

**State of Iowa
Iowa Energy Center Board
Meeting Minutes of November 18, 2021
at IEDA, 1963 Bell Avenue, Suite 200
Des Moines, Iowa
Or Via Teams Webinar**

Call to order 1:00 p.m.

Board Members Present

Dan Nickey, Board Vice Chair
Jennifer Johnson
Debi Durham
Jenae Jenison*
Craig Just*
Rick Olesen*
Terry Kouba*
Valerie Newhouse*

Board Members Absent

Troy DeJoode, Board Chair
Stuart Anderson
Geri Huser
Gul Kremer-Okudan

Iowa Economic Development Authority Staff Present

Brian Selinger
Amber Buckingham
Lisa Connell
Deanna Triplett
Vicky Clinkscale
Betty Hessing
Terry Roberson*
Kanan Kappelman*
Staci Hupp-Ballard*
Emily Hockins*
Ryan Young*
MK Anderson*
Maicie Pohlman*
Alaina Santizo*
Rob Christensen*

Others Present

Sarah Martz & Derek Wagner, Alliant Energy (Presenters)
Chaz Allen, Iowa Utility Association
Derek Folden, Iowa Finance Authority*
Brenda Biddle, Iowa Utilities Board*
Eric Richardson, Legislative Services Agency*
Sue Foecke, Iowa Senate Democrats*
Heather Hackbarth, Iowa Department of Management*
Karen Uhlenhuth, Midwest Energy News*

*Participated via Teams Webinar

Welcome & Introductions by Board Vice Chair Dan Nickey

Dan Nickey welcomed everyone to the November 18th IEC Board meeting

Roll Call

Betty Hessing did roll call and a quorum was established.

Consideration of September 30, 2021 Special Meeting Minutes

Motion by Rick Olesen

Motion I move approval of the September 30, 2021 minutes

Second Jennifer Johnson

Voice Vote All ayes in favor Motion approved

Public Comment Period – No comments**Fiscal Update – Attachment A**

Terry Roberson explained the FY22 financial and obligation information for the Iowa Energy Center's Main Account (grant program) and the previous and new loan programs Attachment A is the financial information through October 31, 2021 Mr Roberson asked if there were any questions, no questions

Legislative Update

Deanna Triplett stated we will be presenting a legislative agenda this year to extend the sunset of the Iowa Energy Center Board for an additional five years Brian Selinger thanked Deanna Triplett for taking this to the legislature so we can continue to support and do some good projects

Competitive Grant Program Update – Amber Buckingham

All of the grants that we awarded this fiscal year are now under contract except one The University of Iowa had some issues with their contracting with their sub, but they have gotten that resolved so Debi Durham should be seeing that contract soon for her signature

Amber Buckingham reported she has been doing site visits to all of the grantees that were awarded in 2019-2020 She's eighty percent done with those visits and has four to finish in December These site visits have been going very well and we have received some feedback from Iowa State University that we've incorporated into our Policies and Procedures Handbook that will make things smoother for all of our grantees moving forward

At our February 17, 2022 meeting, we should have 2-3 final reports from our earliest grantees—one from the energy group, one from the University of Northern Iowa and one from Baldrige Environmental Services

IEC Grant Program Policies & Procedures Handbook – Attachment B

Amber Buckingham stated that every year the IEC Board has to approve the Policies & Procedures Handbook based on the Administrative Code In August the Grant Committee met to discuss potential changes to the Policies & Procedures Handbook for the fourth round of grant applications Some of the changes include updating the reporting requirement, updates to the disbursement procedures and updates to the scoring matrix for both the pre-application and full application We did that to provide clarity to the applicants so

they can have a better idea of how we are scoring them. One big change is we decreased the total fiscal allocation from \$4M to \$2.5M because we are dealing with a decreasing amount of funds moving forward. All of those changes were approved by the Grant Committee and our staff recommendation would be to approve the changes to the Iowa Energy Center's Grant Program Policies & Procedures Handbook.

Motion by Debi Durham
Motion I move to approve the changes to the Iowa Energy Center Grant Program Policies and Procedures Handbook
Second Jennifer Johnson
Roll Call Yes 8 No 0
Motion approved

Grant Modification Request from Baldrige Environmental Services – 21-IEC-003 – Attachment C

Amber Buckingham explained she had a grant modification request to 21-IEC-003, which is Mobile Power for Rural Wastewater Treatment and Community Resilience. This is one that we approved in the last round of grant funding. After the last in-person Board meeting, Baldrige Environmental Services were talking with Iowa State and they are looking to incorporate the current ISU microgrid into their project, so they would like to use that as a test run to learn some best practices before they construct a new second generation microgrid. This will improve the project overall and they are looking to be able to provide year around power versus seasonal power to these wastewater treatment facilities. The first change is they are changing their project partner from the University of Iowa to Iowa State University. The second piece of the modification request is to simplify their budget categories—combining all of the equipment items into one equipment line item. They would also like to move some of the budget around to increase the electrical contractor line item to \$20,000 from \$15,000, decrease \$10,000 of the remote monitoring budget line item, and increase another \$5,000 to the installation for salaries and wages for the project. The total amount requested doesn't change—it's still at \$122,500. IEDA staff considers the requested changes to the scope of work to be substantial enough to require Board approval. Staff recommends approving the amendment to 21-IEC-003, updating the scope of work, budget and project partners.

Motion by Debi Durham
Motion I move to approve the amendment to 21-IEC-003
Second Rick Olesen
Roll Call Yes 8 No 0
Motion approved

Energy Infrastructure Revolving Loan Program (EIRLP) – EIRLP Update –

Brian Selinger gave the EIRLP update for Stephanie Weisenbach, who could not be at meeting. The first loan cycle for the new Energy Infrastructure Revolving Loan Program just closed out. We did not have any fully submitted applications, but we did have a couple that got started. They needed more time to work through their project plan so we envision that they will come back around this next cycle. The second round will have a deadline of January 20, 2022, with potential awards being considered at the February 17, 2022 Board meeting.

Stephanie Weisenbach has put so much effort to market and get this opportunity out there. Thanks to Rick Olesen for getting Stephanie Weisenbach invited into the Iowa Association of Electric Cooperatives managers meeting, so Stephanie was able to present to the REC's, given that they are an eligible loan recipient. She's talking with Iowa Association of Municipal Utilities and Troy DeJoode's team in getting to their conference in the future, since they are eligible. Thank you to Dan Nickey for giving Ms. Weisenbach the opportunity to present on November 30th at an upcoming webinar to many large businesses. It's a webinar the University of Northern Iowa is doing in conjunction with the Iowa Department of Natural Resources, Pollution Prevention Program and the Environmental Protection Agency. Ms. Weisenbach has talked with a Farm Bureau group, and we've connected with ABI. Stephanie Weisenbach is willing to connect with any group if Board members know of any. We also have a program fact sheet that IEDA's Communications team helped us on. We will see some projects coming our way in the very near future.

Decorah Solar + Battery Storage Project – Sarah Martz & Derek Wagner – Alliant Energy – Attachment D

Brian Selinger stated this is a project that IEDA is so proud of and so glad we could be supportive in providing grant funds to this. We've been in collaboration with Sarah Martz and Derek Wagner and team for quite some time. Brian Selinger introduced Sarah Martz, Manager of Distribution Engineering for Interstate Power & Light, our Iowa branch under Alliant Energy, and Derek Wagner, Manager of Restoration Power Quality for Interstate Power & Light and he also covers the Wisconsin side. Sarah Martz and Derek Wagner made a presentation on their Decorah Solar + Battery Storage project.

Other Business

Dan Nickey turned it over to Brian Selinger to give an Energy Office update.

Energy Office Updates

Brian Selinger stated this was Rick Olesen's final meeting with us, as in February Rick will be retiring. Brian Selinger gave a sincere thank you to Rick Olesen for his time of serving on the Iowa Energy Center Board and the Grant Committee and his insights to re-purposing the Loan Committee. We wish him and his family nothing but the best. Debi Durham added that Rick has been with us from the beginning of this transition and his leadership has been so valuable to us and she is truly going to miss him. Rick Olesen thanked Brian and Debi for their kind words, and he stated that Debi and Brian run a great show at the IEDA and the Iowa Energy Center Office. Mr. Olesen stated he hopes with this new infrastructure bill that the Iowa Energy Center is maintained, the IEC Board is maintained, and we can access and leverage some of those federal funds to serve and support the Iowa Energy Plan and that IEC will be able to administer some of those funds. I hope that's in the works and that we can have continued activities in support of Iowa's member owners and rate payers.

Brian Selinger stated he's been in conversations with Rick Olesen's colleagues, the Iowa Association of Electric Cooperatives, in working on identifying Rick's replacement. They will work through the Governor's Boards and Commissions process so hopefully we will have Rick's replacement soon and possibly by the February Board meeting. The other Board vacancy is the other investor-owned

seat that Tim Whipple formerly held Brian Selinger is working with Chaz Allen of the Iowa Utility Association, to identify someone for that seat We should have a full complement of Board members soon, but Brian Selinger will keep the Board posted

Brian Selinger stated staff is working on the Iowa Energy Center's Annual Report which is due January 15, 2022 This report will be provided to the IEC Board once it is done

Brian Selinger stated we listed the 2022 IEC Board meetings for you so you can get them on your calendars

2022 IEC Board Meetings	February 17, 2022, May 12, 2022, August 11, 2022, and November 17, 2022, all at 1 00 p m at IEDA, 1963 Bell Avenue, Suite 200, Des Moines or via Teams Webinar
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Vice Chairperson Nickey asked for a motion to adjourn

Motion by	Rick Olesen
Motion	I move to adjourn
Second	Valerie Newhouse
Voice Vote	All ayes

Adjournment	1 46 p m
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Respectfully Submitted,
Betty Hessing, Administrative Assistant

ATTACHMENT A

INFO

**REPORT
IOWA ENERGY CENTER BOARD
NOVEMBER 2021**

From: IEDA Accounting

Subject: IEC Financials FY22 as of 10-31-21

Please find the FY22 financial and obligation information for the IEC Main Account (grant program) and the previous and new loan programs.

Proposed Motion:	No Action Required
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Submitted By: Terry Roberson – IEDA Accounting

Attachments: Financial information thru October 31, 2021

IEDA							
Financial Report							
Iowa Energy Center							
Fiscal Year 2022							
October 31, 2021							
ENERGY INFRASTRUCTURE REVOLVING LOAN PROGRAM							
			Total			Total	
	Admin	Projects	Fund		Admin	Projects	Fund
<u>Revenue</u>							
Cash Balance Forward	350,000	13,650,000	14,000,000		0	0	0
FY21 IUB Transfer	0	0	0		0	0	0
Principal Repayments YTD	0	0	0		0	0	0
Interest Revenue	0	0	0		0	0	0
Other Revenue YTD	0	0	0		0	0	0
Deappropriations	0	0	0		0		0
Transfers	0	0	0		0	0	0
Total Revenue YTD	350,000	13,650,000	14,000,000		0	0	0
<u>Expenses</u>							
Administration YTD	(1,731)	0	(1,731)		0	0	0
Project Payouts YTD	0	0	0		0	0	0
Leg Auth Transfers (18 Acts Ch 1172 Sec 91)			0				0
Total Expense YTD	(1,731)	0	(1,731)		0	0	0
<u>Obligations</u>							
Obligations C/F	0	0	0		0	0	0
Current Year Obligations	0	0	0		0	0	0
Current Year Rescissions			0			0	0
Current Year Payouts	0	0	0		0	0	0
Balance of Current Year Admin	348,269	0	348,269		0	0	0
Net Obligations YTD	348,269	0	348,269		0	0	0
<u>Balance Available</u>	0	13,650,000	13,650,000		0	0	0

**Iowa Energy Center Grant Program
Obligation Log
FY2022**

[illegible]

**Iowa Energy Center Grant Program
Obligation Log
FY2021**

[illegible]

**Iowa Energy Center Grant Program
Obligation Log
FY2020**

[illegible]

Iowa Energy Center Loan Program
Obligation Log
FY2021

	Project Name	Amount Awarded	Amount Recaptured		Balance
Jul-20	Keaton Martin	72,359			72,359
	Sievers Family Farms	149,200			149,200
	Ryan Wangsness	38,888			38,888
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**Iowa Energy Center Loan Program
Obligation Log
FY2020**

[illegible]

ATTACHMENT B

ACTION

REPORT

IOWA ENERGY CENTER BOARD

NOVEMBER 2021

From: Energy Office

Subject: Iowa Energy Center Grant Program Policies and Procedures

Background: The Iowa Energy Center (IEC) Grant Program Policies and Procedures Handbook provides guidelines for the administration of the IEC Grant Program. As established by 261 *Iowa Administrative Code* 404.2, the Board must review the Grant Program Policies and Procedures Handbook annually.

The IEC Grant Committee members met in August to discuss potential changes to the Policies and Procedures Handbook for the fourth round of grant applications. Changes for the next round of applications include but are not limited to the following: updates to reporting requirements, updates to the disbursement procedures, and updates to the scoring matrix for both the pre-application and full application. These changes will strengthen the Grant Program and provide clearer guidance to applicants and grant recipients.

The document “IEC Grant Program Policies and Procedures Round Four Handbook” is attached.

Proposed Motion:	Approve the Changes to the Iowa Energy Center Grant Program Policies and Procedures Handbook
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Submitted By: Amber Buckingham

Attachments: IEC Grant Program Policies and Procedures Round Four Handbook

**Iowa Energy Center Policies and Procedures Handbook
Iowa Economic Development Authority
November 2021**

Fiscal Year Allocation: \$2.5 million

Award Announcement Date: August 2022

Program Manager: Amber Buckingham
iecgrants@iowaeda.com
515-348-6222

The Iowa Energy Center Grant Program's administrative rules can be found in Iowa Administrative Code section 261.404. You may also request a copy of the administrative rules by sending an email to iecgrants@iowaeda.com.

Overview

The Iowa Energy Center Grant Program provides grants to eligible applicants on a competitive basis. The program is funded by an assessment on the intrastate revenues of Iowa's gas and electric utilities.

The Iowa Economic Development Authority, in consultation with the Iowa Energy Center (IEC) Board, administers the IEC Grant Program. Administrative rules were adopted in early 2019 to the Iowa Administrative Code 261.404.

The IEC Board has a designated Grant Committee comprised of board members involved with review and recommendation of both pre-applications and applications. The IEC Board will make funding announcements at least once per fiscal year. Grants will be made by the Authority directly to Recipients, who will submit claims to the Authority on a reimbursement basis.

This guide provides the vision, policies, and administrative procedures for management of the Grant Program. This document will be reviewed and approved by the IEC Board at least once per year. *This guide does not replace administrative rules regarding the Grant Program. If a conflict between the two exists, the administrative rules will prevail.*

Purpose

The IEC Competitive Grant Program is funded by Iowa utility ratepayers. Funds will be used for projects that aid in the implementation of the seven key focus areas of the Iowa Energy Plan and provide a benefit to the Iowa ratepayers. For the purposes of this program, a ratepayer is defined as a customer who pays for an electric or natural gas utility service in the State of Iowa.

- The seven key focus areas of the Iowa Energy Plan are:
 - Energy workforce development
 - Technology-based Energy R & D

- Biomass conversion
- Natural gas expansion in underserved areas
- Support for rural and underserved areas
- Electric grid modernization
- Alternative fuel vehicles.

Eligible Applicants

Iowa Businesses, colleges and universities, and private nonprofit agencies and foundations are eligible to apply for IEC grant funds.

- Any eligible applicant may submit an application that includes one or more Sub-recipients.
- An eligible applicant may apply individually or jointly with another eligible or other eligible applicants.
- A principal investigator will be allowed to submit one application per funding announcement. An applicant who has applied as the principal investigator for a funding announcement may also be named as a co-investigator on additional applications submitted but may not be named as a principal investigator on additional applications
- An applicant may apply jointly with ineligible applicants, but the applicant cannot act solely as a passthrough to the ineligible entity.
- A business will be considered an Iowa Business if the business is incorporated in the State of Iowa or authorized to do business in the State of Iowa.
 - A business that is authorized to do business in the State of Iowa must provide a certificate of authority during the full application phase
 - Applicant must have an office physically located in Iowa.

Project Partners

- Applications with project partners are preferred by the review committee.
- **If project partners are named in the pre-application or full application, a letter of support must be provided.**

Eligibility Requirements

Requirements for IEC grant awards include but are not limited to the following:

- Applicants shall demonstrate a benefit for ratepayers
- Applicants shall demonstrate that they are eligible candidates.
- Applicants shall demonstrate the capacity for grants administration.
- Applicants who have previously received IEC awards shall have demonstrated acceptable past performance, including the timely expenditure of funds.
- Applications shall demonstrate the feasibility of completing the proposed activities with the funds requested.
- Applications shall identify and describe any other sources of funding for the proposed activities

Ineligible Projects

The following projects are ineligible for funding:

- Relocation of a business
- Expansion of a business

- Funding for existing training programs
- Private asset development
 - Examples of private asset development include:
 - Installation of solar array on a building only to benefit the owners/occupants of that building.
 - Installation of equipment to benefit only one community or neighborhood with no opportunity for replicability outside of the applicant organization (i.e., community solar array, or community LED light installation).
 - Research and Development used to primarily enable the manufacturing of a product solely for the profit of the applicant.
- Pipeline, transmission line, and distribution line construction
- First generation ethanol
- Cellulosic ethanol

Eligible Expenses

Only expenditures directly related to the implementation of the funded grant activity will be reimbursed. Examples of eligible expenses include, but are not limited to:

- Salaries/Wages
- Supplies and Materials
- Domestic Travel (cannot exceed
- Tuition
- Equipment purchases, which must be approved by the board at the time the award is made.
- Vehicle purchases, which are eligible only when the purchase of the vehicle is an integral part of the funded grant activity and must be approved by the board at the time the award is made.

Ineligible Expenses

Ineligible expenses include, but are not limited to:

- Purchase or rental of buildings
- Office equipment
- Furniture and fixtures
- Intangible assets
- International travel
- Insurance
- Phone expenses

Other Budgetary Requirements

Other budget requirements include the following:

- Indirect costs shall not exceed more than 20 percent of the IEC award request.
- IEC grant funds shall not be used as cost share to a federal grant award.
- Vehicle purchases or other vehicle-related expenses are not eligible if the purchase or expense supports the proposed grant activity but is not an integral part of the proposed grant activity. If a vehicle purchase is an integral part of a grant activity but a Recipient fails to obtain board approval prior to the purchase, then the vehicle purchase is ineligible.

- The final application award request cannot increase more than 5% from the award request identified in the pre-application, unless a more substantial deviation is requested by the grant committee during the pre-application review.

Cost Share

- Cost share is required to apply for Iowa Energy Grant Funds
 - Minimum cost-share 5%
 - In-kind donations can be used as cost share.
 - Cost share for Iowa based business applicants must include a monetary cost share contribution if supplies/materials or equipment are included in the budget (10% of these line items)
 - Example: Applicant includes the purchase/installation of batteries in their project budget under the equipment line item, at a cost of \$20,000. The total Iowa Energy Center award request is \$200,000. The applicant would be required to provide a total of \$10,000 in cost-share (5% of \$200,000), of which, \$2,000 must be a monetary cost share contribution (10% of the \$20,000 equipment line item).
 - If cost share requirements are not met, the pre-application will be disqualified.
- Applicants do have the opportunity to obtain extra points if they provide or secure additional cost share.
- Unrecovered indirect costs cannot be used as cost share. However, matching indirect costs can be counted as cost share (not to exceed 20% of the total project budget).
- Cost share must be accounted for at the pre-application phase.
 - If an applicant obtains additional cost share after being selected for a full application, they must receive approval from the grant committee to include the additional cost share in the budget in the final application.
- Points awarded for cost share will be based on the total grant award request. (5.1%-20.1%)

Application Process

Pre-Applications and Applications will be available and accepted through IowaGrants.

- The IEC will review applications and make funding decisions after each funding announcement.
- Applications will only be accepted during the established application period, as identified at www.iowaeda.com
- Applicants planning to apply must create an IowaGrants account.
 - If the person completing the application already has an account through IowaGrants or a State of Iowa A&A account, this same account will be utilized.
 - If the person completing the application does not have an account, the applicant will need to allow a minimum of two weeks to register and activate their account.

Pre-Application Process

- IEDA will release an open call for grants on their website and via email to stakeholders
- Pre-application will be completed via IowaGrants
- Once the pre-application window has closed, all pre-applications received will be reviewed by the program manager for eligibility and completeness. Internal IEDA staff will then review the pre-applications and prepare recommendations for the committee. Internal IEDA staff included in the review may include.
 - Grant Program Manager
 - Other Energy Office Program Managers
 - Team Leader
 - Legal Counsel
 - Financial Manager
- The grant committee will then review the pre-applications and select which will move forward in the application process. The grant committee will evaluate and record the collective answers on a single review sheet with a numerical score and comments. The Grant Program manager, on behalf of the grant committee, will invite selected applicants to submit a full application.
 - This invitation will be sent to the point of contact as provided in the pre-application.

Pre-Application Review Criteria

Pre-Application Screening Criteria

- Applicant is an eligible candidate.
- Funding request meets eligible project and expense requirements
- Request is for no less than \$10,000 and no more than \$1,000,000
- Initial grant duration does not exceed three years
- Application is complete and submitted through IowaGrants
- Applicants must indicate if they have obtained cost share in the pre-application phase
- Principal Investigator/Applicant is not named as Principal Investigator/Applicant on any other applications. They can, however, be named as co-investigators or Sub-recipients on additional applications.
- Signature from the applicant organization's **legally responsible official** on the **application approval document**, which will be uploaded to IowaGrants by the applicant.
- Application approval document/certification has been signed and uploaded

Pre-application Review Sheet

Applicant must achieve a minimum score of 30 out of 37 to move on to the full application round.

Evaluation Criteria	Total Points
Does the proposal demonstrate how the project meets one of the seven key focus areas of the Iowa Energy Plan?	4

Does the proposal demonstrate how the project provides a benefit to Iowa ratepayers?	7
Does the proposal differentiate itself from previously funded Iowa Energy Center Projects?	5
Does the proposal clearly describe the project goals?	5
If the applicant has received previous IEC awards, did they demonstrate acceptable past performance?	2
Is the applicant collaborating with any other relevant partners?	5
Is the budget proposal complete and does it appear to appropriately support the grant activities as described?	3
Does the proposal describe a dissemination or post-grant activity plan?	3
Does the proposal demonstrate that the applicant has obtained cost share?	3

Full Application Process

- The grant committee will invite selected applicants to submit a full application, which will be completed via IowaGrants. The program manager will communicate the application submission deadlines and other application details to selected applicants via the email address provided during the pre-application process. The program manager will be responsible for all communications to selected applicants and will serve as the point of contact for applicants.
- Once the submission deadline has closed, the program manager will review the applications for eligibility and completeness.
- Internal IEDA staff will then review the applications and prepare recommendations for the committee. Internal IEDA staff included in the review may include.
 - Grant Program Manager
 - Other Energy Office Program Managers
 - Team Leader
 - Legal Counsel
 - Financial Manager

- An outside technical review panel may be utilized for application reviews when IEDA staff and/or grant committee members feel it is necessary. This may delay the published timeline.
- IEDA staff will prepare a recommendation for the grant committee. The grant committee will then review all of the applications and make a recommendation to the full board. The committee will score the applications together and provide one scoring sheet for each application.
- The Program Manager will summarize the applications and grant committee recommendations for the Board.
- The Board will then review all applications and the recommendations from the grant committee and vote on each application.
- Applicants selected to receive grant funds will be notified in writing within 15 days of the board's decision. Applicants not selected will receive a denial letter.

Review Criteria for Full Application

Full Application Screening Criteria

Includes all of the pre-application requirements, plus:

- Indirect cost request does not exceed 20% of the total award request
- For projects where a co-investigator or Sub-recipient is named, a minimum of 51% of grant funds must be directed to activities performed by the Recipient organization.
- Application identifies any other sources of funding for proposed activities
- Award request cannot increase more than 5% from the **award request** identified in the pre-application, unless a more substantial deviation is requested by the grant committee
- Applicants must account for all cost share in the pre-application phase unless permission is granted by the Grant Committee
- Certificate of Authority has been provided if necessary
- **If subrecipients or project partners are named in the application, a letter of support or commitment must be provided.**

Full Application Scoring Sheet

Applicants must achieve a minimum score of 150 out of 188 to be considered for funding

Criteria	Evaluation Criteria	Total Points
Focus Area and Ratepayer Benefit	Does the proposal explain the benefit it will provide to Iowa ratepayers?	5
	Does the benefit appear to be sound and reasonable?	15

	<p>Does the proposal meet at least one of the seven key focus areas?</p> <p>Key Focus Areas:</p> <p>Technology-based Energy Research and Development Natural Gas Expansion in Underserved Areas Support for Rural and Underserved Areas Energy Workforce Development Biomass Conversion Electric Grid Modernization Alternative Fuel Vehicles</p>	5
	<p>Does the fulfilment of the key focus area seem sound and reasonable?</p>	10
Programmatic Capabilities	<p>Does the proposal provide information regarding organizational experience, staff qualifications, and procedures and controls for ensuring that awarded grant funds will be used in a timely and efficient manner in order to successfully complete proposed activities?</p>	5
	<p>Has the applicant received previous Iowa Energy Center awards?</p> <p>If no, applicant will receive 5pts.</p> <p>If yes, did applicant expend grant funds in a timely manner and comply with reporting requirements? If yes, applicant will receive up to 5 pts based on past performance.</p>	5
Project Approach, Outcomes and Deliverables	<p>Does the proposal describe the applicant's project goals to be reached by project end?</p>	5
	<p>Are the project goals described in clear, easy to understand language?</p>	10

	Do the project goals appear reasonable?	10
	Does the proposal describe the timeline, project tasks and milestones of the project (in chronological order)?	5
	Do the project tasks appear reasonable? Are there an appropriate number of tasks relative to the length and cost of the project?	10
	Does the proposal define the qualitative and/or quantitative measures the applicant will use to document the achievement of the goals of the project? Do the measures appear to be reasonable?	8
	Does the proposal satisfy a need or a problem?	10
	Does the proposal demonstrate a new or novel approach to a need or a problem?	5
	Does the proposal differentiate itself from previously funded Iowa Energy Center Projects?	7
	Does the proposal define the staff roles and responsibilities in the scope of work?	3
Budget and Budget Narrative	Does the proposal demonstrate that the project is feasible within the resources requested?	10
	Is the budget narrative complete, reasonable, and sound?	10
Dissemination and Replication	Does the proposal provide a clear dissemination or post-grant plan that is relevant to the goals of the project? Is the dissemination plan appropriate for the post-grant period?	5
	Does proposal demonstrate that the benefits of the project can be replicated by outside entities post grant completion?	10

Cost Share	Does the proposal indicate that the project has received either cost share funding match or external funding? This score will be calculated based on the total project budget. 5 1% - 10% - 2 pts 10 1 - 15% - 5 pts 15.1 - 20% - 10 pts 20.1% + - 15pts	15
	Does the proposal indicate that the project has received external cost share from a project partner?	5
Collaboration	Does the proposal demonstrate they are collaborating with other relevant partner organizations?	10
	Does the proposal demonstrate they are collaborating with another relevant eligible applicant(s)?	5

Administration

Agreement

The Authority will notify successful applicants in writing of an approved request for funding. IEDA will, at the same time, issue an agreement, which will be between the Recipient and the Authority. The Recipient must return the agreement to the Authority within 45 days of the transmittal of the agreement from the Authority. Failure to return the agreement may be cause for the Board to terminate the award.

Amendments

Any substantive change to a funded IEC project, including time extensions, budget revisions, and alterations to proposed activities, will be considered an agreement amendment. The Recipient shall request an amendment in writing. No amendment will be valid until approved by the board, except the following (with written confirmation from the Authority):

- Staff may approve one no-cost extension provided that the extension does not cause the duration of the grant to exceed five years. Additional no-cost extensions will require board approval.
 - A typical no-cost extension will not exceed one year.
 - **The first no cost extension request must be submitted for one year.**
 - A no-cost extension request must be submitted at least 45 days prior to project end date as listed in the agreement or amendments.
- Staff may approve budget modifications that are not substantial. For purposes of this program, “substantial modification” means a budget modification of either \$10,000 or 10 percent of the total grant award, whichever is less.

- The creation of a new budget line item will be considered a substantial modification, regardless of the amount of the modification.

To request a contract amendment (including all rebudget requests and revisions), the Recipient shall initiate the amendment process in writing, through the correspondence section of IowaGrants. If the Recipient organization has a sponsored programs office, the amendment request must be approved by the appropriate legally responsible official. Once the amendment request is received, staff will review and determine if the request requires Board approval. If it does, staff will place the amendment request on the agenda for the next scheduled Board meeting. If staff determines the request can be approved without Board approval, staff shall initiate the amendment approval process.

Disbursement of Funds/Claims

- Disbursements will be made on a reimbursement basis. No advance disbursements will be allowed. Disbursement claims must be for an amount equal to or greater than \$500 per request, except for the final draw of funds. All claims must be made through lowagrants.gov and **must be submitted quarterly**. If no funds will be requested, the recipient will still file a monthly report. When submitting a claim, the following items will be required:
 - An invoice on the submitting organization's letterhead as well as:
 - A detailed description of the expenditures and their corresponding amounts
 - Product invoices and proof of payment for any equipment
 - Invoices and receipts for any supplies or materials purchased over \$500
 - Receipts for any domestic travel expenses over \$50.
 - Invoices and proof of payment for any subcontractor payments
 - Invoices and proof of payment for any co-investigator payments
 - The Authority may request additional documentation as needed.
 - A General Account Expenditures (GAX) Form with a Vendor Code
 - A status report for the claim period. Status reports must be received once a month. If no funds are requested, Recipients should still file a status report via IowaGrants.
- Final claim must be received within 120 days of project completion as defined in the project agreement.
 - The Authority will withhold 5% of award funds until the final report is received and approved by the program manager.
- Any funds not claimed within 120 days of project completion will be considered deobligated.
- **If claims are not submitted quarterly, the project will be considered out of compliance.**

Status Report Requirements

Recipient Reports

Monthly Status Reports

- In the final application, the applicant shall provide a timeline and the goals and objectives by which to measure the success of the project. The timeline should provide the start date (by month) and end date (by month) of each goal/objective. The Recipients' success will be measured based on the progress towards the completion of each goal or objective as outlined in the final application timeline.
- By the 15th day of each month, the Recipient must provide an update on the percentage towards completion of each goal or objective and a narrative of the activities that have taken place in

support of the goal or objective. This should be in table format and include information for each individual goal or objective, as well as a narrative for each goal or objective.

Reporting Table Format:

Project Task	Deliverable	Verification Model	Target Completion Date	Percentage Complete	Brief Narrative Describing Monthly Grant Activities

- Recipients shall also provide a narrative description of any deviations from the proposed timeline, tasks, and objectives during the reporting period. If the reported deviations will have an impact on the remainder of the project or the dissemination plan, the Recipient also notify the program manager via email.
- **If the monthly report has not been received by the 30th day of the month, the grant will be considered out of compliance.**

Final Report

- The final report will be submitted via IowaGrants within 120 days of the project completion date
- The Authority will withhold 5% of award funds until the final report is received and approved by the program manager.
- The final report shall contain the following information:
 - Executive summary
 - Timeline of the completion of each goal or objective
 - Narrative description of grant activities undertaken to support the project
 - Narrative description of the achievements of the project
 - The benefit the end product provides or will provide to Iowa ratepayers.
 - Budget narrative, detailing how funds were spent in support of the project
 - Narrative description of any deviation from the original budget, timeline, or any grant activities
 - Dissemination plan/post grant activities timeline. Please include any deviations to originally proposed dissemination plan.
 - Examples may include, but are not limited to:
 - Conference presentations
 - Speaking engagements
 - Publishing white papers

Staff Reports

Annual Reports

- Annual reports will be comprised of the prior 12 months of monthly status reports. Recipients will not need to submit additional reports unless documented in the tasks/objectives section of their application.

Monitoring

IEDA will use the following process to monitor the IEC grant activities.

Desktop monitoring

- IEDA will review the claims and status reports in IowaGrants.
- IEDA will review the progress of the project through monthly status reports uploaded to IowaGrants by the Recipient
- IEDA will review timely expenditure of funds by the Recipient through monthly claims via IowaGrants.
- IEDA will identify performance and expenditure issues and will contact the Recipient to address any concerns over either
- If the program manager feels that milestones are not being met, the program manager will contact the Recipient and attempt to obtain a written explanation
- IEDA will notify the grant committee and/or IEC board of any ongoing performance and/or reporting issues

Onsite Monitoring

- IEDA staff will routinely complete one site visit per year. Staff retains the right to increase the number of site visits if necessary.
- The IEDA project manager will notify the Recipient at least three days in advance of a site visit.
- IEDA staff will complete monitoring visit information in IowaGrants.
- If any additional information is requested during the site visit, the Recipient will upload that information into IowaGrants.

Closeout Procedures

- Final report will be submitted by grant Recipient within 120 days of project completion via IowaGrants.
- Final payment will be made after the program manager has determined milestones have been met and project goals have been completed.
- IEDA will provide a final closeout document stating that contracted funds have been spent in accordance with the agreement and the agreed upon deliverables have been achieved.
- If a balance remains after the final claim has been received and payment has been made, the unused funds shall be deobligated.

Noncompliance

At any time during the project, the IEC may, for cause, find that a Recipient is not in compliance with the requirements of the program. At the board's discretion, remedies may include penalties up to and including the return of grant funds to the IEC. Noncompliance may include, but are not limited to the following:

Iowa Energy Center Grant Program Policies and Procedures – November 2021

- Use of IEC funds for activities not described in the application.
- Failure to complete approved activities in a timely manner.
- Failure to comply with any applicable state or federal rules, regulations, or laws.
- Lack of a continuing capacity of the Recipient to carry out the approved project in a timely manner.

REPORT
IOWA ENERGY CENTER BOARD
NOVEMBER 2021

ATTACHMENT C

ACTION

From: Iowa Energy Center

Subject: Amendment to 21-IEC-003

Background: Baldrige Environmental Services, LLC has requested a modification to the scope of work, project partners and budget for project 21-IEC-003 *Mobile Power for Rural Wastewater Treatment and Community Resilience*

The revised scope of work looks to incorporate the current ISU microgrid at a rural community's wastewater site where BES plans to have a working wastewater operation. With the use of this first generation microgrid, BES and ISU will collaborate to design and build a second generation microgrid that will be more efficient, as well as more capable. This second generation microgrid will be replicated at future sites. This also changes part of the grant objective in building a mobile power trailer. To effectively capture the solar levels needed, a mobile, yet more permanent structure may be needed. This new structure looks to be built off a module shipping container vs trailer.

In the effort to simplify the budget, BES would like to combine equipment expense lines on the Budget Detail page. The total requested equipment amount will remain the same at \$57,500. This new equipment line will simply be titled "Solar Equipment".

With the change in Project Partners, there will be a change in the Professional Services as originally planned as well. SunCrate Energy will be the Electrical Contractor. With that, the following budget changes need to be made:

Professional Services:

Electrical Contractor - Increase \$5,000 to a total of \$20,000

Remote Monitoring - Decrease \$10,000 to a total of \$15,000

Salaries and Wages:

Installation and Support - Increase \$5,000 to a total of \$30,000

Please note, with these changes the total requested amount is unchanged at \$122,500.

Administrative Rule 261 IAC 404.7(7)(a) provides that any substantive change to a funded IEC project, including time extensions, budget revisions, and alterations to proposed activities, will be considered an agreement amendment. IEDA Staff considers the requested changes to the scope of work to be substantial enough to require Board approval.

Recommendation: Staff recommends approving the amendment to 21-IEC-003; updating the scope of work, budget, and project partners.

**Proposed
Motion:**

Approve the Amendment to 21-IEC-003

Submitted By: Amber Buckingham, Program Manager

Attachments: Grant Modification Request from Baldrige Environmental Services



1615 E Washington St, Ste. 1
Mt. Pleasant, IA 52641
www.beswatersolutions.com

To the Iowa Energy Center Board:

11/8/21

Baldrige Environmental Services (BES) is requesting a change of scope for **Grant/Project: 21-IEC-003 - Mobile Power for Rural Wastewater Treatment and Community Resilience - 2021**. The reason for this change of scope is to bring a new project partner to the grant and use their working knowledge and experience to strengthen the grant's ultimate goal of increasing resilience in rural communities and underserved areas.

Project Partner Change:

BES looks to incorporate Iowa State University and Anne Kimber, the director of the Electric Power Research Center at Iowa State University, to become integral project partners in the grant. Anne and her ISU team have a working microgrid that was built through an existing IEDA grant. This microgrid has the ability to be moved to a rural wastewater setting, and would allow a working proof of concept to be tested, that a renewable energy source could power small footprint wastewater operations.

Scope of Work:

With the advancement of the relationship between BES and ISU, a new Scope of Work became available. BES would like to take advantage of the skills and experience that the ISU team has built, and use those resources to build a more advanced and capable microgrid. The revised scope of work looks to incorporate the current ISU microgrid at a rural communities wastewater site that BES will have a working wastewater operation. The objective will be to power the BES system fully through this first microgrid, thus allowing documented reduced power consumption from a main electrical grid. It should be noted that back up power will be supplied through a dedicated feed off the electrical grid.

With the use of this first generation microgrid, BES and ISU will collaborate to design a second generation microgrid that will be more efficient, as well as more capable. This second generation microgrid will be built by BES and will look to be replicated at future sites, as well as possible use by the Iowa Army National Guard. This also changes part of the grant objective in building a mobile power trailer. To effectively capture the solar levels needed, a mobile, yet more permanent structure may be needed. This new structure looks to be built off a module shipping container vs trailer. Our goal in building this new unit is to more fully understand the amount of solar paneling needed to power a working site, as well as make a dependable system for all 12 months of the year. With a trailer unit, it would be difficult to supply the total power needed.

With this update, a change in the deliverables will happen as well. Instead of building the solar trailer, the second microgrid container will be built. It will be verified by Anne Kimber, and her ISU team. This microgrid will be built by BES and Dolf Ivener, but will have help and direction from ISU due to their experience and expertise.



1615 E Washington St, Ste. 1
Mt. Pleasant, IA 52641
www.beswatersolutions.com

Budget Changes:

In the effort to simplify the scope of work, BES would like to combine equipment expense lines on the Budget Detail page. This will allow for the proper change in scope, while keeping the total requested equipment amount to remain the same at \$57,500. This new equipment line will simply be titled "Solar Equipment".

With the change in Project Partners, there will be a change in the Professional Services as originally planned as well. Dolf Ivener with Suncrate Energy will be the Electrical Contractor. With that, the following budget changes need made:

Professional Services:

Electrical Contractor - Increase \$5,000 to a total of \$20,000

Remote Monitoring - Decrease \$10,000 to a total of \$15,000

Salaries and Wages:

Installation and Support - Increase \$5,000 to a total of \$30,000

With these changes the total requested amount is unchanged at \$122,500 for the grant totality.

It is also important to note that Iowa State University will not be receiving any funding or reimbursement through this grant.

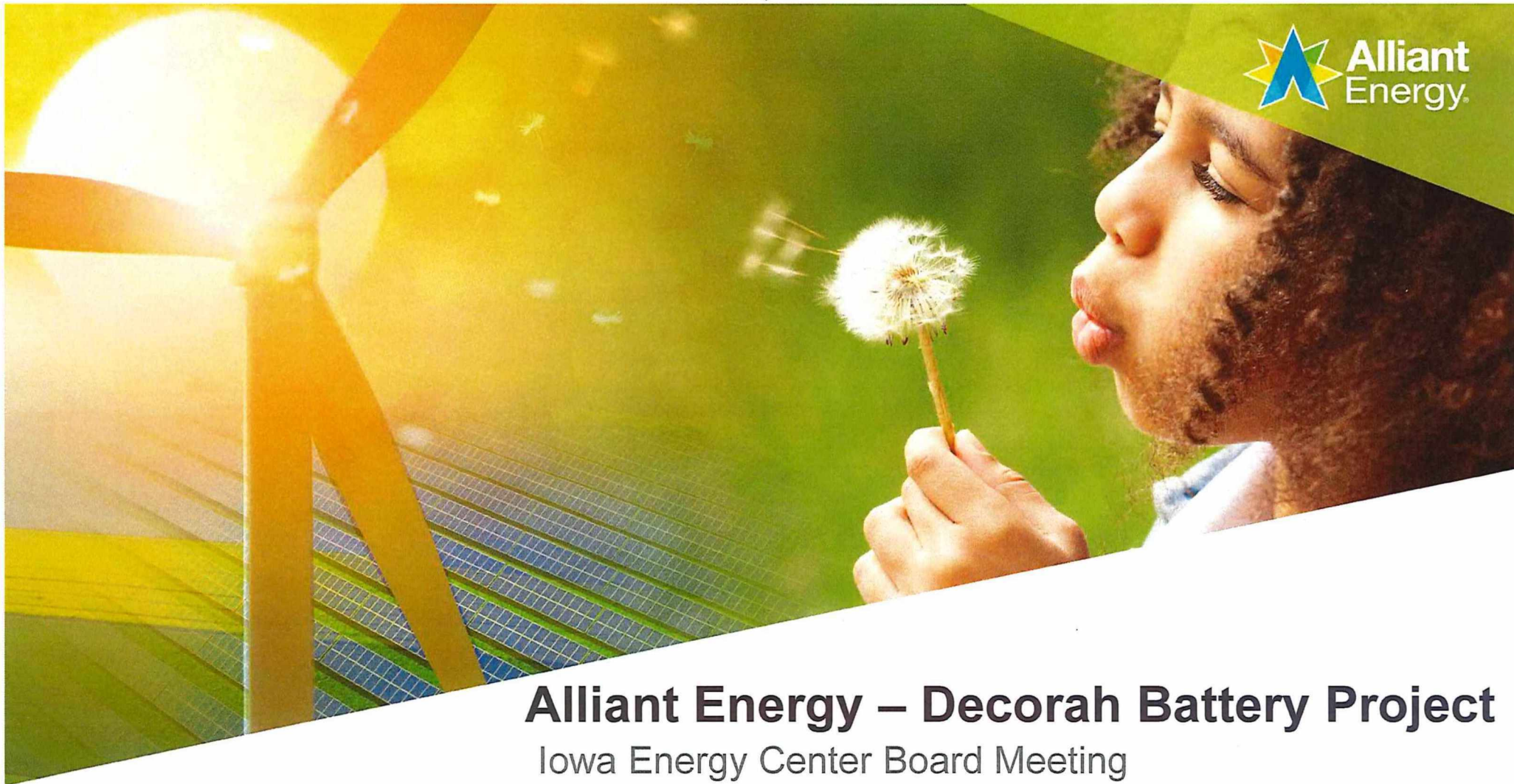
Through these updates, BES recognizes a much stronger partnership and opportunity exists. IEDA has already devoted time and resources to getting a microgrid established through ISU. Through this collaboration, updates and changes can be made that will provide a more robust and capable system to work to meet growing rural needs. Through this study, rural ratepayers will be afforded opportunities to see a renewable energy system be resilient, as well as attainable and impactful to their community.

Sincerely,

A handwritten signature in blue ink, appearing to read "Randy Seberg".

Randy Seberg
Managing Director
Baldridge Environmental Services, LLC

ATTACHMENT D



Alliant Energy – Decorah Battery Project

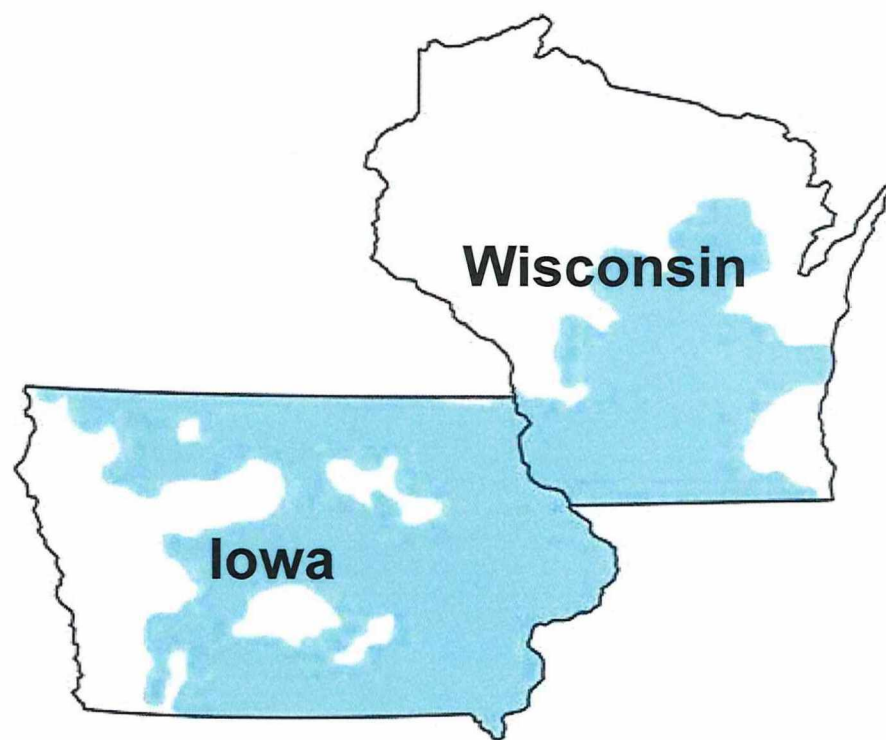
Iowa Energy Center Board Meeting

Presented by: Sarah Martz, Derek Wagner

Alliant Energy

Serve customers and build stronger communities

- Serves nearly 700 Iowa communities with natural gas and/or electricity
- Iowa service territory covers 83 of 99 counties
- Named a Top Utility in Economic Development by Site Selector Magazine last three years
- Iowa wind expansion – nearly 1,900 megawatts
- Building largest solar and battery facility in Iowa
 - 200 megawatts of solar and 75 megawatts of battery storage



975,000 Electric customers
420,000 Natural gas customers

Clean Energy Blueprint

- Our Clean Energy Blueprint is guided by our purpose-driven strategy to serve our customers and build stronger communities.
- When newly announced solar project is operational by the end of 2024, Alliant Energy will be the largest combined solar and battery storage operator in Iowa.
- Aspiring for net-zero carbon emissions by 2050 for our electric generation
- Eliminate coal from generation fleet by 2040



Decorah battery project



Partnerships & Support

Unique mix of partnerships has helped the project to be successful

Iowa Economic Development

- \$200,000 in support toward battery system equipment
- Support of collaboration and data sharing with ISU
- Connection to DOE

ISU - EPRC

- Purchase of specialized monitoring equipment
- Transfer of data directly to ISU

Dept of Energy/Sandia Nat'l Lab

- \$250,000 in support
- Technical Assistance

EPRI

- Design-phase modeling of best size and location of battery equipment

A photograph of a worker in a white shirt, dark pants, and a cap, kneeling on a roof and installing solar panels. The roof is covered with rows of blue solar panels. In the background, there are green trees and a blue sky with some clouds. The title 'Hosting Capacity and DG' is overlaid in large, bold, black text.

Hosting Capacity and DG

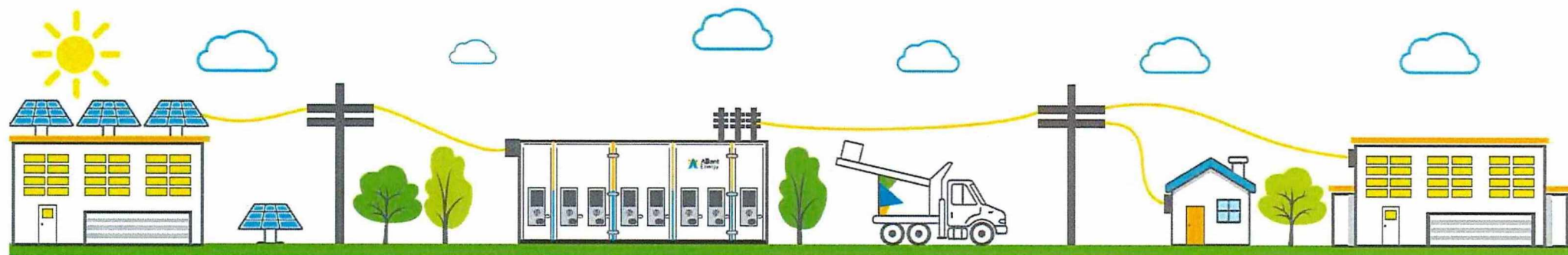
- Process for a customer installing DG begins with an “Interconnect Application”
- Our staff look at the proposed DG system and the circuit it feeds to determine if any upgrades are needed to maintain quality and safety on the circuit
- If upgrades are needed, the customer is presented with options on how to get their DG approved (options can include limiting size of DG, or paying for upgrades)

Pilot Purpose

- Increase hosting capacity with circuit-level energy storage
- Integrate storage operation w/ solar & wind DER generation profiles
- Increase technical & operational knowledge on energy storage deployment

“Distribution Deferral” Use Case:

Avoidance of a 25KV rebuild/conversion at cost of up to \$10M



Decorah Details

- 2.5 MW, 2.9 MWH system

Power (flow rate)

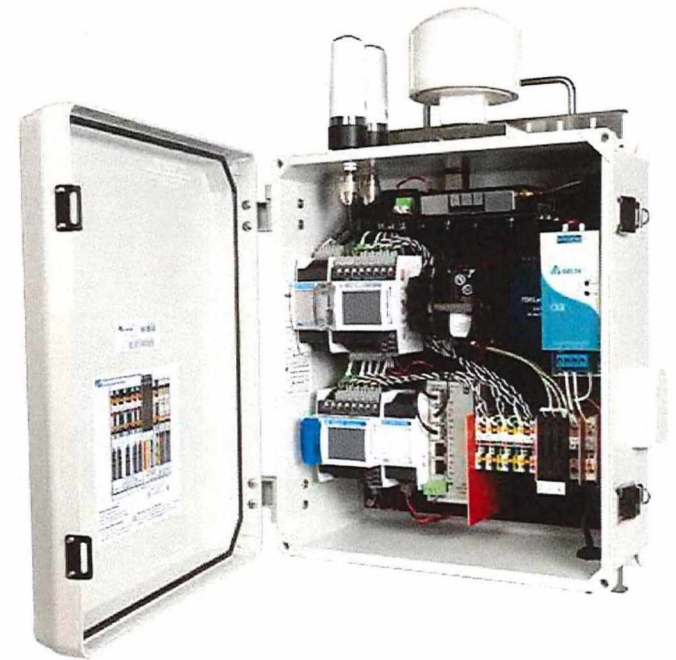
Energy (size of tank)

- Larger power rating → more flexibility
 - Voltage managed with reactive power (Vars)
 - Power Flows managed with real power (Watts)



ISU – EPRC Collaboration

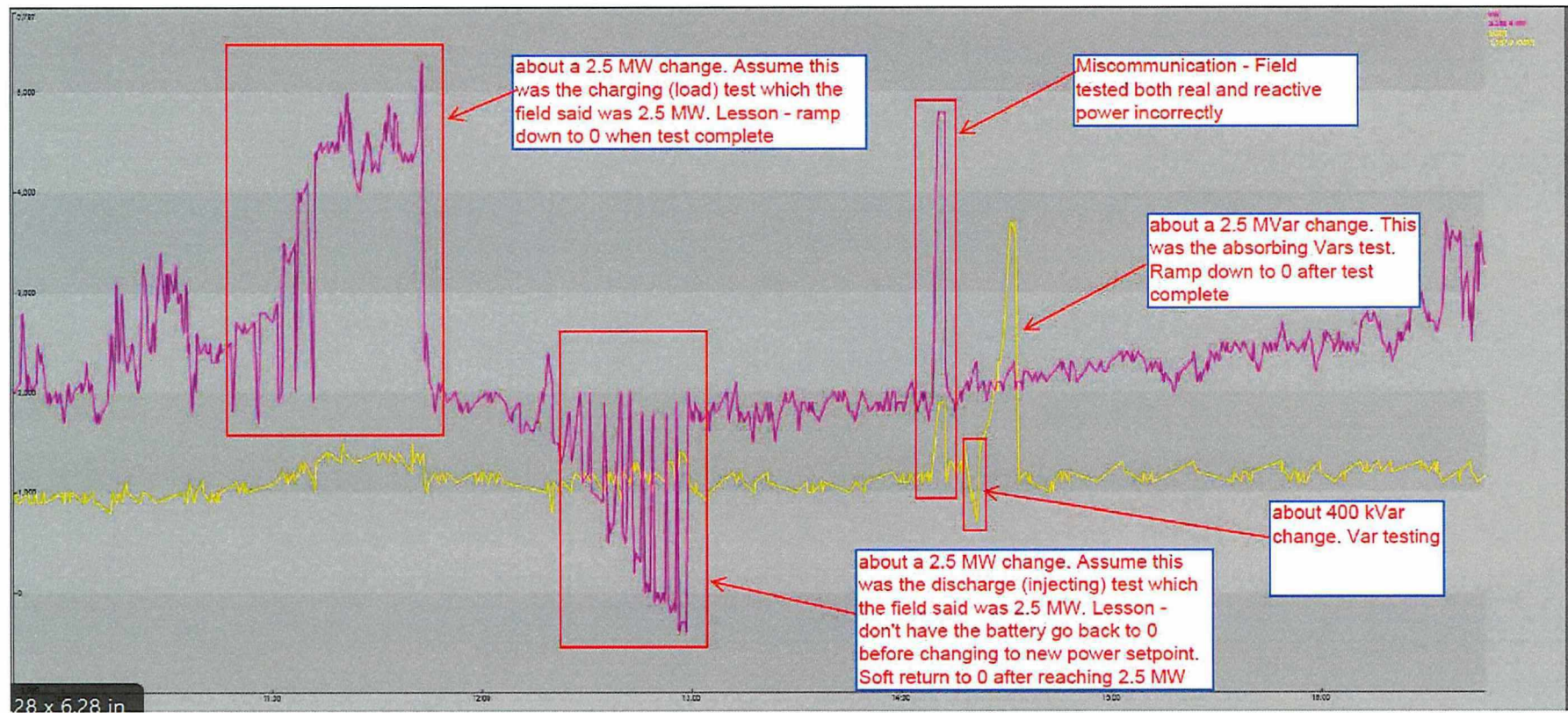
- Collaboration with Electric Power Research Consortium (EPRC) at ISU to install MicroPMUs and share data
- Installation of high-accuracy, high-frequency measurement devices to aid in power quality research



In-Service Progress



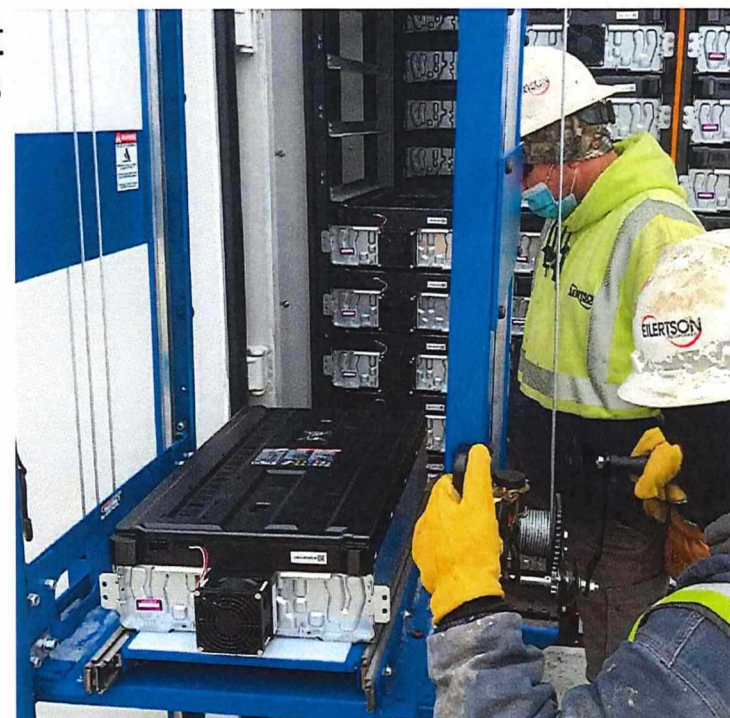
Commissioning Data – June 18th



Fire Protection and Training

Lithium-Ion batteries present fire safety risks that must be understood by operations staff and first responders (Stationary Batteries & EV Batteries are Lithium Ion today)

- Decorah project added additional fire protection measures & monitoring
- Included outside training for Decorah Fire Dept.*
- Develop consistent emergency response plans for stationary batteries across territory
- ***Worked with Sandia National Laboratories to train first responders – this will be a state-wide need as EVs and stationary storage increases**



Integrating with existing systems

Today, this pilot battery is not critical to operations/reliability

Integrator is O&M contract holder

Pilot will also explore:

Integration into our operations –
dispatch of staff according to operation,
alarms, etc.

Ensuring battery equipment is
sufficiently reliable & available when
needed – redundant systems,
preventative maintenance, etc.

###-###				Decorah Battery Alarms			
DG DEBT CB H0527-S CRITICAL		NORMAL		DG DEBT BESS Smoke		NORMAL	
DG DEBT H0527-S HLT NON CRITICAL		NORMAL		DG DEBT BESS Temp		NORMAL	
DG DEBT CB H0527-S 13.8 RLY CRIT		NORMAL		DG DEBT BESS Fire		NORMAL	
DG DEBT CB H0527-S 13.8 RLY COMM		NORMAL		DG DEBT BESS Li-Ion Tamer		NORMAL	
DG DEBT DTT BATT CRITICAL	#	NORMAL		DG DEBT SCADA TEMP ALM CRITICAL		NORMAL	
DG DEBT DTT BATT NON CRITICAL	#	NORMAL		DG DEBT BATT TEMP ALARM CRITICAL		NORMAL	
DG DEBT DTT TRIP RECEIVED		NORMAL		DG DEBT LOSS AC HVAC NO CRITICAL		NORMAL	
DG DEBT DTT DISABLE	#	NORMAL		DG DEBT GROUND FAULT CRITICAL		NORMAL	
DG DEBT DTT RELAY CRITICAL	#	NORMAL		DG DEBT STATION BATT NON CRIT		NORMAL	
DG DEBT DTT CHARGR NON CRITICAL	#	NORMAL		DG DEBT RTU BATT CHARGR CRITICAL		NORMAL	
DG DEBT DTT CELL MODEM 1 FAIL	#	NORMAL		DG DEBT RTU BATT NON CRITICAL		NORMAL	
DG DEBT DTT CELL MODEM 2 FAIL	#	NORMAL		DG DEBT GPS CLK FAIL NON CRIT		NORMAL	
DG DEBT DTT CELL MODEM1 COM LOSS	#	NORMAL		DG DEBT RTU CRITICAL ORION ALARM		NORMAL	
DG DEBT DTT CELL MODEM2 COM LOSS	#	NORMAL		DG DEBT METER FAIL CRITICAL		NORMAL	
		MWHR		DG DEBT METER COMM FAIL		NORMAL	
DG DEBT CB H0527-S MWHO	#	0.0		DG DEBT SUNGROW COMM CRITICAL		NORMAL	
DG DEBT CB H0527-S MWHI	#	0.0		DG DEBT 7SC80 COMM FAIL CRITICAL		N	ALARM
				DG DEBT RTU DPAC FAIL (CRITICAL)			NORMAL

