issued in the Bipartisan Infrastructure Law. Presently they believe this product may not be produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality. However, at the time we issue the official RFP for this or a comparable product, we will have language in the RFP stating that we are looking for a made in America product and will purchase that if it is available and does not increase the cost of the overall project by more than 25%.

Describe the due diligence you performed (e.g., market research, industry outreach).

At this point we have reached out to our usual and preferred vendors to gauge what they have that qualifies as Buy American according to the language in the Bipartisan Infrastructure law. When we are at the procurement stage of the project, we will use language in our RFPs that will specify those conditions are met if possible.

Explain how the nondomestic item(s) is essential to the project.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. (b) (4)
[Redacted]
2. [Redacted] Although this manufacturer does stamp, bend, assemble, and cut the metal works for this device they presently do not manufacture the actual steel and iron per the requirements.
3. (b) (4)
[Redacted] may come from the United States depending on availability at the time, (b) (4) all comes from the United States and the (b) (4) could come from the United States or a foreign country depending on circumstances. Currently, they are not able to guarantee the required elements of Buy American for this project.
4. (b) (4)
[Redacted] Although this manufacturer does stamp, bend, assemble, and cut the metal works for this device they presently do not manufacture the actual steel and iron per the requirements.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products?

Yes, we will make good faith efforts to solicit bids for domestic products and certify that we did so.

Describe the terms you included in requests for proposals, contracts, and nonproprietary communications with potential suppliers. Attach copies if available.

This will be a section included in all RFPs sent out for our project:

MADE IN AMERICA

For this project (b) (4) intends to use products that are manufactured in the United States. The Respondent shall provide a list all major materials to be used for construction and state which items and materials are manufactured or substantially manufactured in the United States of America.

For this RFP, Made in America shall use the definition detailed in the Bipartisan Infrastructure Law and conform to the following details:

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- All manufacturing processes for the iron and steel, from the initial melting stage through application of coatings, occurred in the U.S.
- The product was manufactured (more than mere assembly) in the U.S., and the cost of the components of the product that are mined, produced, or manufactured in the U.S. is greater than 55% of the total cost of all components of the product
- All manufacturing processes for the materials occurred in the U.S.

For any product or material not meeting the above Made in America standards, the Respondent shall identify the applicable country where the manufacturing took place.

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

Without the waiver, especially for the (b) (4) this project will not move forward.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information: (b) (4)

2. Brief Project Description: (b) (4) in strategic high wildfire risk areas across our service territory to enhance our wildfire mitigation through smart (b) (4)

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)		(b) (4)		

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

Although these units are made (assembled) in the USA, after many weeks of working with (b) (4) to identify the country of origin for the components of the (b) (4), we are unable to satisfactorily claim these units are BABAA compliant. Furthermore, we cannot find another resource that can provide proof of BABAA compliance for similar (b) (4), therefore we seek a nonavailability waiver.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Yes. We have learned from our supplier base that we cannot identify any other (b) (4) products that immediately satisfy the BABAA requirements.

6. Anticipated Impact to the Project:

If no waiver is signed, our project made possible by these associated grant funds will not go forward as planned.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4) – [REDACTED]

2. Brief Project Description:

Rebuilding 69 kV transmission line

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

A PSC is a **four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government.** The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Sourcing of all components is unknown at this point. It is believed that they would be manufactured in the US and that at least 55% of components would also be US-sourced but information isn’t all available currently.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

Further researched will be performed to attempt to buy products that are manufactured and completely sourced in the US.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Yes

Requests for bids will specify US manufactured and sourced products.

6. Anticipated Impact to the Project:

Project would not be possible if US sourced materials are not available and no waiver was granted.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)



2. Brief Project Description:

To mitigate the ever-increasing risk of wildfire, and improve system resilience and reliability, (b) (4) seeks to (b) (4) in the (b) (4) area over 5 years.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)				

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

Non-Availability Waiver ■ The types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality.

Describe due diligence you performed (e.g., market research, industry outreach).

(b) (4) consulted and investigated several manufacturers and distributors without being able to establish the country of origin on the listed products.

All additional products to complete the project were investigated and Buy American qualifying products can be sourced for those items.

Explain how the nondomestic item(s) is essential to the project.

Grounding of electrical equipment is required by NECS code. These items are essential hardware needed to complete the proposed construction.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Y

Describe the terms you included in requests for proposals, contracts, and **nonproprietary communications** with potential suppliers. Attach copies if available.

(b) (4) contacted several suppliers with a request for quote and documentation regarding country of origin.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

The items listed for waiver are essential to complete the project. Eliminating these items would require significant changes to standard construction and best engineering practices.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

(b) (4)

Overhead to Underground replacement

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
N/A				

*A PSC is a **four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government.** The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

(b) (4)

plans on buying all American products so a waiver is not needed.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Yes

6. Anticipated Impact to the Project:

Buying all American may create a delay in completion times because of current longer lead times for numerous parts.

(b) (4)

(b) (4)

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

The project includes a new 3-phase underground power line, a new cable installed under river or submarine cable and rebuild & re-conductor an existing overhead line.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)				
Add				

*A PSC is a **four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government.** The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

(b) (4) Canada and USA. (b) (4)
in Canada. The manufacturer is unable to provide information as to (b) (4)
(USA or Canada) and (b) (4) in Canada.

Describe due diligence you performed (e.g., market research, industry outreach).

(b) (4) reached out to our vendors for this product.

Explain how the nondomestic item(s) is essential to the project.

(b) (4) are necessary for upgrading the overhead portion of our powerline project. (b) (4)

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Y/N

Yes.

Describe the terms you included in requests for proposals, contracts, and **nonproprietary communications** with potential suppliers. Attach copies if available.

See attached.

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

The section of line would not get upgraded, or (b) (4) would need to incur significant more costs to procure (b) (4).

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

2. Brief Project Description:

The (b) (4) project concept is to relocate and replace an antiquated overhead primary power line with underground primary power. The existing 7.2 kV overhead line route cuts through 1.7 miles of the (b) (4) which is completely inaccessible in the winter due to snow, and mostly inaccessible during the summer months due to the risk of equipment caused wildfire. The new route would place an underground primary line (b) (4) allowing accessibility throughout the year, improve reliability for consumers and reduce the risk of wildfire in (b) (4).

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

The types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities.

Describe due diligence you performed (e.g., market research, industry outreach).

(b) (4) has contacted our 2 main distributors, (b) (4), in an effort to see if we can acquire Made In America supplies that meet our utility specifications for safety and quality. Our utility is in a remote part of the state, and our options are limited in distributors. Both entities were able to accommodate the Buy American standards except for a couple of pieces of equipment listed in Table 3, that are essential to our project.

Explain how the nondomestic item(s) is essential to the project.

(b) (4) has specific guidelines we use when building our electrical grid system that follows industry standards, utility grade equipment, and OSHA compliant methods and practices. The equipment and gear used is essential to the project because it has proven itself safe and reliable throughout our industry. (b) (4) is a standard piece of gear used in nation-wide applications of (b) (4). (b) (4) are also essential to this project as they provide the crew as safe working area for making pad mount connections and strong enough to withstand our inclimate soil and weather. (b) (4)

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? **Y/N**

Yes

Describe the terms you included in requests for proposals, contracts, and nonproprietary communications with potential suppliers. Attach copies if available.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

The terms (b) (4) used when contacting our suppliers and distributors was directly from the language from the Build America, Buy American Act of 2021. We asked if the materials (b) (4) needed for this project met following conditions;

1. All iron and steel used in the project is produced in the United States—this means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States;
2. All manufactured products used in the project are produced in the United States—this means the manufactured product was manufactured in the United States; and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation; and
3. All construction materials are manufactured in the United States—this means that all manufacturing processes for the construction material occurred in the United States.

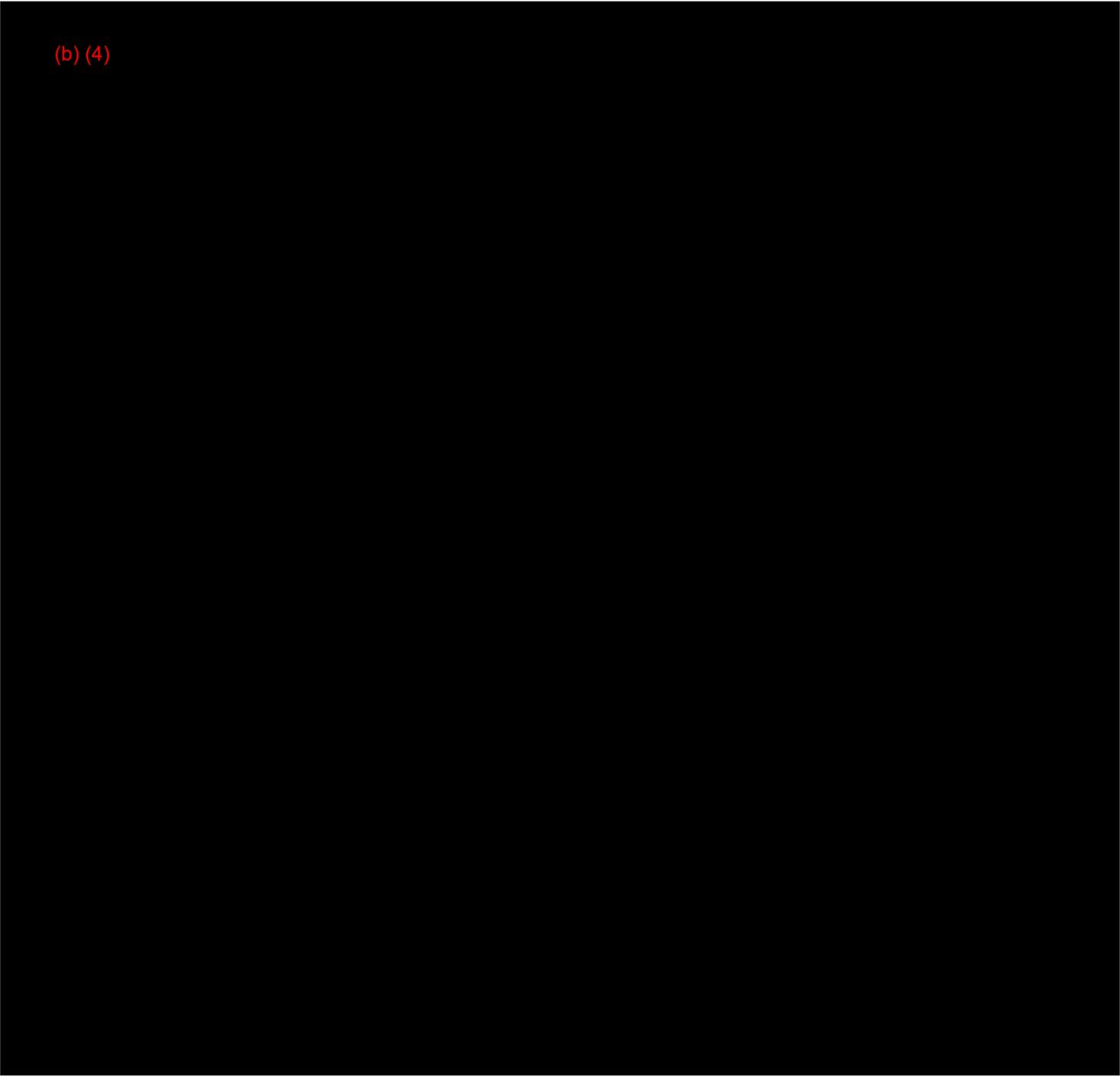
We asked for written confirmation from the manufacturers if these conditions were met, and if not, what material did not meet those conditions (see attached documents). After receiving the list of two (2) items that did not meet the above conditions, (b) (4) performed due diligence in acquiring similar equipment from other manufacturers without sacrificing safety or quality, and was not able to find suitable replacements.

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

The impact on this project if no waiver is issued would be to either cancel the project or wait until domestic options were made available to meet the Build America, Buy America Act. Unfortunately, the risks of not doing this project would still exist and delaying the project would only increase the future costs and ultimately, adversely affect our members.

(b) (4)



GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

The proposed project activities include the conversion from overhead to underground 9 miles of power lines in high-risk wildfire areas, replacin (b) (4) All of these will aid in preventing ignition of fires in these areas.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)		(b) (4)		

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);

GRIP Topic Area 1 - DE-FOA-0002740

Buy America Data Call

- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”).

Describe due diligence you performed (e.g., market research, industry outreach).

- Industry Research and Market research has been performed.

Explain how the nondomestic item(s) is essential to the project.

- This items in question are essential to the project, as the wildfire mitigation technology is built into the product themselves.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Y/N

Yes

Describe the terms you included in requests for proposals, contracts, and **nonproprietary communications** with potential suppliers. Attach copies if available.

(b) (4)

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

It would be a significant impact on the project if we are unable to utilize the devices that have been selected. The project is for wildfire mitigation, and these (b) (4) are a significant portion of that.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

Conversion of overhead lines to underground lines to minimize the risk of wildfire hazards and major snow and thunderstorms.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)				

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

- 4. Waiver Justification:** DOE may grant a waiver if one of the following justifications is met:
- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
 - The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

A waiver for material “*not produced in the United States in sufficient and reasonably available quantities*” is requested. At the time of this writing, a response about the “Buy America Requirements” from the manufactures of the products listed above has not been received. Many of the products have components from all around the globe, with final manufacturing done in America. (b) (4)



5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Y

At this time, a verbal request has been made to determine which material qualifies for the “Buy America Requirements”. When the project is officially awarded, requests for quotes will be sent out to the vendors with request to identify which products meet the “Buy America Requirements” standard. Final material selection will be based on which products meet the “Buy America Requirements”.

6. Anticipated Impact to the Project:

The project would not move forward.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description: Perform tree maintenance and add fire resistant wrap.

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	<u>Relevant Product and Service Codes (PSC)*</u>	<u>Relevant NAICS Code</u>
(b) (4)				
Add				

*A PSC is a four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government. The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be inconsistent with the public interest (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality (a “nonavailability waiver”); OR

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Do not believe there is a similar product made in the US.

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? Yes

6. Anticipated Impact to the Project:

Not aware of similar product.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

1. Cooperative Name & Contact Information:

(b) (4)

2. Brief Project Description:

3. Items Subject to Waiver: Complete the table below with information about the iron, steel, manufactured product, and/or construction material for which you require a waiver.

Item Name (iron, steel, manufactured product, construction material)	Cost	Country(ies) of Origin (if known)	Relevant Product and Service Codes (PSC)*	Relevant NAICS Code
(b) (4)				
Add				

*A PSC is a **four-digit code that describes a product, service, or research and development (R&D) activity purchased by the federal government.** The Product and Service Codes Manual maintained by the General Services Administration (GSA) lists all the existing product/service codes.

4. Waiver Justification: DOE may grant a waiver if one of the following justifications is met:

- Applying the Buy America requirements would be **inconsistent with the public interest** (a “public interest waiver”);
- The types of iron, steel, manufactured products, or construction materials are **not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality** (a “nonavailability waiver”); OR
- The inclusion of iron, steel, manufactured products, or construction materials produced in the United States will **increase the cost of the overall project by more than 25 percent** (an “unreasonable cost waiver”).

Describe which justification applies to your situation.

As explained to me the (b) (4) as it is not produced in the US in sufficient quantities.

GRIP Topic Area 1 - DE-FOA-0002740
Buy America Data Call

Describe due diligence you performed (e.g., market research, industry outreach).
As reported by manufactures.

Explain how the nondomestic item(s) is essential to the project.

(b) (4)

5. Good Faith Effort Certification:

Are you willing to certify that you have made a good faith effort to solicit bids for domestic products? **Y/N** Yes

Describe the terms you included in requests for proposals, contracts, and **nonproprietary communications** with potential suppliers. Attach copies if available.

Done via phone calls at this point.

6. Anticipated Impact to the Project:

Describe the anticipated impact to the project if no waiver is issued.

The project would not happen.

(b) (4)

Principal Investigator (Name, Address if different than Applicant's, Phone Number, E-mail):

Name: Bryan Hannegan
E-mail: bhannegan@holycross.com
Phone: 970-947-5402
Address: 3799 Hwy 82, P.O. Box 2150, Glenwood Springs, CO 81602

Business Point of Contact (Name, Address if different than Applicant's, Phone Number, E-mail):

Name: Bryan Hannegan
E-mail: bhannegan@holycross.com
Phone: 970-947-5402
Address: 3799 Hwy 82, P.O. Box 2150, Glenwood Springs, CO 81602

Include any statements regarding confidentiality.

Federal Share: \$99,328,430

Cost Share: \$45,762,816

Total Estimated Project Cost: \$145,091,246

Item 1: Specify (mark with "X") the FOA Topic Area and as applicable the Area of Interest (AOI):

Topic Area 1: **Grid Resilience Grants** (BIL section 40101(c))

Topic Area 2: **Smart Grid Grants** (BIL section 40107)

Topic Area 3: **Grid Innovation Program** (BIL section 40103(b)) – Area of Interest 1
(Transmission System Applications)

Topic Area 3: **Grid Innovation Program** (BIL section 40103(b)) – Area of Interest 2
(Distribution System Applications)

Topic Area 3: **Grid Innovation Program** (BIL section 40103(b)) – Area of Interest 3
(Combination System Applications)

TOPIC AREA 1 Specific Items:

Item 2: Specify (mark with "X") the entity type of the applicant organization:

electric grid operator

electricity storage operator

electricity generator

transmission owner or operator

distribution provider

fuel supplier

If further description is needed for the specified entity type, please provide below:

Item 3: Please provide the total amount (USD) of qualifying resilience investments (as outlined in DE-FOA-00002740) that has been spent for the previous 3 years. Please also provide the time period utilized for calculation of this amount.

Total Amount: (b) (4)

Time Period for Resilience Investments: (b) (4)

Note: Topic Area 1 applicants must submit as part of their application, a report detailing past, current, and future efforts by the eligible entity to reduce the likelihood and consequences of disruptive events. This report should include efforts over at least the previous 3 years and at least the next 3 years and any broader resilience strategy used by the applicant.

Item 4: Is the eligible entity a Small Utility as defined in DE-FOA-0002740 (sells no more than 4,000,000 MWh of electricity per year)? If NO is selected, skip to Item 7.

Yes

No

Note: If YES, applicant must provide their Form 861 for the last reporting year submitted to the Energy Information Administration (EIA).

Item 5: Per BIL section 40101(e)(2) (C) APPLICATION LIMITATIONS.—An eligible entity may not submit an application for a grant provided by the Secretary under subsection (c) and a grant provided by a State or Indian Tribe pursuant to subsection (d) during the same application cycle.

Therefore, is the eligible entity a Subaward/Subcontract recipient for an application submitted under IJJA Section 40101(d), ALRD 2736? If “YES”, please describe the differences between the GRIP FOA 2740 application [40101(c)] and the ALRD 2736 [40101(d)] applications in the box below:

Yes

No

TOPIC AREA 2 Specific

No items

TOPIC AREA 3 Specific

Item 6: Specify (mark with “X”) the entity type of the applicant organization:

a State

a combination of 2 or more States

an Indian Tribe

a unit of local government

a public utility commission

If further description is needed for the specified entity type, please provide below:

Item 7:

Authorized Organizational Representative (AOR): please provide name, address, phone number and email address for the authorized agent to bind the entity

Authorized Organizational Representative (AOR):

Name: Bryan Hannegan
E-mail: bhannegan@holycross.com
Phone: 970-947-5402
Address: 3799 Hwy 82, P.O. Box 2150, Glenwood Springs, CO 81602

Item 8: Signature of Authorized Organizational Representative (AOR)



4/6/2023

Project Title: Wildfire Assessment and Resilience for Networks (WARN)

Report on Resilience

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)

Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740

Assistance Listing Number: 81.254

FOA Topic Area: 1, Grid Resilience Grants

Lead Organization: (b) (4)

Technical Point of Contact	Business Point of Contact
(b) (4)	Name: Dr. Bryan Hannegan
	E-mail: bhannegan@holycross.com
	Phone: 970-947-5402
	Address: 3799 Hwy 82, P.O. Box 2150, Glenwood Springs, CO 81602

Team Member Organizations and Key Personnel:

Organization	State	Key Personnel	Organization	State	Key Personnel
--------------	-------	---------------	--------------	-------	---------------

(b) (4)

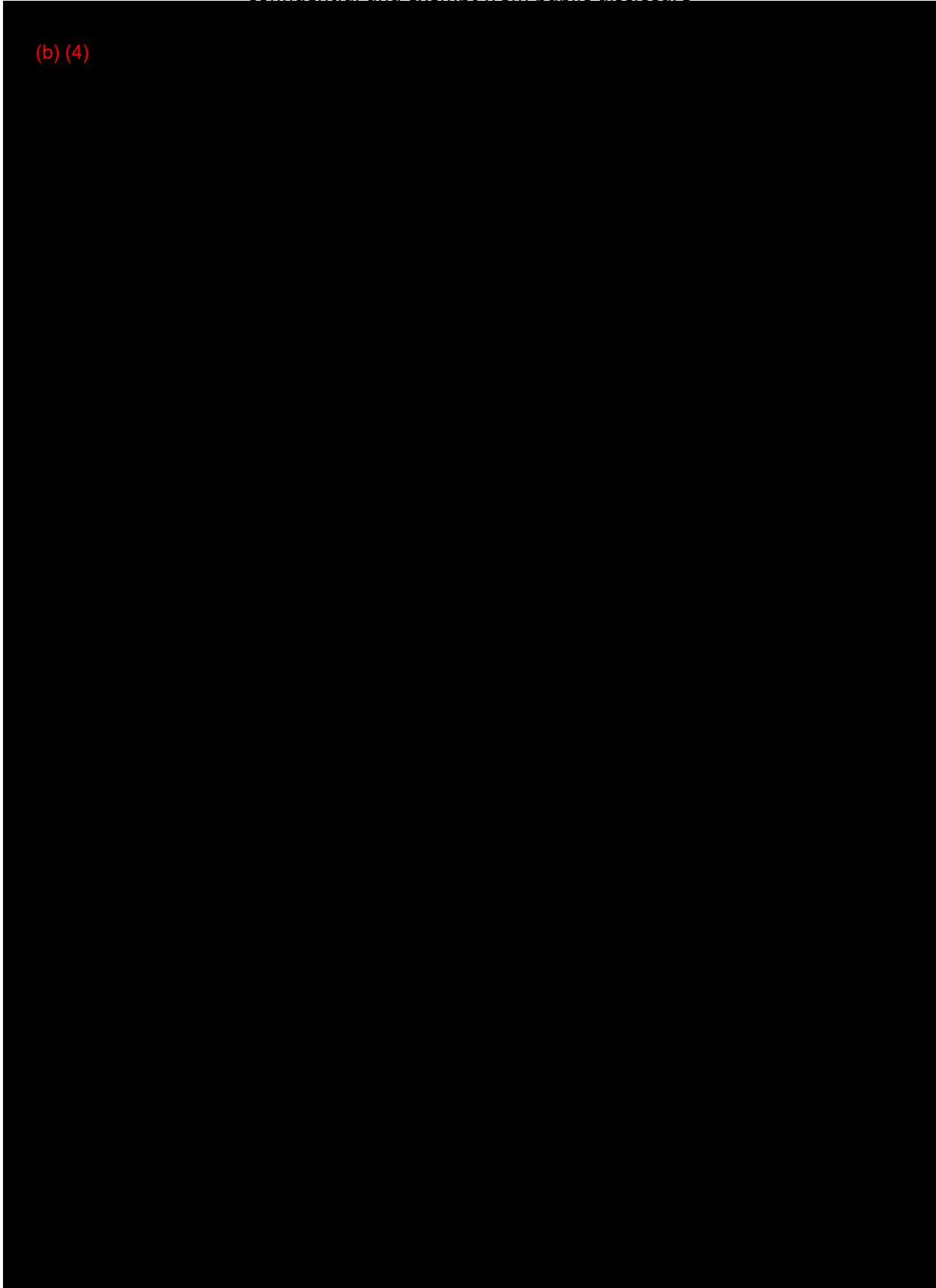
1. Overview of Efforts to Reduce the Likelihood and Consequences of Disruptive Events

Cooperative	Past Resilience Investments (\$K)				Projected Resilience Investments (\$K)			
	2020	2021	2022	3-Year Total	2023	2024	2025	3-Year Total

(b) (4)

May contain trade secrets or commercial or financial information that is privileged or confidential and exempt from public disclosure

(b) (4)



May contain trade secrets or commercial or financial information that is privileged or confidential and exempt from public disclosure

(b) (4)

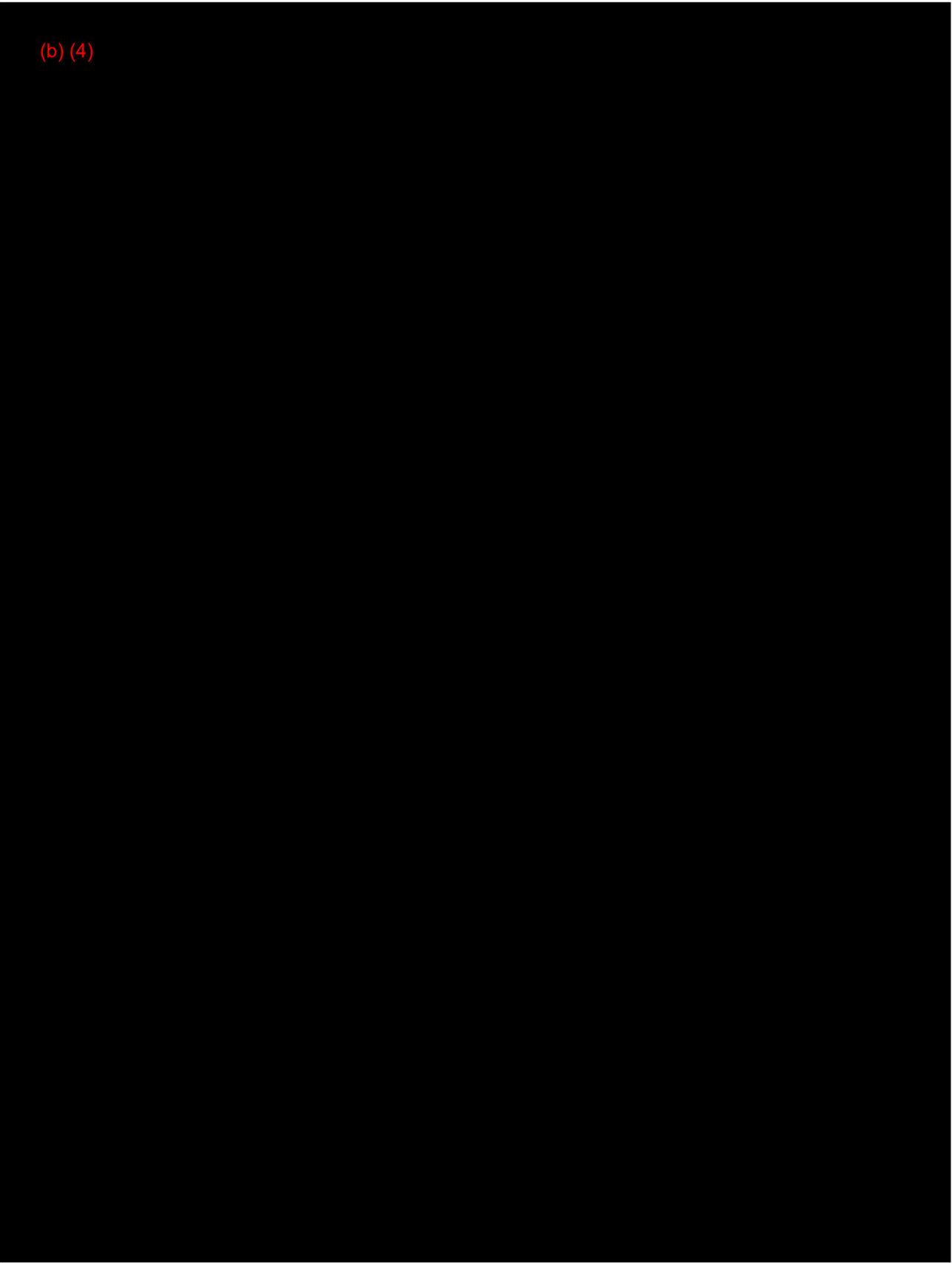
Total				(b) (4)					

2. Funding to Reduce Disruptive Events

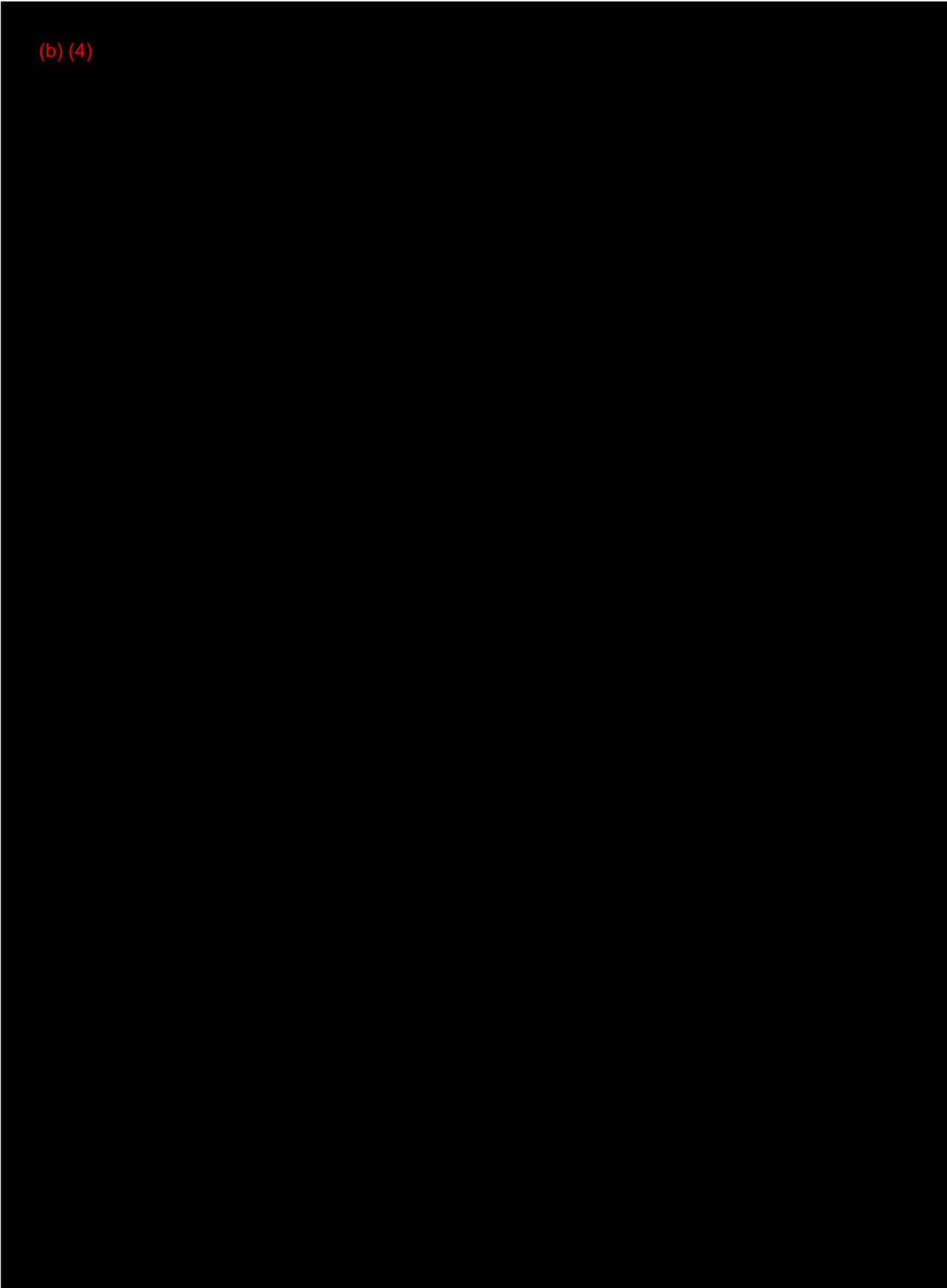
2.1. Past And Current Spending

(b) (4)

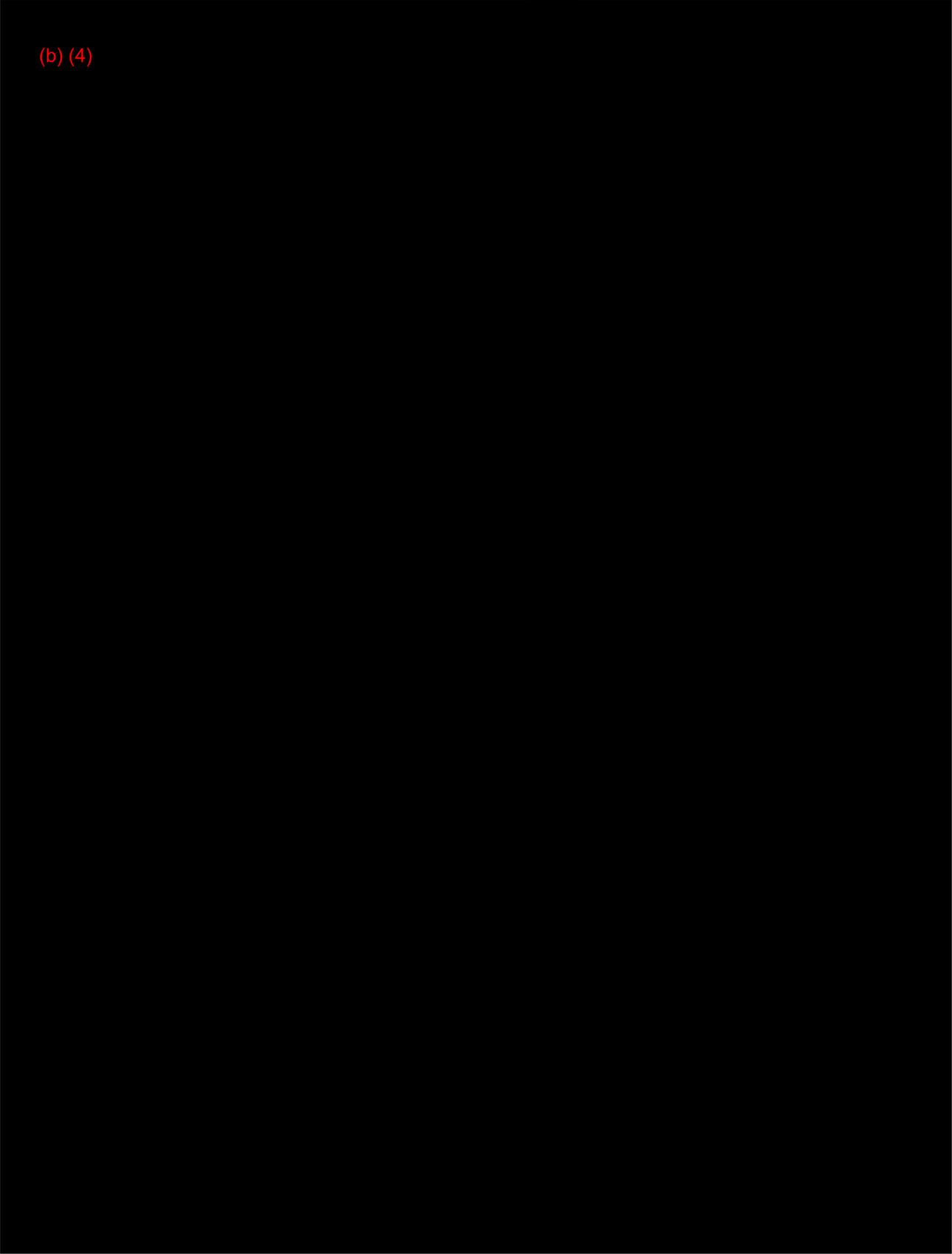
(b) (4)



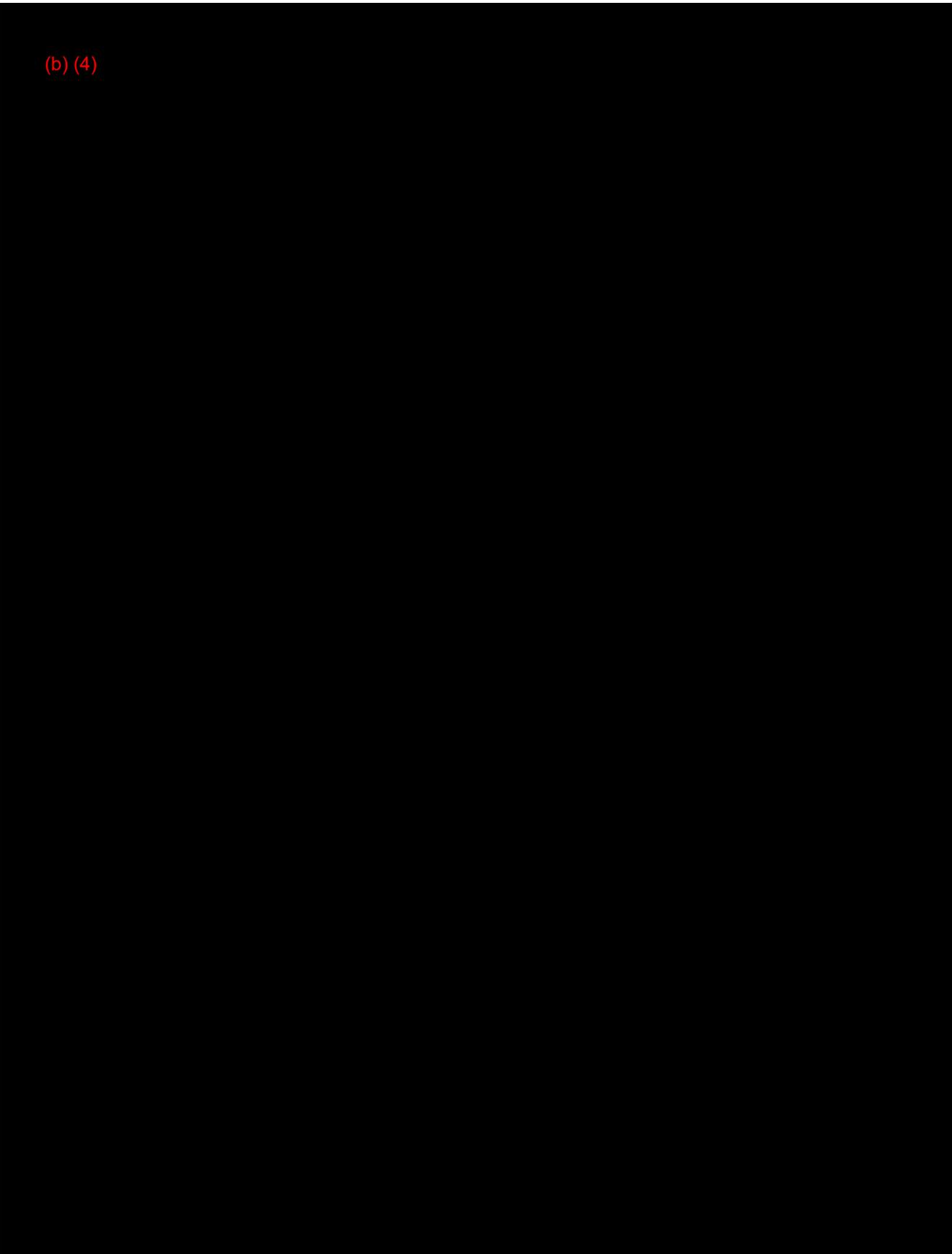
(b) (4)



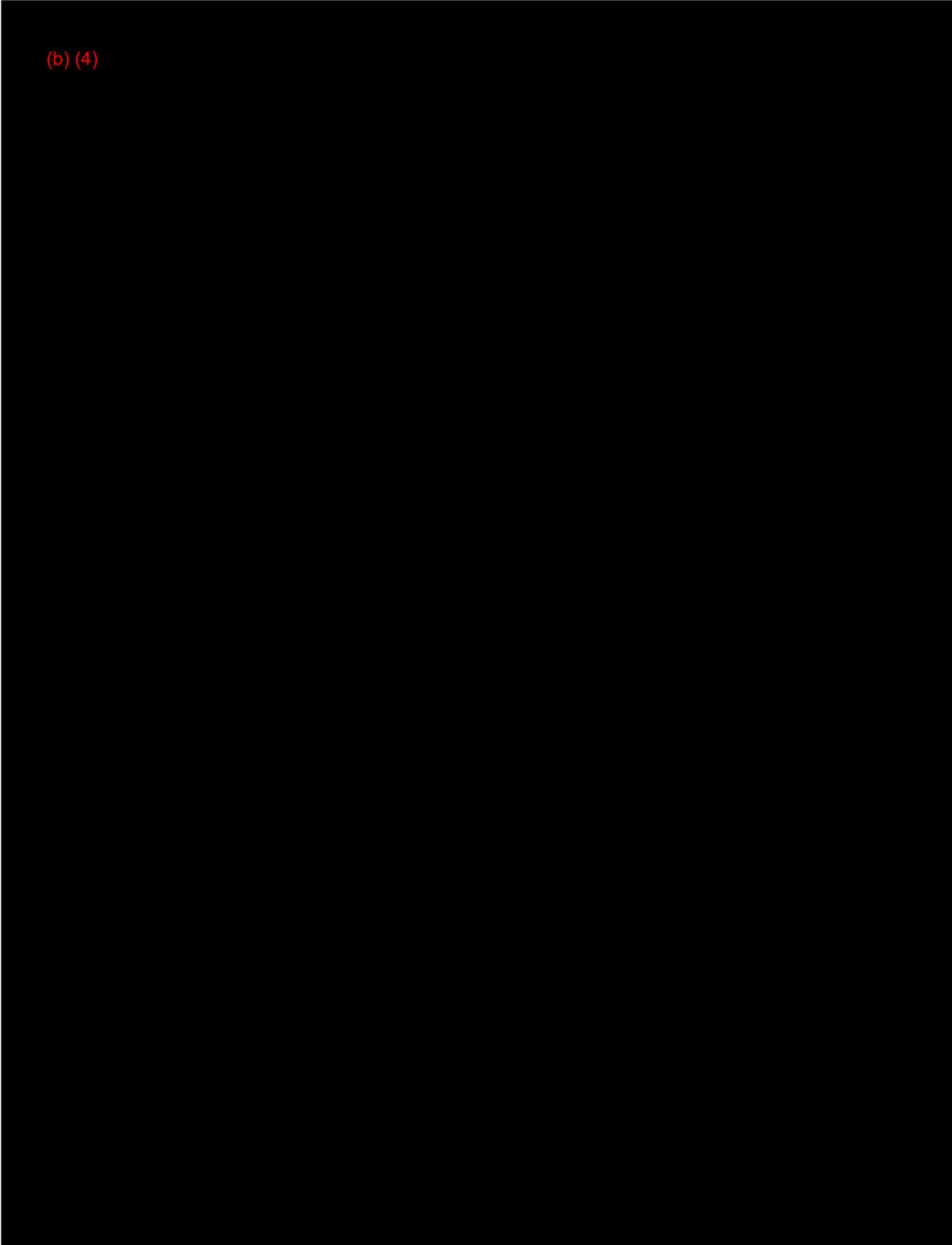
(b) (4)



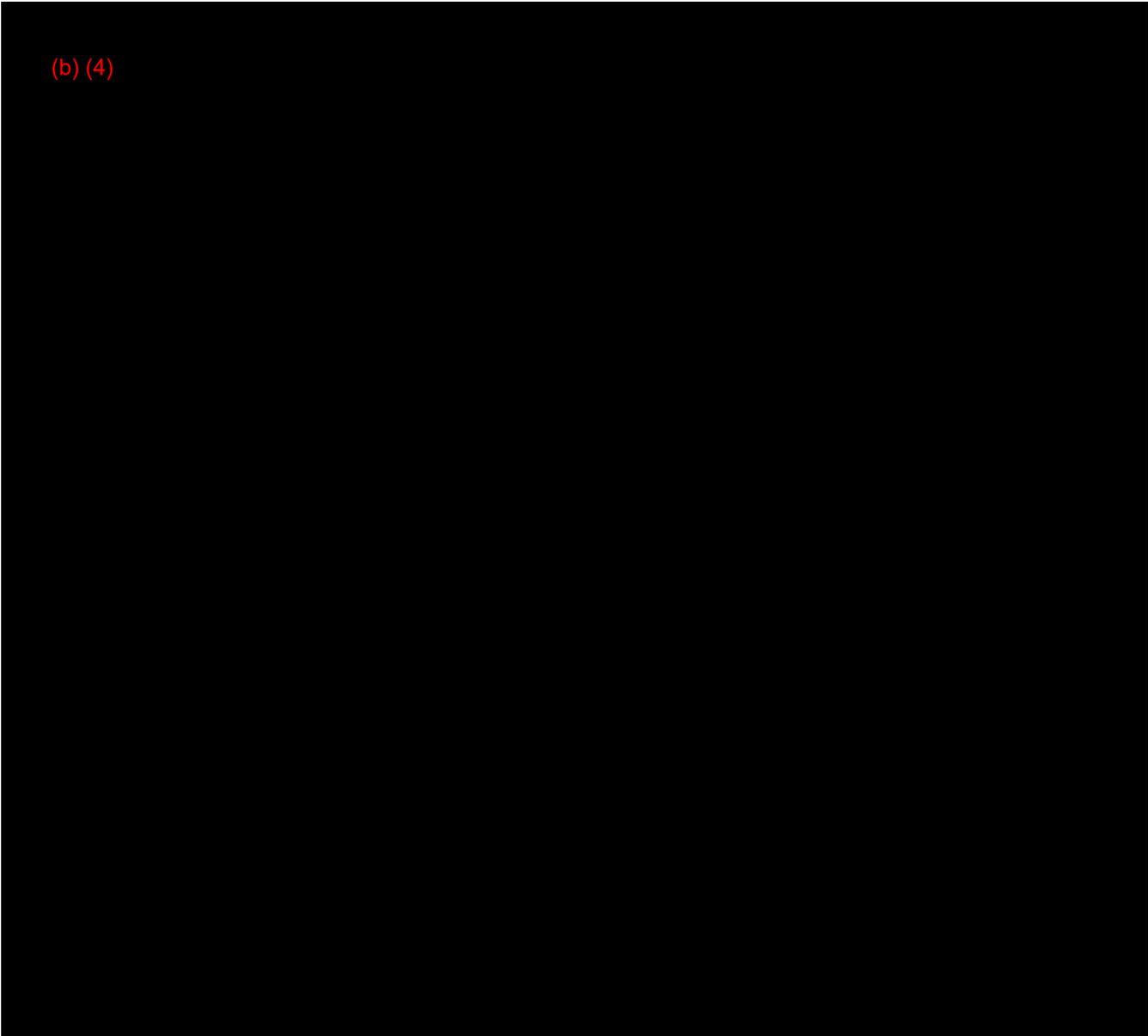
(b) (4)



(b) (4)



(b) (4)



Community Benefits Plan: Job Quality and Equity

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)

Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740

Assistance Listing Number: 81.254

Wildfire Assessment and Resilience for Networks (WARN)

Community Benefits Plan

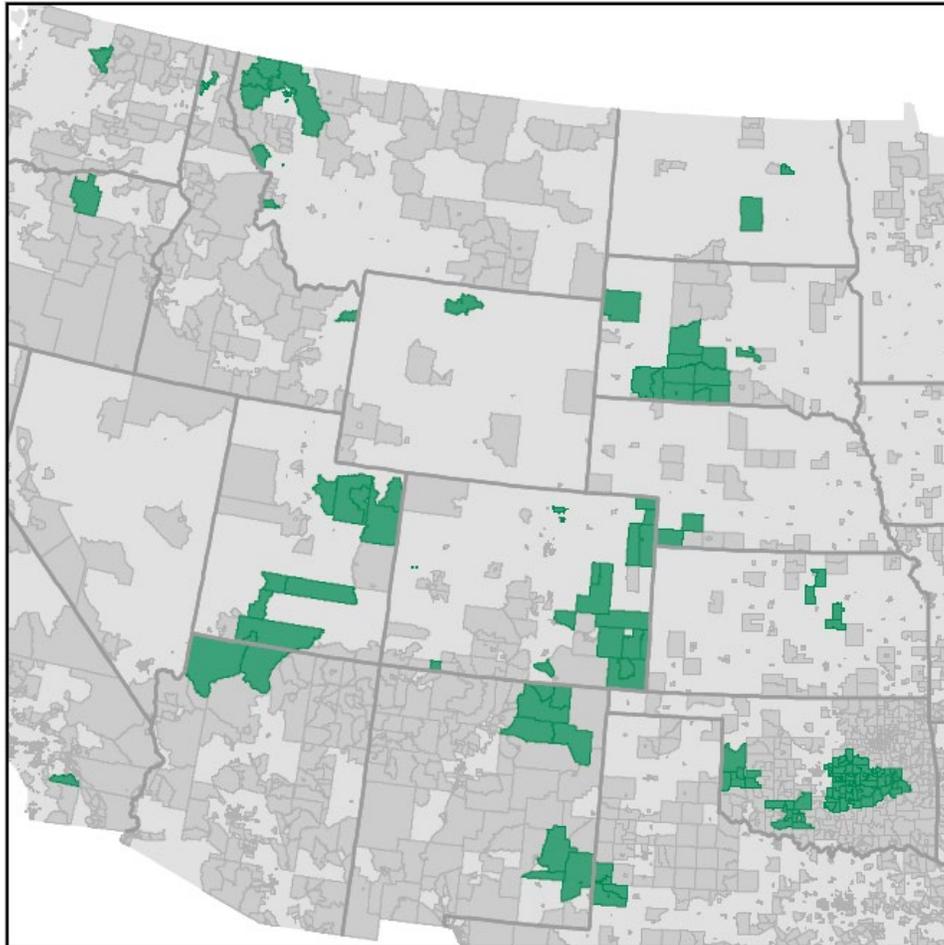
Holy Cross Energy (“HCE” or the “Applicant”), in conjunction with NRECA Research, is proposing a wildfire risk mitigation project with a consortium of 39 small, rural, not-for-profit electric cooperatives under persistent threat of large-scale wildfires. The Wildfire Assessment and Resilience Networks (“WARN” or “the Project”) seeks to enable consortium members to develop methods and approaches to reducing utility ignition events and improving wildfire survivability, many of which are currently out of reach to cooperatives due to the burdensome and costly nature of these models and tools. The Project centers on developing and implementing a low-cost, easy-to-use risk assessment tool plus to provide a deeper understanding of community concerns, leading to improved prioritization of future wildfire mitigation projects. The Project will also develop a transferable community engagement model, which will be implemented and tested by each cooperative in the WARN consortium to garner feedback on their initial technical designs and create a wider set of quantitative and qualitative community benefits that can be replicated by other cooperatives, multiplying the community benefits of the Project throughout the US.

The WARN Consortium is led by Holy Cross Energy (HCE), who provides safe, reliable, affordable, and sustainable energy and services that improve the quality of life for its members and their communities. Founded as a not-for-profit electric cooperative in 1939, HCE provides electricity to more than 46,000 members in Western Colorado over more than 3,100 miles of electric distribution and transmission lines. HCE is leading the responsible transition to a clean energy future with a goal of providing 100% clean energy to its members by the end of this decade, and in 2022, 50% of our power supply came from wind, solar, biomass and hydroelectric power, as well as coal mine methane recovery.

Through WARN, HCE and NRECA Research, along with a consortium of electric cooperatives, will enable the participation of smaller utilities that would otherwise not be able to execute such projects and achieve economies of scale and shared learning. The modeling, simulation and data needs for wildfire predictions mitigation planning alone are too burdensome and costly for small rural cooperatives, whose workforce does not have the resources to develop these methods on their own. HCE and NRECA Research believe the Project’s consortium-based approach is the most effective way to ensure the Federal Government’s financial resources reach rural Disadvantaged Communities (DACs) and generate cost-effective mitigation measures that meet communities’ priority needs. WARN supports underserved communities by focusing its deployment efforts in 171 DACs, as shown below in **Figure 1**. As consumer-owned not-for-profits, electric cooperatives exist solely for the benefit of their local communities. As such, the individual projects proposed by consortium members are designed to meet critical local priorities. In sum America’s electric cooperative are uniquely positioned to partner with the Federal Government to deliver on important and impactful community benefits goals.

Notably, this consortium approach is not new for electric cooperatives, as it is grounded in a core cooperative principle – cooperation among cooperatives. Importantly, consortium members recognize and acknowledge that they must be responsible for delivering the specifically tailored community benefits goals for the local communities they serve. This is an appreciation of the fact that each community served by electric cooperatives has their own needs and challenges that this federal funding opportunity is intended to solve.

Figure 1. WARN Focuses its Deployment Efforts in 171 DACs



An additional Project benefit will be the tools, insights and lessons learned that will provide other electric cooperatives and utilities serving other DACs across America. To rapidly disseminate knowledge from the Project, the WARN risk assessment tool will be made available to the nearly 900 cooperatives in the NRECA community. By using WARN-C, the transferable community engagement model, all electric cooperatives will be able to identify and quantify their wildfire risk, which will spur private investment to mitigate this risk and enable the cooperatives to generate cost-effective mitigation measures and maximize private investment. NRECA Research will disseminate lessons learned to the electric cooperative network, the wider electric utility industry, and other stakeholders, as further outlined below. As part of the national service

organization for rural electric cooperatives, NRECA Research is uniquely positioned to support HCE in this effort and guide consortium members to the right tools and programs for successful deployment. Absent HCE and NRECA Research's efforts to secure resources on behalf of the consortium, rural communities would continue to see a widening gap with respect to technology deployment and access, which is in direct contrast to the intent of this Federal program.

HCE has a proven track record as a partner on several DOE awards focused on the integration of new technologies into the electric grid, including Solar-Assisted, Stakeholder-Engaged, Autonomous Restoration with Data Orchestration (Solar-HERO) awarded under DOE Funding Opportunity Announcement DE-FOA-0002597 (NREL prime recipient); Resilience and Stability Oriented Cellular Grid Formation and Optimization for Communities with Solar PVs and Mobile Energy Storage awarded under DOE Funding Opportunity Announcement DE-FOA-0002243 (NREL prime recipient); and AURORA: Autonomous and Resilient Operation of energy systems with RenewAbles awarded under DOE Funding Opportunity Announcement DE-FOA-00019878 (Siemens prime recipient). HCE has also conducted funded research with the National Renewable Energy Laboratory (NREL) and the Stanford Linear Accelerator Center (SLAC) focused on the integration of distributed energy resources into electric grids, and the operation of transactive energy markets. Lastly, HCE has received \$12 million in funding from the USDA through its Rural Energy Savings Program (RESP) which HCE is using to provide zero-interest loans to cooperative members for the purpose of deploying energy storage at their homes and businesses.

As this track record of success deploying federal funding illustrates, HCE and NRECA Research is ready to support WARN and coordinate the efforts of its member electric cooperatives in a way that uniquely leverages their collective expertise and resources—especially in ways to achieve the community benefit goals outlined in the FOA. The Project will also have a legacy impact on the education and career development opportunities available to local rural communities. HCE appreciates that the nature and the scope of federal funding has evolved and presents the following proposal for a comprehensive and robust community benefits plan.

1. Community & Labor Engagement

Electric cooperatives are uniquely positioned to participate in high degrees of community and labor engagement envisioned by this funding opportunity. Electric cooperatives are owned by the consumer members in the communities they serve – including, those who are employed or contracted by the cooperative. A central aspect to the WARN Consortium is the community engagement process detailed in the technical volume. As a first step, each consortium member will develop a specific community and labor engagement plan that will be implemented and evaluated throughout the Project.

Each of the 39 cooperatives will form a Community Partnership Team (CPT) composed of relevant community groups that will engage with the cooperative to provide in-person and written feedback on the cooperative's grid upgrade plan, raise any concerns about the plan's impact on the community, and concerns about other potential wildfire grid-related threats that should be mitigated. This will enable grid designers to identify community benefits that are not normally associated with resilience, that are complex to assess and value (e.g., aesthetic benefits of undergrounding, reduction of a community's energy burden from microgrid generation, or reduction in lifecycle costs from installation of more robust equipment). The tool incorporates

these benefits into the power system design and decision-making process to reach the best resilience solutions for the community. The CPT will continually engage throughout the Project.

To establish a baseline for this application, NRECA Research surveyed the consortium members to understand their current degree of labor and community engagement and existing community agreements. Seventy-seven percent (77%) of WARN cooperatives reported that they are willing to sign a statement committing to negotiate a community benefits agreement, good neighbor agreement, workforce agreement, or similar agreement, and 38% of cooperatives already have experience with these types of agreements. Agreements will seek to include provisions such as commitment to high-quality jobs, local hiring, minimizing environmental impact, allocation of benefits to DACs, and more. Further, HCE and project partners will help to facilitate community and labor engagement that is the responsibility of each participating electric cooperative during the Project.

A key measure of success for the Project's community engagement, on a macro level, is the knowledge sharing that will occur beyond the cooperatives participating in the Project. HCE and NRECA Research will support these efforts and the opportunity to share successes and lessons learned between consortium members and the broader electric cooperative community. HCE will leverage NRECA Research's proven track record and established infrastructure to communicate and disseminate the results of the Project to NRECA's entire membership of nearly 900 electric cooperatives and other rural utilities serving thousands of communities in 48 states.

After Budget Periods 1 and 2, and through the duration of the performance period, consortium members will leverage the CPTs to engage directly with community groups to share details about the project and, as milestones are reached, celebrate those successes. CPTs will explore outreach to traditionally excluded groups and create educational opportunities such as middle- and high-school engagements. Consortium members will also explore developing a diverse set of materials for target audiences across multiple communications channels – both existing and new – and seek to present information in a meaningful and approachable way for community benefit.

2. Investing in the American Workforce

2.1 Plan to Attract, Train, and Retain a Skilled and Well Qualified Workforce

Consortium members are committed to attracting, training, and retaining a skilled, qualified, local, and diverse workforce. Remarkably, the genesis of America's electric cooperatives was the New Deal.¹ There is –without a doubt – a time-honored legacy and tradition of electric cooperatives dedicated to job quality and workforce development. Specifically, since the 1930s, NRECA member electric cooperatives have received federal funding through USDA, and other federal agencies. Accordingly, WARN consortium members are committed to delivering community, economic, and workforce development consistent with the federal funding program's stated objectives.

The consortium estimates that the Project will create approximately 100 full-time jobs and many short term-jobs in consortium members' local communities over the five-year project performance period. Each consortium member will have primary responsibility for hiring or contracting the workforce for its individual project(s). Where possible, consortium members will

¹ <https://www.electric.coop/our-organization/history>

collaborate and explore ways to hire from the local community and, especially, from disadvantaged communities.

Investing in the American workforce is not a new priority for electric cooperatives. Consortium members are committed to creating high-quality, good-paying, family-supporting jobs in the communities they serve – just as they have done since the New Deal. This includes paying prevailing wages and complying with all applicable legal and regulatory obligations (e.g., Davis-Bacon Act). In response to NRECA Research’s survey, 82% of WARN consortium members provided data showing that they either have a unionized workforce or pay wages at or above the median for current and expected staff and hires. Moreover, when working with contractors, consortium members are committed to prioritizing contracts that also advance good-paying, family-supporting jobs – especially where there is an opportunity for minority, women, and veteran-owned businesses.

In addition, worker safety is paramount for electric cooperatives – even before and beyond the Project. That said, within Budget Period 1 of the Project, consortium members will continue their commitment to safety by continuously evaluating workplace safety and health plans with commitments and milestones related to the Project. Based on an analysis of worksite conditions, consortium members will continue to provide appropriate proactive training to maintain a safe and healthy workplace. All trade workers and professionals will receive code of conduct training that includes anti-harassment policies and training, as well as onsite safety training.

HCE has an active and thriving safety culture among all its employees, aimed at ensuring every employee goes home safely from the workplace every night. A monthly Safety Committee reviews and discusses any accidents and/or near misses that may have occurred at HCE or elsewhere in the State of Colorado, and regularly reviews safety manuals, policies, and procedures to make sure they are protective and up to date. Safety Committee members convene monthly meetings with their respective departments. HCE participates in NRECA’s Rural Electric Safety Achievement Program (RESAP) and the statewide safety programs of the Colorado Rural Electric Association (CREA). In 2021, HCE was awarded a Certificate of Safety Achievement from NRECA for HCE’s dedication to employee and public safety and commitment to regulatory compliance and loss control practices, by virtue of having operated for the entire calendar year with no injuries or accidents.

2.2 Prior Violations and Union Rules

Where applicable, consortium members will engage labor organizations in good faith and in compliance with the National Labor Relations Act. Additionally, 38% of WARN consortium members have experience with collective bargaining (or similar) agreements and 77% have indicated a willingness or plans to negotiate these types of agreements for the Project. Neither HCE nor any of the WARN member cooperatives have experienced any labor disputes.

2.3 Future Jobs Potential

Workforce development and job training are necessary to support the solutions piloted in this Project and will be integral to fully realizing meaningful investments in consortium members’ communities. Of the 39 WARN consortium members, 35 currently participate in and hire from apprentice line worker programs and 13 currently participate in internship programs

including engineering internships. Consortium members will explore opportunities to further expand on and diversify these existing programs, identifying additional jobs/job skills that cooperatives will need to fulfill WARN energy system resilience. Consortium members will consider apprenticeship and educational training opportunities in collaboration with the local community or tribal colleges to support continued education and workforce training. In addition, consortium members will recruit applicants to these apprenticeship and educational training opportunities directly from the DACs in each of the cooperatives' service territory. Ninety-two percent (92%) of WARN consortium members are willing to sign a commitment to invest in workforce education and training, including apprenticeship programs and trainings. The goals of these programs will be to reduce attrition; promote reskilling and career advancement; increase productivity from a committed and engaged workforce; and support a resilient, skilled, and stable workforce for the Project and beyond.

HCE offers several scholarship opportunities for traditional and non-traditional students in our service territory, including Line workers, First-Generation College Students, Women in STEM, and students pursuing a trade vocation. HCE also plays a leadership role in the design and operation of the Mesa Hotline School in Grand Junction, Colorado that provides field training on repair and maintenance of electrical transmission and distribution systems for privately-owned and non-profit utility company employees. This effort is collaborative with Western Colorado Community College, Western Nebraska Community College, and the Rocky Mountain Lineman School. HCE regularly involves apprentice line workers and early-career engineers in its projects, and only contracts with firms that pay a premium. HCE also provides continuing lifelong education for its employees, reimbursing regular full-time employees for tuition, fees, and book expenses for certain courses through Colorado Mountain College, correspondence courses from the U.S.D.A. Graduate School, or other approved educational institutions.

HCE, with support from NRECA Research, will support the consortium members in exploring internship and apprenticeship programs with community or tribal colleges and minority serving institutions. As part of the project, the consortium will track the number of new jobs created by these projects through their consortium members.

3. Diversity, Equity, Inclusion, and Accessibility (DEIA)

HCE fosters a diverse and equitable environment where all feel welcomed, included, represented, and valued. An employee-led Diversity, Equity and Inclusion Committee works to identify ways to increase the diversity of our workforce, foster a culture which encourages equity and inclusion, and better serve our diverse members and communities. DEI topics are included in our annual mandatory workforce training for all employees, and HCE recently conducted a DEI Assessment with the help of an outside consultant to identify areas of improvement with respect to DEI. Currently, HCE is focused on increasing outreach to the Latinx community we serve and increasing the capability of our workforce to communicate in Spanish as well as English through training as well as priority recruitment of Spanish-language speakers. HCE is an Equal Opportunity Employer committed to diversity, equity, and inclusion in the workplace.

NRECA Research is also guided by resolutions created and adopted by its membership, including: *“Electric cooperatives have embraced the precepts of inclusion and equal representation since their founding and continue to lead the way as the needs of their unique*

communities and membership evolve and diversify. We urge NRECA to encourage the ideals of diversity, equity and inclusion (DEI) and demonstrate to its members the value and business advantages of understanding and incorporating DEI into their business practices to achieve greater member owner loyalty and increased member-owner satisfaction. We further urge NRECA to:

- *Research successful business practices and highlight positive results realized by electric cooperatives and others that have embraced DEI in their business approaches; and*
- *Based on successful DEI business practices employed by cooperatives and other organizations, provide a basic framework or guide for electric cooperatives interested in incorporating DEI business practices in their business structure and strategies.”*

Consistently, NRECA Research will assist the consortium members with independently developing their own DEIA plans, which includes reducing barriers to accessibility to the benefits of the various specific projects, including jobs and affordable energy.

3.1. Partnering to Address DEIA

As part of the Project, HCE and NRECA Research will support consortium members with their independent development and implementation of DEIA plans that are specifically tailored to each project, cooperative, and community within the scope of the larger Project. Consortium members will establish DEIA plans that clearly articulate how their organization is enhancing diversity, reducing barriers to disadvantaged business enterprises, and increasing access to new, good-paying jobs. Moreover, consortium members will develop creative partnerships between community members, integrate diversity in career track and workforce development training, create apprenticeships, and enhance recruitment. To that end goal, the plans will detail how the specific electric cooperative will engage with underrepresented businesses; Minority Serving Institutions; minority training organizations, and/or other project partners to help improve DEIA in energy jobs.

HCE, NRECA Research, and consortium members recognize that understanding the necessary elements of a DEIA plan is an essential first step to delivering impactful community benefits. At the beginning of the Project, consortium members will assess and report on current cooperative resources, staff, time, and funding allocated to DEIA activities. For example, La Plata Electric Association, Inc. (LPEA, CO), who is a consortium member, embeds DEI in organizational culture as a core value, a source of innovation, and a means to belonging, sustainability, and success. LPEA’s vision is proactive and responsive to DEI challenges that are faced by society, including but not limited to political and economic trends, and recognizes that organizations are microcosms of the societies in which they operate. LPEA has an organization-wide DEI council, which includes IBEW union and staff employees, is given visible and meaningful support by leaders. LPEA’s DEI strategy also addresses recruitment, job design and compensation, benefits, community, and philanthropy. LPEA has embedded DEI in its responsible and ethical sourcing and proactively seeks underrepresented groups by informing both potential and established suppliers about business opportunities.

HCE and NRECA Research are working to develop resources that consortium members can use to assess their needs and connect with a professional facilitator that can assist with establishing SMART DEIA plans around the project. Following that assessment, an all-consortium meeting will be held to align on DEIA for the Project. In addition, NRECA currently offers several

certificate programs for cooperative staff and directors on concepts integral to building DEIA in workplace culture. Programs include Cooperative Career Essentials, the Supervisor and Manager Development Program, and Director Education Certificate programs. The Project Partner Growth By Design, will work with each individual electric cooperatives to develop a DEIA plan, and help develop strategies for each individual electric cooperative to measure and verify community benefits throughout the Project.

During Budget Periods 1 and 2, consortium members will assess, explore, and develop diverse recruitment procedures (for both employees and contractors), supported by metrics and relevant actions to the Project. This includes baseline efforts to recruit from under-represented groups, developing support services for workers facing barriers to quality training and employment opportunities, building partnerships with workforce training organizations serving under-represented communities and those facing systemic barriers to quality employment, and designing mentorship opportunities and programs. Consortium members will implement these diverse recruitment procedures throughout the Project.

Following the successful development and implementation of individual DEIA plans, NRECA Research will disseminate lessons learned beyond the initial group of consortium members to the broader cooperative community where appropriate.

3.2. Examples of How the Project will Incorporate DEIA Elements

Consortium members will also develop and implement plans to increase supplier diversity for their individual projects, including prioritizing subcontractors from small, disadvantaged, minority-owned, women-owned, veteran-owned, and HUBZone businesses. Notably, 72% of WARN cooperatives are willing to sign a statement committing to partner with and/or provide supportive services to minority business enterprises, minority-owned businesses, woman-owned businesses, and veteran-owned businesses to solicit as vendors and subcontractors for bids on supplies, services, and equipment.

NRECA Research can assist consortium members by leveraging GSA Advantage, its own supplier data, and resources from the Small Business Administration to identify and disseminate subcontracting opportunities in these categories. These efforts are made to ensure that these businesses have an equitable opportunity to compete for subcontracts. The subcontracting program administrator on the project team has overall responsibility for the company's subcontracting program (i.e., developing, preparing, and executing subcontracting plans and monitoring performance relative to the requirements of those subcontracting plans), including ensuring efforts for an equitable opportunity for competing for subcontracts.

4. Justice40 Initiative

In October 2017, the US Treasury Community Development Financial Institutions Fund (CDFI) released an updated list of the nation's Persistent Poverty Counties (PPCs) – counties that have experienced very high poverty rates over the long-term. Electric cooperatives provide service in more than 360 PPCs identified by CDFI (92%), serving an estimated 4.2 million people in these counties with poverty rates ranging from 20-60%. As a result, equitable access is a primary focus for most electric cooperatives, and the Project will provide additional direct benefits to these communities in need.

Consortium members will fully analyze and document the benefits, as well as any lessons learned, that result from the strategies deployed to align with the Justice40 Initiative goals. To confirm that 40 percent of the Project benefits flow to the 171 DACs within the Project territory, HCE and WARN consortium members plan to measure baseline and post-project benefits per consortium member across several categories: energy resilience, energy cost, energy burden, and household income; job creation in the service territory overall and new employment specific to the cooperative partner; and pre- and post-project economic measures of the DACs as quantified by local agencies, including direct service qualifications for SNAP, WIC, LIHEAP and more as measured by local CAP agencies. The consortium will conduct residential member satisfaction surveys as well to capture non-economic factors in service delivery to DAC cooperative members. In such meetings, if the community chooses to alter the Project's benefits measures, HCE will notify DOE managers and confirm Justice40 benefits metrics are captured to the satisfaction of federal agencies.

A preliminary analysis shows that NRECA's distribution cooperative and rural utility members serve 6,993 census tracts considered disadvantaged using the Justice40 criteria in the Council on Environmental Quality's Climate and Economic Justice Screening Tool, more than a quarter of the identified tracts nationwide. Among NRECA's distribution members, 777 (93%) serve at least one of these tracts. As noted in **Figure 1** above, WARN will encompass 171 DACs.

Over the last three years, these cooperatives have executed resilience grid upgrades totaling more than \$320 million, demonstrating a commitment to resilience and their communities. The WARN tool will lead to a more effective use of government and private funding to eliminate utility ignited wildfire events and improve wildfire survivability and will also allow for aligning investments in DACs served.

Due to a number of factors, including expansive geographic service areas, low population density per mile, workforce limitations, and a lack of resources, it is often the case that service, power quality, and outage response times are more challenging in rural and disadvantaged communities. WARN allows the grid designers (in the WARN consortium and beyond) to explore and compare a wide range of wildfire mitigation methods and ultimately select the most cost-effective option. When complete, the Project will support rural cooperatives to reduce energy burden, increase resilience, and improve reliability for their systems.

4.1. Disadvantaged Communities that will Benefit from the Project

Within the Project's geographic footprint, there are 39 rural cooperatives serving 171 DACs across 16 states. As a consortium, each of the 39 member cooperatives has identified initial benefits that will flow to the DACs it serves (see **Community Partnership Documentation** for selected examples). In several cases, the cooperative's service territory is composed entirely of DACs.

4.2. Project Benefits

All of the WARN consortium members will advance at least one of DOE's eight quantifiable, measurable, and trackable Justice40 policy priorities. Primary benefits for all electric cooperatives include reducing outage frequency and duration, an enormous benefit to most DACs, since these communities are frequently at "the end of the line," losing service first and longest. Restoring service quickly to hospitals, businesses, schools, and residences within the DAC

improves medical access and health outcomes while reducing food waste, business losses, and mental stress for the community.

Secondary benefits include economic development, employment and wage growth, and increased capacity from local training for community members from DACs (direct for the cooperative and indirect for new businesses created through the Project’s implementation).

HCE and its consortium members can leverage the WARN assessment tool to inform decisions that can avoid high indirect costs from economic, community, and public health impacts, ensuring that maximum Project benefits are flowing to local communities, particularly DACs. Also, through CPTs the Project will foster two-way engagement between cooperatives and the communities’ they serve, and track and measure the flow of benefits to the communities.

The 39 consortium members plan to partner with local training institutions (e.g. community and Tribal colleges, union training centers) to institute workforce recruitment within the DACs they serve. The consortium members will identify upskilling or full training for direct jobs associated with the Project’s workforce needs, and indirect jobs from community partners within the community organizations in their planning groups. The cooperatives in WARN are subject to the same constraints on qualified workforce as much of the rest of the US. The combination of community outreach and workforce development efforts will lead to stronger connections between DACs and their cooperatives. These connections will tap into the human potential in the DACs to fill skilled positions, benefiting both the cooperative and the DACs. Cooperatives will consider negotiating with local training providers to braid resources for wrap-around services, training, certification, and hiring/retention of DAC community members as a first priority.

Tertiary and longer-term community benefits from the Project include decreasing negative environmental impacts as measured by EJSCREEN and other environmental screening tools per cooperative service territory, as shown in **Figure 2** below.

Figure 2. SCENIC-East Justice40 Project Benefits

<i>Benefit</i>	<i>How Benefit is Measured?</i>
Primary	
<ul style="list-style-type: none"> ● Reducing outage frequency ● Reducing outage duration ● Cooperative system cost 	SAIFI SAIDI Annual financial statement, operating costs
Secondary	
<ul style="list-style-type: none"> ● Economic development ● Employment (direct and indirect job counts) ● Wage growth ● Workforce training capacity 	EDA regional and county tracking; increases in cooperative requests for commercial service Partnership with local workforce boards, DOL job reports Average wages reported by NAICs as per Bureau of Labor, local Labor boards Community college, Tribal college, Union, and private training capacity (graduates) and # of relevant training programs offered, year over year
Tertiary	
<ul style="list-style-type: none"> ● Decreasing negative environmental impacts 	EJSCREEN pre and post project measures

4.3. Anticipated Negative and Cumulative Environmental Impacts

Each consortium member will leverage the CPT to conduct community and stakeholder meeting(s) to share grid improvement plans with the impacted communities and solicit their feedback, answer questions, explain anticipated impacts (both benefits and risks). Where and when appropriate, feedback provided by the community will be addressed in the consortium member's project plans.

As part of project planning and community engagement, consortium members will gather clear and understandable explanations of anticipated state and federal environmental impact requirements – using NEPA guidance and state or county code requirements for land/soil, water, and air impacts. All consortium members plan to meet minimum requirements, and historically, rural cooperatives exceed federal, state and county minimum environmental standards.

Each of the consortium member's Plan's will include EJ40 measurements using the Environment Protection Agency's EJSCREEN tool [<https://www.epa.gov/ejscreen>] to measure and quantify the tool's relevant environmental impacts. However, the EJSCREEN tool is not sufficient for overall risk analysis, as it cannot assess certain data (drinking water quality and indoor air quality), and it may not capture adequate local and small area EJ impacts.

4.4. Timeline for Project Benefits

Other elements of the Project will also align with Justice 40 objectives and outcomes. Many economic benefits will continue to flow to the DACs served by consortium members after the Project period has concluded, as intended through grid improvements. For direct economic, workforce, health and community benefits, the consortium anticipates the following timeline, allowing for iterative engagement with the many communities and 171 DACs included in the geographic footprint of the Project. To reiterate, Community Benefits Plans for each consortium member will be created in Budget Periods 1 and 2 with measurement and verification of those plans through the remaining period of performance. These plans include DEIA, community engagement, and workforce training.

**Holy Cross Energy: WARN
Community Partnership Documentation**

The Wildfire Assessment and Resilience Networks (“WARN”), as proposed by Holy Cross Energy (the “Applicant”), includes a consortium of 39 small, rural, not-for-profit utilities in 16 States in the U.S.

Each of the utilities received multiple letters of support for the WARN Project from organizations in the communities they serve, resulting in 107 letters of support, including from established labor unions, Tribal entities, and community-based organizations. Figure 1 (below) lists the various types of organizations that submitted letters of support for the project.

The range and number of letters received illustrates a key differentiator for the applicant: electric cooperatives are uniquely positioned to participate in high degrees of community and labor engagement envisioned by this funding opportunity.

Figure 1: List of Organizations in Support of WARN

Entity	Number of Letters of Support Received
Local Government	28
Public Safety Organizations	27
Local Businesses; Business Interests (e.g., Chambers of Commerce)	19
Community-Based Non-Profit Organizations	10
U.S. Forest Service (FS) National Forests	10
Labor Unions	7
Economic Development Agencies	3
State Agencies	2
State Legislator	1
TOTAL	107

The following serves as a sampling of letters of support received in support of the Project. The full package of letters of support is available, upon request.

(b) (4)

February 22, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of O

To Whom It May Concern,

This Letter of Support con
(b) (4) in the developme
Networks (WARN)" projec
effective, community-awar
make these grids resilient
assessment tool that will a
upfront cost, wildfire risk
projects will realize these
and validation data to impr

(b) (4)

ment and Resilience for
design and deploy cost-
electrical power grids and
proved using WARN—an
methods to incorporate
deployed grid upgrade
providing lessons learned
tion of the methods.

Holy Cross Energy has bro
the Project, including:

(b) (4)

ed enthusiastic team for
small, rural, not-for-profit

electric cooperatives.
in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. The
project proposed

(b) (4) is pleased to support Holy Cross Energy (b) (4)
(b) (4)

for the design and construction

of the project and be of benefit to the local communities.

Sincerely,

(b) (4)

(b) (4)

(b) (4)

February 15, 2023

(b) (4)

RE: Letter of Support – (b) (4)

Dear (b) (4)

The (b) (4) is pleased to write in support of (b) (4) application for funding.

(b) (4) fully supports the efforts of (b) (4) to harden and modernize their electrical system for grid resilience and wildfire mitigation. (b) (4) facilities are critical infrastructure (b) (4) and the risk of wildfire is a growing threat. The initiatives that (b) (4) has proposed will both help reduce that risk and provide increased reliability to our community.

(b) (4)

In addition to the critical infrastructure that (b) (4) maintains, they have been a reliable and valued partner (b) (4) on many projects, and most recently assisted with the implementation of (b) (4)

The (b) (4) strongly values the importance of electric power infrastructure and responsible utilization of this valuable resource and appreciates the opportunity to provide support on this important project that will have an impact on our citizens for generations to come. We thank you for your consideration of this funding request.

Sincerely,

(b) (4)

(b) (4)

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Commitment/ (b) (4)

To Whom It May Concern,

This Letter of Commitment confirms the support and involvement of (b) (4) in the development of (b) (4) ("Applicant") (b) (4) Wildfire Mitigation" project ("the Project"). (b) (4) proposes to design and deploy a conversion of overhead powerlines to underground, in an area of extreme fire risk, to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. The project area provides power to the main well (b) (4). In the event of a power outage, (b) (4) would be without water, along with emergency services. (b) (4) views this project as essential for the safety of our community. The (b) (4) fully supports this project and will provide support any way possible. This project is essential for both life and property in our County.

(b) (4) is pleased to support (b) (4) in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy a resilient electric power system with wildfire protection. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades and protection of life by converting the existing overhead line to underground.

Please contact me if you have any questions on the contents of this letter or with respect to the (b) (4) continuing support of the Project.

(b) (4)

(b) (4)

February 23, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships
(GRIP) - DE-FOA-0002740
Letter of Support for (b) (4)

To Whom It May Concern,

This is a Letter of Support for (b) (4) for “Wildfire Assessment and Resilience for Networks (WARN)” project. (b) (4) proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits.

(b) (4) plan is to replace existing overhead power lines in dense tree areas with an underground power line in its application under DOE’s BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. This Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods that include undergrounding and line hardening which will reduce maintenance.

(b) (4)

(b) (4)

Thursday, March 2, 2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585
Attn: Director Maria Duaine Robinson

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 - Letter of Commitment, (b) (4) Proposal "WARN"

Director Robinson and others to Whom It May Concern:

(b) (4) are pleased to provide this letter in support of (b) (4) in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1; in the development of (b) (4) project titled "Wildfire Assessment and Resilience for Networks (WARN)" project. We understand that DOE seeks to transform community, regional, interregional, and national resilience by deploying and catalyzing technology solutions that increase the electric power system's stability, efficiency, and resilience to benefit communities nationwide. This project will advance these objectives in our rural community by undergrounding overhead power lines and undergrounding infrastructure. Initial grid upgrade designs will be improved using WARN. This assessment tool will adapt and extend existing wildfire mitigation planning methods to incorporate upfront costs, reduce wildfire risk, increase resilience, and enhance community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers while providing lessons learned and validation data to improve WARN, enabling wider dissemination of the methods and more effective utilization.

(b) (4)
We work diligently to provide the best medical team and emergency response to our rural area (b) (4)

Our full support is for any project that allows (b) (4) to better serve us and the surrounding area with more stable, reliable, and resilient power so that we can operate our life-saving efforts.

Don't hesitate to contact me if you have any questions on the contents of this letter or concerning (b) (4) continuing support of this Project.

(b) (4)

(b) (4)

02/17/2023

U.S. Department of Energy, Grid Deployment Office
Office of Clean Energy Demonstrations
1000 Independence Ave SW
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -
DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

My name is (b) (4) I represent members served
by (b) (4)

Myself (b) (4) look forward to the projects that will benefit our
community and hopeful that they may be completed with the grant dollars that are becoming
available. The areas served are in heavily timbered, mountainous regions, which are difficult to
impossible to access safely in the event of a fire. As the wildfires become more frequent, the
wildfire mitigation practices being put into effect by (b) (4) are greatly welcomed.

(b) (4)

There have been numerous fires over the last several years in this region including, (b) (4)
(b) (4) and other
large fires occurring yearly. Any effort in reducing or containing fire ignitions will be a benefit to
the area. Having these safer protection devices will allow for remote operation in the case of a
fire, uninterrupted service for the responding agencies, as well as reducing or shortening the time
outages may affect our community.

(b) (4)

(b) (4)

February 24, 2023

Mr. Mark Hayden
General Manager

(b) (4)
1700 W. Broadway
Missoula, MT 59808

Dear Mr. (b) (4)

On behalf of (b) (4) I write in strong support of the (b) (4) application to the U.S. Department of Energy Grid Infrastructure Investment and Jobs Act program.

(b) (4)

Through this work we recognize the impact that wildfires and other natural disasters are having on (b) (4) infrastructure and the related reliability impacts to the members served by the cooperative. We understand that (b) (4) has made significant improvements and investments to harden its system. (b) (4) efforts to maintain reliability come at a cost and are directly linked to increased electricity rates for its members. With support from the DOE, (b) (4) will be able to greatly leverage the additional funding to further improve grid resilience and reliability, which will help mitigate the impact of future events, saving lives and protecting property in our community.

(b) (4) efforts to accelerate grid resiliency will greatly benefit your customers and will also be an excellent example to share with others in (b) (4) and beyond. At (b) (4) we look forward to sharing the need for and benefits of this work broadly so others can understand the challenges and opportunities with grid reliability and the energy transition.

We have great confidence in (b) (4) to work with federal partners in securing additional funding to prevent further disruptions to our power grid, and we would welcome the opportunity to participate in any opportunity to advocate for your DOE grant application.

Please feel free to contact me should you have any questions.

(b) (4)

(b) (4)

U.S. Department of Energy, Grid Deployment Office Office of Clean
Energy Demonstrations
1000 Independence Ave SW Washington, DC
20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740
Letter of Commitment/Holy Cross Energy

To Whom It May Concern,

This Letter of Commitment confirms the support of the (b) (4) in the development of Holy Cross Energy's ("Applicant") "Wildfire Assessment and Resilience for Networks (WARN)" project ("the Project").

Holy Cross Energy proposes to design and deploy cost-effective, community-aware methods to reduce the risk of wildfire ignition by electrical power grids and make these grids resilient to all wildfires. Initial grid upgrade designs will be improved using WARN—an assessment tool that will adapt and extend existing wildfire mitigation planning methods to incorporate upfront cost, wildfire risk reduction, resilience, and community benefits. The deployed grid upgrade projects will realize these benefits for the cooperative customers, while also providing lessons learned and validation data to improve WARN, both of which will enable wider dissemination of the methods.

(b) (4)

(b) (4) pleased to support Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships FOA for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying the most cost-effective grid upgrades that leverage a wide range of methods including undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

Please contact me if you have any questions on the contents of this letter or with respect to the (b) (4) continuing support of the Project.

Sincerely,

(b) (4)

(b) (4)

[REDACTED]
Date: February 23, 2023

U.S. DEPARTMENT OF ENERGY, GRID DEPLOYMENT OFFICE
OFFICE OF CLEAN ENERGY DEMONSTRATIONS
1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Bipartisan Infrastructure Law (BIL)- Grid Resilience and Innovation Partnerships
(GRIP) – DE- FOA-0002740
Letter of Support- Holy Cross Energy

To Whom it May Concern,

This Letter of Support confirms the support and involvement of (b) (4) in the development of Holy Cross Energy's "Wildfire Assessment and Resilience for Networks (WARN)" project.

The (b) (4) supports the (b) (4) in replacement of existing overhead lines with underground lines within the forest boundaries. These areas have a documented history of many tree-caused outages annually and present a wildfire high risk with branches able to fall from far beyond the right-of-way which is prone to severe wind gusts. (b) (4)

The (b) (4) is supporting (b) (4) and Holy Cross Energy in its application under DOE's BIL Grid Resilience and Innovation Partnerships Funding Opportunity Announcement (FOA) for Topic Area 1. We understand that DOE seeks to deploy and catalyze technology solutions that increase the flexibility, efficiency, and resilience of the electric power system. The Project will advance these objectives by designing and deploying grid upgrades that leverage a wide range of methods that include undergrounding, line hardening, advanced grid monitoring and operations, and advanced surveillance and maintenance.

We hope that you find that this project supports the goals of the Grid Resilience and Innovation Partnership as it would bring a benefit to the land we manage and the local community.

(b) (4)

Summary/Abstract for Public Release

Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP) Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740 Assistance Listing Number: 81.254

Applicant: Holy Cross Energy

Project Manager: Bryan Hannegan (CEO Holy Cross Energy)

Collaborating Participants: NRECA Research, Anza Electric Cooperative, Incorporated, Beartooth Electric Cooperative, Inc, Big Horn Rural Electric Company, Bridger Valley Electric Association, Butte Electric Cooperative, Inc., Canadian Valley Electric Cooperative, Inc., Capital Electric Cooperative, Inc., Columbia Basin Electric Cooperative, Inc., Consumers Power Inc, Cooperative Light and Power Association of Lake County, Cotton Electric Cooperative Inc., Deseret Generation and Transmission Co-operative, DS&O Electric Cooperative, Inc., Fall River Rural Electric Inc., Flathead Electric Cooperative, Inc., Garkane Energy Cooperative Inc., Grand Valley Rural Power Lines, Inc., Highline Electric Association, Lea County Electrical Coop, Lincoln Electric Cooperative, Inc., La Plata Electric Association, Missoula Electric Cooperative, Mountain View Electric Association, Inc., Nodak Electric Cooperative, Inc., Northern Lights, Inc., Northfork Electric Cooperative, Inc., Okanogan County Electric Cooperative, Inc., Poudre Valley Rural Electric Association, Ravalli County Electric Cooperative, Inc., Rushmore Electric Power Cooperative, Inc., San Isabel Electric Association, Southeast Colorado Power Association, Springer Electric Cooperative, Inc., The Midwest Electric Cooperative Corporation, Trico Electric Cooperative, Inc., Wasco Electric Cooperative Inc., West Central Electric Cooperative, Inc., and White River Electric Association

Project Title: Wildfire Assessment and Resilience for Networks (WARN)

Abstract: The WARN Consortium project will improve the resilience of the partner cooperatives' electric distribution grids by reducing the risk of utility-ignited wildfires and hardening these grids against wildfires of all causes. Grid resilience will be improved through the strategic deployment of both well-known methods and advanced technologies for grid hardening, grid operations, and condition-based maintenance. These grid deployments will be guided by the development and use of the WARN assessment tool. The WARN tool will assess the value of resilience upgrades by estimating the expected value of avoided loss of property, natural resources, grid assets, and stakeholder-identified cultural and community resources from utility-ignited wildfires. WARN will use state-of-the-art wildfire ignition and propagation modeling using grid data, terrain data, and historical weather data. The assessment capability provided by WARN and tested on the WARN Consortium electric grids will enable cooperatives to better understand the value of resilient grid upgrades and justify investment in them. The knowledge and expertise gained by the WARN Consortium will be disseminated by making the WARN assessment tool available throughout the NRECA cooperative community and training cooperative personnel in its use.

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: BIL - Grid Resilience & Innovation Partnerships CFDA Number, if applicable: 81.254
--	--

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ (b) (4)
---	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name N/A Middle Name _____

* Last Name N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 (b) (4) Street 2 _____

* City (b) (4) State (b) (4) Zip (b) (4)

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a contract <input checked="" type="checkbox"/> b grant <input type="checkbox"/> c cooperative agreement <input type="checkbox"/> d loan <input type="checkbox"/> e loan guarantee <input type="checkbox"/> f loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a bid/offer/application <input type="checkbox"/> b initial award <input type="checkbox"/> c post-award	3. * Report Type: <input checked="" type="checkbox"/> a initial filing <input type="checkbox"/> b material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee * Name: (b) (4) * Street 1: (b) (4) Street 2: _____ * City: _____ State: (b) (4) Zip: (b) (4) Congressional District, if known: _____		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: <p style="text-align: center;">Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602</p>		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation CFDA Number, if applicable: Partnership - Topic 1	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant: Prefix _____ * First Name: N/A Middle Name _____ * Last Name: N/A Suffix _____ * Street 1: _____ Street 2: _____ * City: _____ State: _____ Zip: _____		
b. Individual Performing Services (including address if different from No. 10a) Prefix _____ * First Name: N/A Middle Name _____ * Last Name: N/A Suffix _____ * Street 1: _____ Street 2: _____ * City: _____ State: _____ Zip: _____		
11. Information required by section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed when the award was made. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress and the public. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$50,000. * Signature: (b) (4) * Name: Prefix _____ * First Name: (b) (4) Middle Name _____ * Last Name: (b) (4) Suffix _____ Title: (b) (4) Telephone No.: (b) (4) Date: Completed on 2/17/23 to Grants.gov		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

*Name (b) (4)

*Street 1 (b) (4) Street 2 (b) (4)

*City (b) (4) State (b) (4) Zip (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: DOE	7. * Federal Program Name/Description: GRIP-WARN CFDA Number, if applicable:
---	---

8. Federal Action Number, if known:	9. Award Amount, if known: \$ (b) (4)
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix *First Name (b) (4) Middle Name

*Last Name (b) (4) Suffix

*Street 1 (b) (4) Street 2 (b) (4)

*City (b) (4) State (b) (4)

b. Individual Performing Services (including address if different from No. 10a)

Prefix *First Name (b) (4) Middle Name

*Last Name (b) (4) Suffix

*Street 1 Street 2

*City State Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

*Signature: Completed on submission to Grants.gov

*Name: Prefix *First Name (b) (4) Middle Name
*Last Name (b) (4) Suffix

Title: (b) (4) Telephone No.: (b) (4) Date: 2/16/23
Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee * Name (b) (4) * Street 1 (b) (4) Street 2 * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known:		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: <p style="text-align: center;">Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602</p>		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: CFDA Number, if applicable:	
8. Federal Action Number, if known:	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant: Prefix * First Name N/A Middle Name * Last Name Suffix * Street 1 Street 2 * City State Zip		
b. Individual Performing Services (including address if different from No. 10a) Prefix * First Name N/A Middle Name * Last Name Suffix * Street 1 Street 2 * City State Zip		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: Prefix * First Name (b) (4) Middle Name * Last Name (b) (4) Suffix Title Telephone No. Date: Completed on submission to Grants.gov		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name: (b) (4)
* Street 1: (b) (4) Street 2: (b) (4)
* City: (b) (4) State: (b) (4) Zip: (b) (4)
Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: (b) (4)	7. * Federal Program Name/Description: CFDA Number, if applicable: _____
---	--

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____
---	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4) Grants.gov
* Name: Prefix (b) (4) * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____
Title: (b) (4) Telephone No.: (b) (4) Date: 02/24/2023 submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name: (b) (4) [Redacted]
* Street 1: (b) (4) [Redacted] Street 2: [Redacted]
* City: (b) (4) [Redacted] State: (b) (4) [Redacted] Zip: (b) (4) [Redacted]
Congressional District, if known: [Redacted]

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN-Grid Resilience and Innovation Partnership Topic 1 CFDA Number, if applicable: [Redacted]
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ [Redacted]
--	--

10. a. Name and Address of Lobbying Registrant:

Prefix [Redacted] * First Name: N/A Middle Name [Redacted]
* Last Name: [Redacted] Suffix [Redacted]
* Street 1: [Redacted] Street 2: [Redacted]
* City: [Redacted] State: [Redacted] Zip: [Redacted]

b. Individual Performing Services (including address if different from No. 10a)

Prefix [Redacted] * First Name: N/A Middle Name [Redacted]
* Last Name: [Redacted] Suffix [Redacted]
* Street 1: [Redacted] Street 2: [Redacted]
* City: [Redacted] State: [Redacted] Zip: [Redacted]

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4) [Redacted]
* Name: Prefix [Redacted] * First Name: (b) (4) Middle Name: (b) (4)
* Last Name: (b) (4) Suffix [Redacted]
Title: (b) (4) Telephone No.: (b) (4) Date: 2-21-23

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

OMB Number 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a contract <input checked="" type="checkbox"/> b grant <input type="checkbox"/> c cooperative agreement <input type="checkbox"/> d loan <input type="checkbox"/> e loan guarantee <input type="checkbox"/> f loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> P * Name (b) (4) * Street 1 (b) (4) Street 2 (b) (4) * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known: (b) (4)		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: <p style="text-align: center;">Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602</p>		
6. * Federal Department/Agency: DOE	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number if applicable: (b) (4)	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ (b) (4)	
10. a. Name and Address of Lobbying Registrant: Prefix (b) (4) * First Name N/A Middle Name (b) (4) * Last Name N/A Suffix (b) (4) * Street 1 (b) (4) Street 2 (b) (4) * City (b) (4) State (b) (4) Zip (b) (4)		
b. Individual Performing Services (including address if different from No 10a) Prefix (b) (4) * First Name N/A Middle Name (b) (4) * Last Name N/A Suffix (b) (4) * Street 1 (b) (4) Street 2 (b) (4) * City (b) (4) State (b) (4) Zip (b) (4)		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: Prefix (b) (4) * First Name (b) (4) Middle Name (b) (4) * Last Name (b) (4) Suffix (b) (4) Title: (b) (4) Telephone No.: (b) (4) Date: 17 February 2023		
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee * Name (b) (4) * Street 1 (b) (4) Street 2 (b) (4) * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known: (b) (4)		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable:	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant: Prefix * First Name N/A Middle Name * Last Name N/A Suffix * Street 1 Street 2 * City State Zip		
b. Individual Performing Services (including address if different from No. 10a) Prefix * First Name N/A Middle Name * Last Name N/A Suffix * Street 1 Street 2 * City State Zip		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any (b) (4) shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: Completed on submission to Grants.gov * Name: Prefix * First Name (b) (4) Middle Name * Last Name (b) (4) Suffix Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: DOE-NETL	7. * Federal Program Name/Description: BIL Grid Resilience and Innovation Partnerships
	CFDA Number, if applicable: 81.254

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name: N/A Middle Name _____

* Last Name: N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name: N/A Middle Name _____

* Last Name: N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4) .gov

* Name: Prefix _____ * First Name: (b) (4) Middle Name _____
* Last Name: (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB

4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee Tier if known:

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: 97370

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

* Name: Holy Cross Energy

* Street 1: 3799 Highway 82 Street 2: _____

* City: Glenwood Springs State: CO: Colorado Zip: 81602

Congressional District, if known: _____

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic 1 CFDA Number, if applicable: _____
--	---

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name N/A Middle Name _____

* Last Name N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name N/A Middle Name _____

* Last Name N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: _____ Date: 2/14/2023

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB
4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee Tier if known: <input type="checkbox"/> * Name (b) (4) * Street 1 (b) (4) Street 2 * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known (b) (4)		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: * Name Holy Cross Energy * Street 1 3799 Hwy 82 Street 2 * City Glenwood Springs State CO: Colorado Zip 81602 Congressional District, if known:		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: BIL-GRIP Topic 1 Grid Resilience CFDA Number, if applicable:	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant: Prefix * First Name N/A Middle Name * Last Name N/A Suffix * Street 1 Street 2 * City State Zip		
b. Individual Performing Services (including address if different from No. 10a) Prefix * First Name N/A Middle Name * Last Name N/A Suffix * Street 1 Street 2 * City State Zip		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: Prefix * First Name (b) (4) Middle Name * Last Name (b) (4) Suffix Title: (b) (4) Telephone No.: (b) (4) Date: (b) (4)		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name (b) (4)

* Street 1 (b) (4) Street 2

* City (b) (4) State (b) (4) Zip (b) (4)

Congressional District, if known:

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable:
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix * First Name NA Middle Name
* Last Name NA Suffix
* Street 1 Street 2
* City State Zip

b. Individual Performing Services (including address if different from No. 10a)

Prefix * First Name NA Middle Name
* Last Name NA Suffix
* Street 1 Street 2
* City State Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix * First Name (b) (4) Middle Name
* Last Name (b) (4) Suffix

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	---	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: (b) (4)

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Gr d Res eance and Innovat on Partnersh p - Top c Area 1 CFDA Number, if applicable: _____
--	---

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name: N/A Middle Name _____

* Last Name: N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name: N/A Middle Name _____

* Last Name: N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)

* Name: Prefix _____ * First Name: (b) (4) Middle Name _____
* Last Name: (b) (4) Suffix _____

Title: _____ Telephone No.: _____ Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB
4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year <input type="text"/> quarter <input type="text"/> date of last report <input type="text"/>
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee Tier if known: <input type="checkbox"/> * Name (b) (4) * Street 1 (b) (4) Street 2 <input type="text"/> * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known: (b) (4)		
Holy Cross Energy PO Box 2150 Genwood Springs, CO 81602		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: Grid Resilience and Innovation Partnerships (GRIP) CFDA Number, if applicable: <input type="text"/>	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ <input type="text"/>	
10. a. Name and Address of Lobbying Registrant: Prefix <input type="text"/> * First Name N/A Middle Name <input type="text"/> * Last Name <input type="text"/> Suffix <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/>		
b. Individual Performing Services (including address if different from No. 10a) Prefix <input type="text"/> * First Name N/A Middle Name <input type="text"/> * Last Name <input type="text"/> Suffix <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/>		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: Prefix <input type="text"/> * First Name (b) (4) Middle Name (b) (4) * Last Name (b) (4) Suffix <input type="text"/> Title: (b) (4) Telephone No.: (b) (4) Date: (b) (4)		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name (b) (4)
* Street 1 (b) (4) Street 2
* City (b) (4) State (b) (4) Zip (b) (4)
Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN Grid Resilience and Innovation Partnership-Topic Area 1 CFDA Number, if applicable:
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix * First Name N/A Middle Name
* Last Name N/A Suffix
* Street 1 Street 2
* City State Zip

b. Individual Performing Services (including address if different from No. 10a)

Prefix * First Name N/A Middle Name
* Last Name N/A Suffix
* Street 1 Street 2
* City State Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix * First Name (b) (4) Middle Name (b) (4)
* Last Name (b) (4) Suffix

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB

4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee Tier if known:

* Name (b) (4)
* Street 1 (b) (4) Street 2
* City (b) (4) State (b) (4) Zip (b) (4)
Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

* Name Holy Cross Energy
* Street 1 PO Box 2150 Street 2
* City Glenwood Springs State CO Zip 81602
Congressional District, if known:

6. * Federal Department/Agency: DEPART. OF ENERGY/GRID DEPLOYMENT OFFICE	7. * Federal Program Name/Description: BIL- GRID RESILIENCE AND INNOVATION PARTNERSHIPS (GRIP) CFDA Number, if applicable:
--	---

8. Federal Action Number, if known:	9. Award Amount, if known: \$
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix * First Name N/A Middle Name
* Last Name N/A Suffix
* Street 1 Street 2
* City State Zip

b. Individual Performing Services (including address if different from No. 10a)

Prefix * First Name N/A Middle Name
* Last Name N/A Suffix
* Street 1 Street 2
* City State Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)
* Name: Prefix * First Name (b) (4) Middle Name
* Last Name (b) (4) Suffix
Title: (b) (4) Telephone No.: (b) (4) Date: 02/13/2023

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: DOE	7. * Federal Program Name/Description: _____ CFDA Number, if applicable: _____
---	---

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____
---	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)

* Name: Prefix _____ * First Name (b) (4) Middle Name (b) (4)
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: DOE	7. * Federal Program Name/Description: GRIP CFDA Number, if applicable: _____
---	--

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____
---	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name: N/A Middle Name _____

* Last Name: N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name: N/A Middle Name _____

* Last Name: N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4) sion to Grants.gov

* Name: Prefix _____ * First Name: (b) (4) Middle Name _____
* Last Name: (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: 2/16/23 on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	---	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: Grid Resilience and Innovation Partnerships Program CFDA Number, if applicable: 81.254
--	--

8. Federal Action Number, if known:
DE-FOA-002740

9. Award Amount, if known:
\$ _____

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$50,000.

* Signature: (b) (4)

* Name: Prefix _____ * First Name (b) (4) Middle Name (b) (4)

* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

OMB Control Number: 4040-0013

Expiration Date: 2/28/2025

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Review Public Burden Disclosure Statement

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee Tier if known: <input type="checkbox"/> * Name: (b) (4) * Street 1: (b) (4) Street 2: _____ * City: (b) (4) State: (b) (4) Zip: (b) (4) Congressional District, if known: _____		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: * Name: Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602 * Street 1: PO Box 2150 Street 2: _____ * City: Glenwood Springs State: CO: Colorado Zip: 81602 Congressional District, if known: 3rd		
6. * Federal Department/Agency: NA	7. * Federal Program Name/Description: Grid Resilience and Innovative Partnerships (GRIP) Topic Area 1 CFDA Number, if applicable: _____	
8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant: Prefix _____ * First Name NA Middle Name _____ * Last Name NA Suffix _____ * Street 1 _____ Street 2 _____ * City _____ State _____ Zip _____		
b. Individual Performing Services (including address if different from No. 10a) Prefix _____ * First Name NA Middle Name _____ * Last Name NA Suffix _____ * Street 1 _____ Street 2 _____ * City _____ State _____ Zip _____		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: Prefix _____ * First Name (b) (4) Middle Name _____ * Last Name (b) (4) Suffix _____ Title: (b) (4) Telephone No.: (b) (4) Date: 02/21/2023		
Federal Use Only:		STANDARD FORM LLL (REV. 7/1997) Authorized for Local Reproduction

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4)

* City: (b) (4) Zip: (b) (4)

Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: _____	7. * Federal Program Name/Description: _____ CFDA Number, if applicable: _____
---	---

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____
---	---

10. Name and Address of Lobbying Registrant:

Prefix _____ * First Name _____ Middle Name _____

* Last Name _____ Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name _____ Middle Name _____

* Last Name _____ Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)

* Name: Prefix _____ * First Name _____ Middle Name _____
* Last Name _____ Suffix _____

Title: _____ Telephone No.: _____ Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name: (b) (4)
* Street 1: (b) (4) Street 2: _____
* City: (b) (4) State: (b) (4) Zip: (b) (4)
Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable: _____
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name N/A Middle Name _____
* Last Name _____ Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name N/A Middle Name _____
* Last Name _____ Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)
* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____
Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN-GridResilience and Innovation Partnership-Topic Area 1 CFDA Number, if applicable: _____
--	---

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ (b) (4)
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name N/A Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: US Department of Energy	7. * Federal Program Name/Description: WARN-Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable: _____
---	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name N/A Middle Name _____

* Last Name _____ Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name N/A Middle Name _____

* Last Name _____ Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name: (b) (4)
* Street 1: (b) (4) Street 2: _____
* City: _____ State: (b) (4) Zip: (b) (4)
Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: DOE-NETL	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic area 1 CFDA Number, if applicable: _____
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name N/A Middle Name _____
* Last Name N/A Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name N/A Middle Name _____
* Last Name N/A Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)
* Name: Prefix _____ * First Name _____ Middle Name _____
* Last Name (b) (4) Suffix _____
Title: (b) (4) Telephone No. (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name (b) (4)
* Street 1 (b) (4) Street 2
* City (b) (4) State (b) (4) Zip (b) (4)
Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: N/A	7. * Federal Program Name/Description: WARN- Grid Resilience and Innovation Partnerships-Topic Area 1 CFDA Number, if applicable:
---	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix * First Name N/A Middle Name
* Last Name N/A Suffix
* Street 1 Street 2
* City State Zip

b. Individual Performing Services (including address if different from No. 10a)

Prefix * First Name N/A Middle Name
* Last Name N/A Suffix
* Street 1 Street 2
* City State Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov
* Name: Prefix * First Name (b) (4) Middle Name
* Last Name (b) (4) Suffix
Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: (b) (4)

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable: 81.254
--	---

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix: Middle Name: * First Name: Not Applicable

* Last Name: Not Applicable Suffix:

* Street 1: NA Street 2:

* City: NA State: Zip:

b. Individual Performing Services (including address if different from No. 10a)

Prefix: Middle Name: * First Name: Not Applicable

* Last Name: Not Applicable Suffix:

* Street 1: NA Street 2:

* City: NA State: Zip:

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4) .gov

* Name: Prefix: Middle Name: * First Name: (b) (4)

* Last Name: (b) (4) Suffix:

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB

4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year <input type="text"/> quarter <input type="text"/> date of last report <input type="text"/>
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee Tier if known: <input type="text"/> * Name (b) (4) * Street 1 (b) (4) Street 2 <input type="text"/> * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known: (b) (4)		
Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN-Grid Resilience and Innovation Partnership-Topic Area 1 CFDA Number, if applicable: <input type="text"/>	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ <input type="text"/>	
10. a. Name and Address of Lobbying Registrant: Prefix <input type="text"/> * First Name N/A Middle Name <input type="text"/> * Last Name N/A Suffix <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/>		
b. Individual Performing Services (including address if different from No. 10a) Prefix <input type="text"/> * First Name N/A Middle Name <input type="text"/> * Last Name N/A Suffix <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/>		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: Prefix <input type="text"/> * First Name (b) (4) Middle Name <input type="text"/> * Last Name (b) (4) Suffix <input type="text"/> Title: (b) (4) Telephone No.: (b) (4) Date: 2/13/2023		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee * Name: (b) (4) * Street 1: (b) (4) Street 2: _____ * City: (b) (4) State: (b) (4) Zip: (b) (4) Congressional District, if known: (b) (4)		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: <p style="text-align: center;">Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602</p>		
6. * Federal Department/Agency: DEPT. OF ENERGY	7. * Federal Program Name/Description: WARN-GRIDRESILIENCE-TOPICAREA 1 CFDA Number, if applicable: _____	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant: Prefix _____ * First Name _____ Middle Name _____ * Last Name _____ Suffix _____ * Street 1 _____ Street 2 _____ * City _____ State _____ Zip _____		
b. Individual Performing Services (including address if different from No. 10a) Prefix _____ * First Name _____ Middle Name _____ * Last Name _____ Suffix _____ * Street 1 _____ Street 2 _____ * City _____ State _____ Zip _____		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.		
* Signature: Completed on submission to Grants.gov		
* Name: Prefix _____ * First Name (b) (4) Middle Name _____ * Last Name (b) (4) Suffix _____		
Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB

4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: DOE	7. * Federal Program Name/Description: GRIP CFDA Number, if applicable: _____
---	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name: (b) (4) Middle Name _____

* Last Name: (b) (4) Suffix _____

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name: (b) (4) Middle Name _____

* Last Name: (b) (4) Suffix _____

* Street 1: _____ Street 2: _____

* City: _____ State: _____ Zip: _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)

* Name: Prefix _____ * First Name: (b) (4) Middle Name _____
* Last Name: (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: 02/16/2023

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB
4040-0013

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee Tier if known:

* Name: (b) (4)
* Street 1: (b) (4) Street 2: _____
* City: (b) (4) State: (b) (4) Zip: (b) (4)
Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

* Name: Holy Cross Energy
* Street 1: PO Box 2150 Street 2: _____
* City: Glenwood Springs State: CO: Colorado Zip: 81602
Congressional District, if known: _____

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: BIL - Grid Resilience and Innovation Partnership CFDA Number, if applicable: 01.254
--	---

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name: N/A Middle Name: _____
* Last Name: N/A Suffix: _____
* Street 1: _____ Street 2: _____
* City: _____ State: _____ Zip: _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name: N/A Middle Name: _____
* Last Name: N/A Suffix: _____
* Street 1: _____ Street 2: _____
* City: _____ State: _____ Zip: _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)
* Name: Prefix: _____ * First Name: (b) (4) Middle Name: _____
* Last Name: (b) (4) Suffix: _____
Title: _____ Telephone No.: _____ Date: 02/17/2023

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee * Name (b) (4) * Street 1 (b) (4) Street 2 _____ * City _____ State (b) (4) Zip (b) (4) Congressional District, if known: (b) (4)		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: <p style="text-align: center;">Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602</p>		
6. * Federal Department/Agency: DOE	7. * Federal Program Name/Description: WARN - GRIP - Topic Area 1 CFDA Number, if applicable: _____	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant: Prefix _____ * First Name N/A Middle Name _____ * Last Name _____ Suffix _____ * Street 1 _____ Street 2 _____ * City _____ State _____ Zip _____		
b. Individual Performing Services (including address if different from No. 10a) Prefix _____ * First Name N/A Middle Name _____ * Last Name _____ Suffix _____ * Street 1 _____ Street 2 _____ * City _____ State _____ Zip _____		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: (b) (4) * Name: _____ Middle Name _____ * Last Name (b) (4) Suffix _____ Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN - Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable: _____
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: _____ Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name: (b) (4)
* Street 1: (b) (4) Street 2: _____
* City: (b) (4) State: (b) (4) Zip: (b) (4)
Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department Of Energy	7. * Federal Program Name/Description: WARN-Grid Resilience and Innovation Partnership - Topic Area 1 CFDA Number, if applicable: _____
--	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name: NA Middle Name _____
* Last Name: NA Suffix _____
* Street 1: _____ Street 2: _____
* City: _____ State: _____ Zip: _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name: NA Middle Name _____
* Last Name: NA Suffix _____
* Street 1: _____ Street 2: _____
* City: _____ State: _____ Zip: _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)
* Name: Prefix _____ * First Name: (b) (4) Middle Name _____
* Last Name: (b) (4) Suffix _____
Title: (b) (4) Telephone No.: (b) (4) Date: 2-17-2023

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name (b) (4)
* Street 1 (b) (4) Street 2 _____
* City (b) (4) State (b) (4) Zip (b) (4)
Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: _____	7. * Federal Program Name/Description: WARN - Grid Resilience + Innovation Partnership - Topic Area 2 CFDA Number, if applicable: _____
---	--

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name NIA Middle Name _____
* Last Name _____ Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name _____ Middle Name _____
* Last Name _____ Suffix _____
* Street 1 _____ Street 2 _____
* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> SubAwardee * Name (b) (4) * Street 1 (b) (4) Street 2 * City (b) (4) State (b) (4) Zip (b) (4) Congressional District, if known:		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: Holy Cross Energy PO Box 2150 Glenwood Springs, CO 81602		
6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN-Grid Resilience and Innovation Partnership-Topic Area 1 CFDA Number, if applicable:	
8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant: Prefix * First Name N/A Middle Name * Last Name Suffix * Street 1 Street 2 * City State Zip		
b. Individual Performing Services (including address if different from No. 10a) Prefix * First Name Middle Name * Last Name Suffix * Street 1 Street 2 * City State Zip		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: Completed on submission to Grants.gov * Name: Prefix * First Name (b) (4) Middle Name * Last Name (b) (4) Suffix Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov		
Federal Use Only:		Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name (b) (4)

* Street 1 (b) (4) Street 2

* City (b) (4) Zip

Congressional District, if known:

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: (b) (4)	7. * Federal Program Name/Description: CFDA Number, if applicable:
---	--

8. Federal Action Number, if known:	9. Award Amount, if known: \$
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix * First Name Middle Name
* Last Name Suffix
* Street 1 Street 2
* City State Zip

b. Individual Performing Services (including address if different from No. 10a)

Prefix * First Name Middle Name
* Last Name Suffix
* Street 1 Street 2
* City State Zip

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix (b) (4) Middle Name
* Last Name (b) (4) Suffix

Title: Telephone No.: Date: Completed on submission to Grants.gov

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input checked="" type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	---	--

4. Name and Address of Reporting Entity:
 Prime SubAwardee

* Name: (b) (4)
* Street 1: (b) (4) Street 2: _____
* City: (b) (4) State: (b) (4) Zip: (b) (4)
Congressional District, if known: _____

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: WARN-Grid resilience partnership - Topic area 1 CFDA Number, if applicable: _____
--	---

8. Federal Action Number, if known: DE-FOA-0002740	9. Award Amount, if known: \$ _____
--	---

10. a. Name and Address of Lobbying Registrant:

Prefix: _____ * First Name: N/A Middle Name: _____
* Last Name: N/A Suffix: _____
* Street 1: _____ Street 2: _____
* City: _____ State: _____ Zip: _____

b. Individual Performing Services (including address if different from No. 10a)

Prefix: _____ * First Name: N/A Middle Name: _____
* Last Name: N/A Suffix: _____
* Street 1: _____ Street 2: _____
* City: _____ State: _____ Zip: _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: (b) (4)
* Name: Prefix: _____ * First Name: (b) (4) Middle Name: _____
* Last Name: (b) (4) Suffix: _____
Title: (b) (4) Telephone No.: (b) (4) Date: 2/17/2023

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name: (b) (4)

* Street 1: (b) (4) Street 2: _____

* City: (b) (4) State: (b) (4) Zip: (b) (4)

Congressional District, if known: (b) (4)

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

Holy Cross Energy
PO Box 2150
Glenwood Springs, CO 81602

6. * Federal Department/Agency: Department of Energy	7. * Federal Program Name/Description: GRIP Consortium Bid Topic 1 CFDA Number, if applicable: _____
--	---

8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ (b) (4)
---	---

10. a. Name and Address of Lobbying Registrant:

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 (b) (4) Street 2 _____

* City (b) (4) State (b) (4) Zip (b) (4)

b. Individual Performing Services (including address if different from No. 10a)

Prefix _____ * First Name (b) (4) Middle Name _____

* Last Name (b) (4) Suffix _____

* Street 1 _____ Street 2 _____

* City _____ State _____ Zip _____

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature: Completed on submission to Grants.gov

* Name: Prefix _____ * First Name (b) (4) Middle Name _____
* Last Name (b) (4) Suffix _____

Title: (b) (4) Telephone No.: (b) (4) Date: Completed on submission to Grants.gov

Statement of Project Objectives (SOPO) – WARN: Wildfire Assessment and Resilience for Networks

A. OBJECTIVES

The three overall objectives of the project, each mapping to a task, are:

- 1. Objective #1: Fundamental shift in cooperatives' grid design process:** Introducing the WARN co ops and communities to wildfire-aware thinking will create a fundamental shift in their grid design processes. This shift will be supported by two key efforts that will lead to repeatable solutions at these and other co-ops and small utilities: 1) development and dissemination of the WMP/WARN assessment tools that support wildfire-aware design with data and algorithms; and 2) introducing and educating the co-ops and their communities on advanced technologies—utility equipment and operations, monitoring of and decision support for wildfire risk, and monitoring and maintaining co-op equipment and right of ways
- 2. Objective #2: Drastic reduction in wildfire risk and catastrophic loss: The deployment** of the equipment and mitigation techniques at WARN's 39 projects will lead to an immediate reduction in the likelihood of utility-ignited wildfires and potential losses of property and natural, community, and cultural resources at co-ops in high wildfire risk zones.
- 3. Objective #3: DAC participation in co-op workforce:** The combination of our community outreach and workforce development efforts will lead to stronger connections between the DACs and their co-ops. These connections will tap into the human potential in the DACs to create a skilled workforce for the co-ops and opportunities and jobs inside the DACs.

B. SCOPE OF WORK

We will execute this project in 5 performance periods with the following go/no-go decision points and end of project goals:

Period	Execution Months (Start-End)	Major Event ID	Event Description
1	1-12	GNG1	All coops have completed WARN assessment of their revised plans and documented the results in a report template
2	13-24	GNG2	Final engineering plans approved for construction at each cooperative
2	13-24	GNG3	New impact metrics from the CPT reports integrated into WARN and included in WARN outputs
3	25-36	GNG4	Second lessons learned/best practices meeting held. Outcomes documented in meeting report
4	37-48	GNG5	Second lessons learned/best practices meeting held. Outcomes documented in meeting report
5	49-60	EOPG	WARN (and WMP) risk assessment tools available on cooperative.com for access by all NRECA coops

C. TASKS TO BE PERFORMED

In order to meet the project objectives, we will execute the work in seven major tasks, 32 sub-tasks, and 29 milestones as described in the table below. Each milestone includes a deliverable as indicated in the description.

WBS #	Milestone Description	Verification Process	Type	BP	Qtr Due
1.3	Kickoff meeting	Minutes & report delivered	M	P1	Q1
2.1	Community Partnership Teams (CPT) created	Rosters of CPTs created for each coop	M	P1	Q1
3.1	WMP adaptation	Coop data inputs/outputs standardized. Data flows and outputs verified	M	P1	Q1
4.1	Conceptual grid upgrade plan	Each coop plan documented with all data for WMP analysis	M	P1	Q1
6.1/6.2 (1)	Workforce/Skills needs survey	Quantitative workforce needs documented in report	M	P1	Q1
3.2	WMP training	All coops have completed WMP training	M	P1	Q2
4.2	WMP assessment	All coops have completed WMP assessment of their conceptual plans and documented the results in a report template	M	P1	Q2
5.1	Advanced technology sessions	All live sessions delivered and recorded. Static material and recordings available on cooperative.com	M	P1	Q2
6.1/6.2 (2)	DAC outreach 1	DAC outreach plan (round 1) implemented in coordination with regional/local community colleges and training facilities	M	P1	Q3
7.1	DEIA and M&V plans developed	Development of DEIA and M&V plans and timelines begins	M	P1	Q2
2.3	Conceptual plan report	Each CPT has completed the report using the FAC-provided template	M	P1	Q3
3.4	WARN Training	All coops have completed WARN training	M	P1	Q4
4.4	WARN assessment	All coops have completed WARN assessment of their revised plans and documented the results in a report template	G/NG	P1	Q4
4.5	Project engineering and approval	Final engineering plans approved for construction at each cooperative	G/NG	P2	Q5
6.1/6.2 (2)	Workforce development	DAC outreach plan results (# of students in training programs & apprentice and interns placed) meeting each cooperative's goals in their Workforce/Skills Survey	M	P2	Q7
3.5	WARN update--community report	New impact metrics from the CPT reports integrated into WARN and included in WARN outputs	G/NG	P2	Q8
7.2	DEIA training	All coops have completed their individual DEIA plans	M	P3	Q9
6.1/6.2 (3)	Workforce development	DAC outreach plan results (# of students in training programs & apprentice and interns placed) meeting each cooperative's goals in their Workforce/Skills Survey	M	P3	Q11
4.6	Project construction	All coops have completed construction and upgraded systems are ready for testing	G/NG	P3	Q11
5.4.1	Annual meeting 1	First lessons learned/best practices meeting held. Outcomes documented in meeting report	M	P3	Q11

4.7	Testing & acceptance	All coop projects tested and meet operational performance objectives. Ready for normal operations.	M	P3	Q12
6.1/6.2 (4)	Workforce development	DAC outreach plan results (# of students in training programs & apprentice and interns placed) meeting each cooperative's goals in their Workforce/Skills Survey	M	P4	Q15
5.4.2	Annual meeting 2	Second lessons learned/best practices meeting held. Outcomes documented in meeting report	G/NG	P4	Q15
7.3	DEIA M&V	Assessment of changes in DEIA metrics at each coop complete and documented in aggregate report	M	P5	Q17
3.6	WARN update--utility report	Data from coop project construction costs, fault events, and ignition events integrated into WARN	M	P5	Q18
5.4.3	Annual meeting 3	Second lessons learned/best practices meeting held. Outcomes documented in meeting report	M	P5	Q19
1.3.5	Final report	Report delivered to and accepted by DOE	M	P5	Q20
2.4	Community benefits validation	Project impacts are assessed and compared with expected impacts from the CPTs' Conceptual Plan Reports. Detailed comparisons integrated into the Final Report	M	P5	Q20
3.7	WARN release	WARN (and WMP) risk assessment tools available on cooperative.com for access by all NRECA coops	G/NG	P5	Q20

D. Deliverables

Subtask 1.1: Project Management Plan (PMP)— Within 30 days of award, the HCE shall submit a Project Management Plan (PMP) to the designated Federal Project Officer (FPO). HCE shall not proceed beyond Task 1.0 until the PMP has been accepted by the FPO. The PMP shall be revised and resubmitted as often as necessary, during the course of the project, to capture any major/significant changes to the planned approach, budget, key personnel, major resources, etc. HEC will manage and direct the project in accordance with the accepted PMP to meet all technical, schedule and budget objectives and requirements. HEC will coordinate activities to effectively accomplish the work. HEC will ensure that project plans, results, and decisions are appropriately documented, and that project reporting and briefing requirements are satisfied.

Subtask 1.2: National Environmental Policy Act (NEPA) Compliance—As required, HEC and NRECA Research will provide the documentation necessary for NEPA compliance.

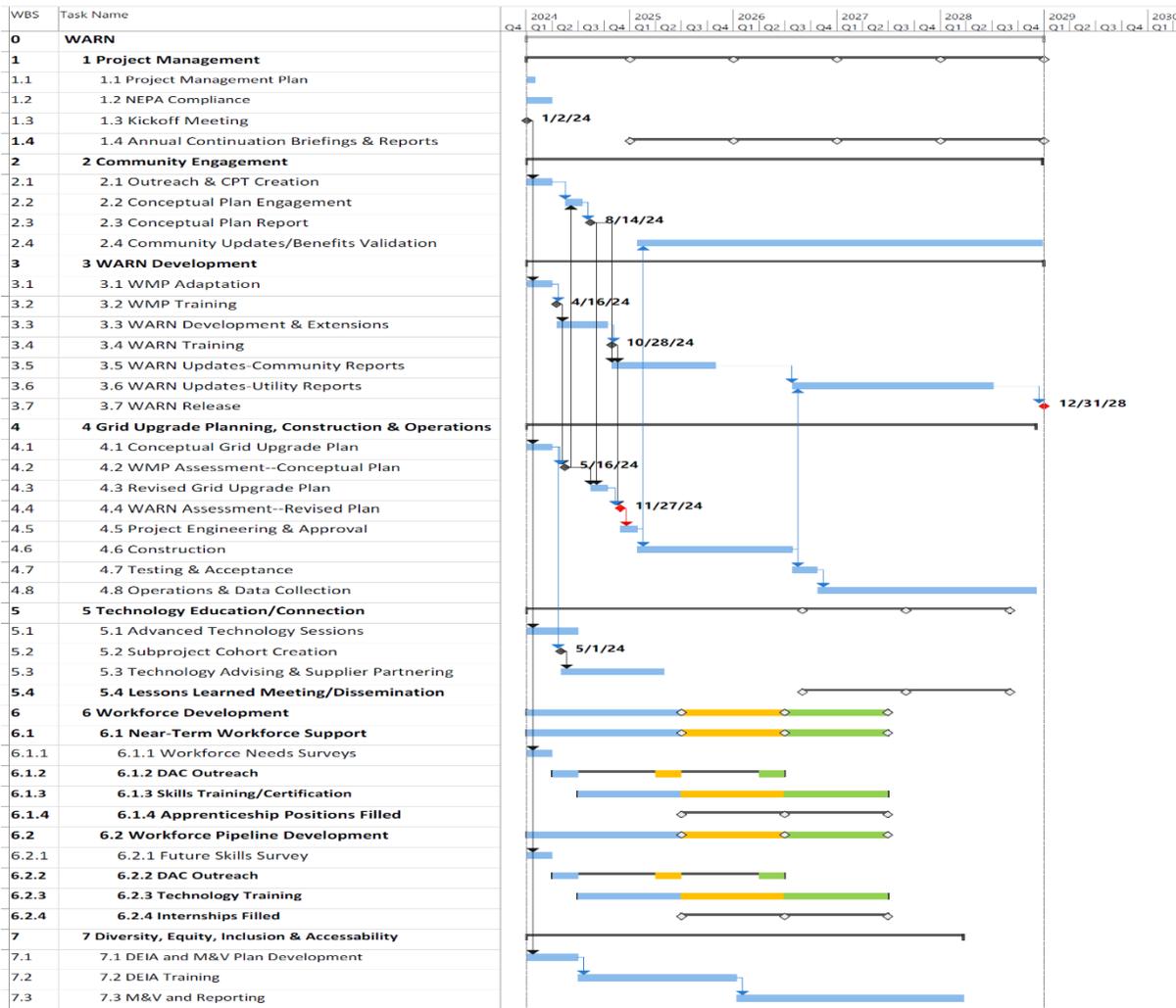
Subtask 1.4: Annual Continuation Briefings and Reports—HEC and NRECA Research collect annual performance, schedule, and financial reporting data and prepare written annual and final project reports. HEC and NRECA Research will brief DOE on roughly an annual basis to explain the plans, progress and results of the technical effort. The briefing shall also describe performance relative to project success criteria, milestones, and the Go/No-Go Decision point that are documented in the Project Management Plan (PMP).

Subtask 2.3: Conceptual Plan Report— Each CPT generates a Conceptual Plan Report (CPR) to document their assessment of the conceptual upgrade plan, discuss potential benefits and impacts to the community, raise additional community-based considerations and benefits, and pose potential modifications to the plan to enhance community benefits. NRECA Research develops a CPR template to simplify and standardize the collection of data.

Subtask 3.5: WARN Updates—Conceptual Plan Reports—The feedback in the Conceptual Plan Reports is assessed for potential extensions to the WARN tool, including additional community benefits metrics and methods for balancing qualitative and quantitative metrics.

Subtask 3.6: WARN Updates—Utility Reports—WARN will be periodically updated as data become available from the cooperative subprojects. We anticipate two major updates: 1) WARN construction cost data will be updated using construction budget reports from each cooperative and 2) WARN operational data will be updated using outage and fault data from 1-2 years of project operations.

Subtask 7.3: M&V and Reporting—GBD will use the M&V process to track the progress of each of the co-ops and provide implementation consultation, as needed. The metrics of the M&V process will be documented in all reporting to DOE.



E. Briefings/Technical Presentations

Subtask 2.2: Conceptual Plan Engagement—NRECA Research creates an engagement facilitation template. Each co-op uses this template in meetings with their CPT to discuss the potential impacts of a utility-ignited wildfire (assessed by WMP in 4.2), present their Conceptual Grid Upgrade (from 4.1), and discuss the expected reduction in risk of impacts (assessed by WMP in 4.2). During this meeting and through post-meeting follow up, the CPT can ask questions about the conceptual plan and its potential impacts and provide suggestions on how the plan could be modified to better serve the local community.

Subtask 2.4: Community Updates/Benefits Validation—Each electric co-op holds community outreach meetings at key stages relevant for each co-op’s timeline and community needs (e.g., pre-construction, pre-operations, and post-operations). The co-ops update the community on project progress; the status of issues raised in the Upgrade Plan Reports (2.3); and community benefits including apprenticeships, internships, and education opportunities.

Subtask 3.4: WARN Training—Cloudfire and NRECA Research will provide online training courses on the use of the WARN tool to the participating electric cooperatives. Training will cover the extensions added to WMP to create WARN, methods for balancing quantitative and qualitative metrics, the collection and conditioning of any additional data inputs, calculational methods and assumptions, and interpretation of the WARN outputs.

Subtask 5.1: Advanced Technology Sessions—Grid Forward creates and delivers live (virtual) and static (online documentation and recorded live sessions) training materials on advanced technologies for wildfire resilience—including those being considered by the co-ops and advanced technologies that the co-ops may add to their Grid Upgrade Plans.

Subtask 5.4: Lessons Learned Meetings/Dissemination—During the last three years of the project, Grid Forward organizes annual meetings to disseminate lessons learned and best practices from the co-op cohorts. The anticipated emphasis of the meetings are: Year 3—Grid planning for wildfire resilience and community engagement, Year 4—Engineering, supply chain, and construction challenges, Year 5—Commissioning, operational, and data collection challenges. Each meeting produces a summary report and educational materials to further disseminate lessons learned, best practices, and applications of advanced technologies.

TA1-128-E **WARN**, Wildfire Assessment and Resilience for Networks

Project Goals

- 1. Fundamental shift in co-ops' grid design process** – WARN provides a scalable, repeatable, and holistic way of thinking about mitigating ignition events and creates a fundamental shift in their grid design processes.
- 2. Drastic reduction in economic, community, and public health impacts** – The deployment of the equipment and mitigation techniques on WARN's 39 projects will lead to an immediate reduction of potential future impacts at co-ops that have been historically subject to significant long-term outages and indirect economic impacts from wildfires.
- 3. DAC participation in co-op workforce** – The combination of our community outreach and workforce development efforts will lead to stronger connections between the DACs and their co-ops. These connections will tap into the human potential in the DACs to create a skilled workforce for the co-ops and opportunities and jobs inside the DACs

Technology Summary

Holy Cross Energy, in conjunction with NRECA Research, is proposing a wildfire mitigation project with a consortium of 39 small, rural, not-for-profit electric co-ops in high-threat areas. The Wildfire Assessment and Resilience for Networks will enable co-op consortium members to harden their networks with existing methods and by deploying advanced technologies to eliminate utility-ignited wildfires and better survive wildfires of all causes. WARN will advance the approach to wildfire resilience by providing co-op grid designers with an analysis tool that quantitatively reveals the expected direct impacts of utility-ignited wildfires to the local community (loss of property and natural and community resources), and to the regional electricity supply, so they can be accounted for in cost-benefit analysis.

Technology Impact

- Holy Cross Energy believes this consortium-based approach is the most effective way to ensure Federal resources reach rural communities.
- As consumer-owned not-for-profits, electric cooperatives exist solely for the benefit of their local communities; the proposed infrastructure work is being done to achieve important local priorities, and our work includes community and labor engagement plans; plans to attract, train, and retain a skilled and qualified workforce; and Diversity, Equity, Inclusion, and Accessibility approaches tailored to local communities.
- The WARN risk assessment tool will lead to a more effective use of government and private funding to mitigate wildfire risk and reduce the potential losses by the community. The WARN tool allows the grid designers (in the WARN Consortium and beyond) to explore and compare wildfire risk mitigation methods and ultimately select the most cost-effective option.

Key Personnel/Organizations

Prime recipient: Holy Cross Energy
Project manager: Dr. Bryan Hannegan

Budget

Federal funds: \$99,328,430
Cost-share: \$45,762,816 (32%)
Total: \$145,091,246

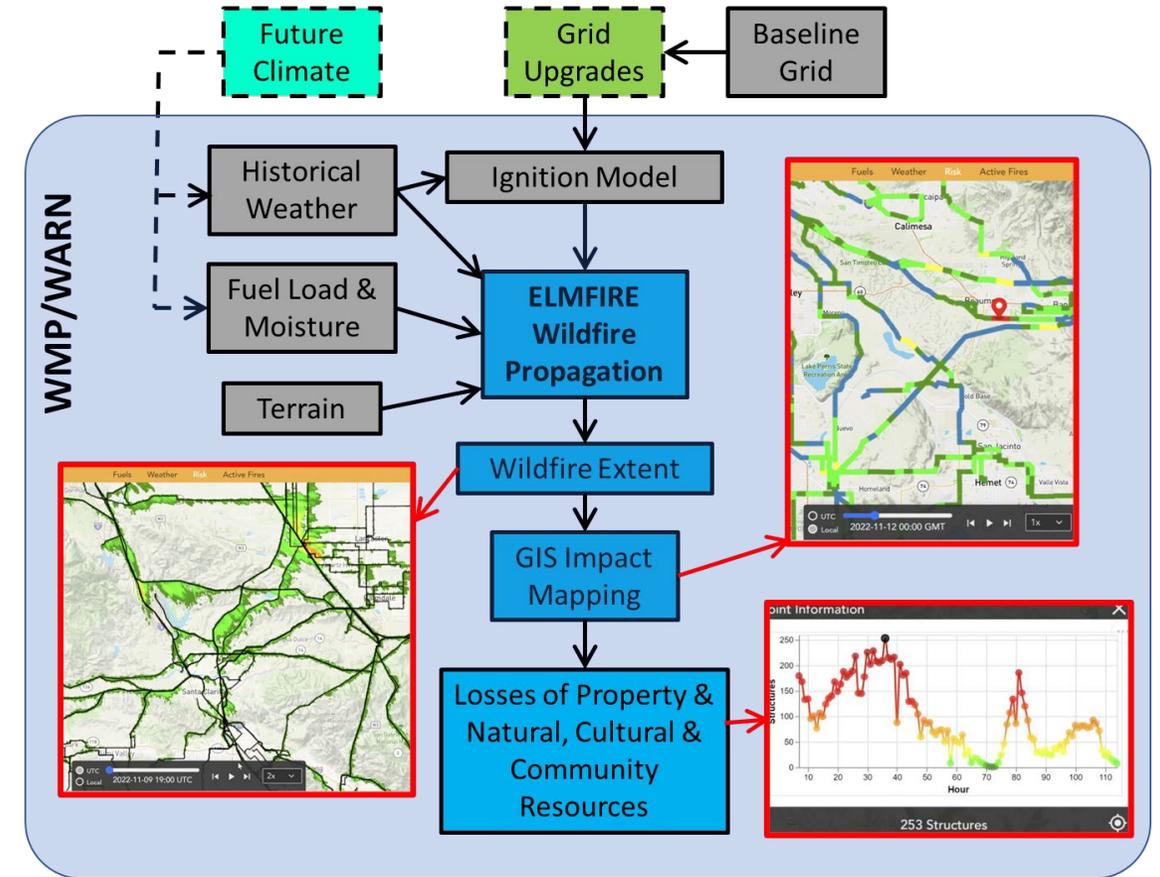


Figure 2: WARN/WMP workflow for risk assessment tool.

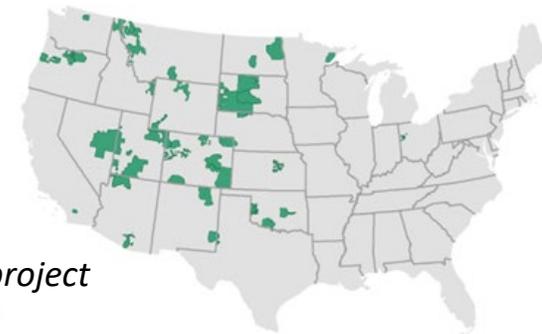


Figure 1: WARN project locations (green)

