

LINN COUNTY RENEWABLE ENERGY REVIEW COMMITTEE

January 26, 2023

Battery Energy Storage System
Meeting Summary



Kickoff Meeting

- All four committees (Good Neighbor Practices, Battery Energy Storage, Balancing Agriculture and Solar, and Lifecycle Costs) met as one group for a “kickoff meeting”.
- Staff liaisons were introduced. Each committee has been assigned one staff liaison to assist with research and logistics.
- Staff introduced the Linn County Core Values, explaining that committee members are expected to adhere to them throughout the process.
- The purpose of the committees was discussed with participants. Staff shared examples of committee “products” (statements).
- Staff outlines the process and schedule and set a hard deadline of April 30th for completion of committee work.
- Following the kickoff meeting, each committee broke off on their own.
- The PowerPoint slides used by staff for the kickoff meeting are included in Appendix A at the end of this document.

Kickoff Meeting

- All committee members discussed document sharing options, and it was decided that a Google Drive containing folders for each committee would be utilized. Committee members will be able to view information used by other committees.
- A discussion was had on what “consensus” means, as committees must produce statements via group consensus. It was decided that committees will endeavor to arrive at a statement all five members can agree on. In the event a committee is experiencing gridlock and is not able to come to full agreement, consensus can be formed with three members instead of five.
- A question was asked on the meeting summaries (publicly available documents which will be posted on the Linn County webpage) and whether committee members will be able to review the summaries before they are made publicly available. Staff confirmed that committee members would have the chance to review and comment on summaries, and that summaries for the previous meeting must be approved by the committee at their next meeting before they are posted on the Renewable Energy Review Committees webpage.

Battery Energy Storage Systems Committee

- Following the kickoff meeting with all committees, the Battery Energy Storage Systems (BESS) committee met on their own in the Informal Board Room in the lower level of the Jean Oxley Center.
- The BESS Committee members are:

Battery Energy Storage Systems Committee	
Sara Alden (Linn County Resident, Vice-Chair on the Board of Adjustment)	Curt Eilers (former Planning and Zoning Commissioner)
Bruce Lindholm (Registered Professional Engineer (Ohio), Chair of the Cedar Rapids IEEE Power & Energy Chapter)	Junior Luensman (Licensed Electrician, Business Manager for IBEW Local 405)
Steve Myres (former DAEC system engineer for substation and battery systems)	Stephanie Lientz (Linn County staff liaison)

Battery Energy Storage Systems Priorities

- After member and staff introductions, the Battery Energy Storage Systems (BESS) committee started off their first meeting by listing out all possible areas of focus/priorities for the group. The listed areas were as follows:
- Safety – public and first responders
 - Setbacks
 - Gas detection/monitoring - redundancy
 - Emergency management plan – include blast radius info.
- Environmental
- Standards

Battery Energy Storage Systems

Further discussion on safety issues took place among committee members. Committee members identified additional information they wanted to review for their next meeting as well as industry experts they would like to speak with in future meetings.

Additional Information Requested

- Linn Clean Energy District Intervenor Document Filed with the IUB for Duane Arnold Phase I & II Projects.
- Dekalb County BESS language
- Buffer maps showing $\frac{1}{4}$, $\frac{1}{2}$, and 1 mile surrounding the proposed Duane Arnold BESS

Industry Experts Identified

- Luke Maloney
- Cedar Rapids Fire Chief or Linn County EMA representative

Members agreed that information should be shared via Google Docs. Future meeting dates were set for February 8th and February 22nd

Battery Energy Storage Systems

Documents reviewed by committee members ahead of the 1/26/23 Battery Energy Storage Systems Committee meeting included:

1. [Linn County's current renewable energy overlay zoning ordinances.](#)
2. [The Coggon Solar project staff report.](#)
3. [The Duane Arnold Solar Phase I and Phase II projects staff report.](#)
4. [The Linn County Core Values statement.](#)
5. [The Linn County Comprehensive Plan.](#)
6. [The Linn Clean Energy District Solar Fact Find Taskforce Recommendations.](#)
7. [New York Battery Energy Storage System Guidebook](#)
8. [Siting and Safety Best Practices for Battery Energy Storage Systems](#)
9. [CESA Safety Resource Library](#) (Clearinghouse of BESS related safety resources, includes NY BESS Guidebook linked in #7 above)

Appendix A: Kickoff Meeting PowerPoint Slides

LINN COUNTY RENEWABLE ENERGY REVIEW COMMITTEES

January 26, 2023

Kickoff Meeting



Introductions

Good Neighbor Practices

Mike Carberry	Tina Dubois
Marc Franke	Kelly Merta
Eric VanKerckhove	Charlie Nichols (staff)

Balancing Agriculture and Solar

Diane Brecht	Greg Bickal
Steve Emerson	Gary Scott
Tom Wieseler	Mike Tertinger (staff)

Battery Energy Storage Systems

Sara Alden	Curt Eilers
Bruce Lindholm	Junior Luensman
Steve Myres	Stephanie Lientz (staff)

Lifecycle Costs

Griffin Kuntz	Randy Lucore
Carolyn Petersen	Jane Tompkins
Ellis Vann	Tamara Marcus (staff)

Linn County Core Values



COMMUNICATE

openly + effectively



RECOGNIZE

valued contributions



CREATE

a supportive + positive work environment



DEMONSTRATE

personal integrity + respect for others



BE ACCOUNTABLE

for your actions + decisions



Purpose of Committees

- Analyze and research whether Linn County ordinances related to renewable energy development are adequately meeting their intent.
- Committees will produce statements based on research and analysis of priority issues.
- Committees will NOT be developing ordinance amendments.
- Any ordinance amendments resulting from this process will apply to new renewable energy projects, not previously approved ones.

Good Neighbor Practices Example

- Good Neighbor Committee areas of focus: code related to reducing potential conflicts between dissimilar uses.
- Suggested specific areas of focus: setbacks, screening.

Example Statements

“We feel the 300’ setback from solar panels to occupied dwellings is sufficient to reasonably reduce conflicts between residential and utility-scale solar uses. We believe this because.....(explain the research and analysis that led the group to this conclusion).”

OR

“We feel the 300’ setback from solar panels to occupied dwellings is not sufficient to reasonably reduce conflicts between residential and utility-scale solar uses. We believe this because.....(explain the research and analysis that led the group to this conclusion).”

Battery Energy Storage Systems Example

- Battery Energy Storage Systems areas of focus: safety.
- Suggested specific areas of focus: setbacks, off gas detection.

Example Statements

“We feel the standard 50’ district setback is sufficient to reasonably mitigate safety risks to the public in the event of a fire or other incident at the battery energy storage system. We believe this because....(explain the research and analysis that led the group to this conclusion).”

OR

“We feel the standard 50’ district setback is not sufficient to reasonably mitigate safety risks to the public in the event of a fire or other incident at the battery energy storage system. We believe this because....(explain the research and analysis that led the group to this conclusion).”

Balancing Agriculture and Solar

Example

- Balancing Agriculture and Solar areas of focus: preservation of agricultural resources, long-term soil fertility .
- Suggested specific areas of focus: vegetation plan, seed mix, agricultural impact mitigation plan.

Example Statements

“We feel the proposed seed mix for each solar project will sufficiently improve long-term soil fertility on the project site. We believe this because.....(explain the research and analysis that led the group to this conclusion).”

OR

“We feel the proposed seed mix for each solar project will not sufficiently improve long-term soil fertility on the project site. We believe this because.....(explain the research and analysis that led the group to this conclusion).”

Lifecycle Costs Example

- Lifecycle Costs areas of focus: financial and environmental responsibility.
- Suggested specific areas of focus: decommissioning plan, operation and maintenance plan.

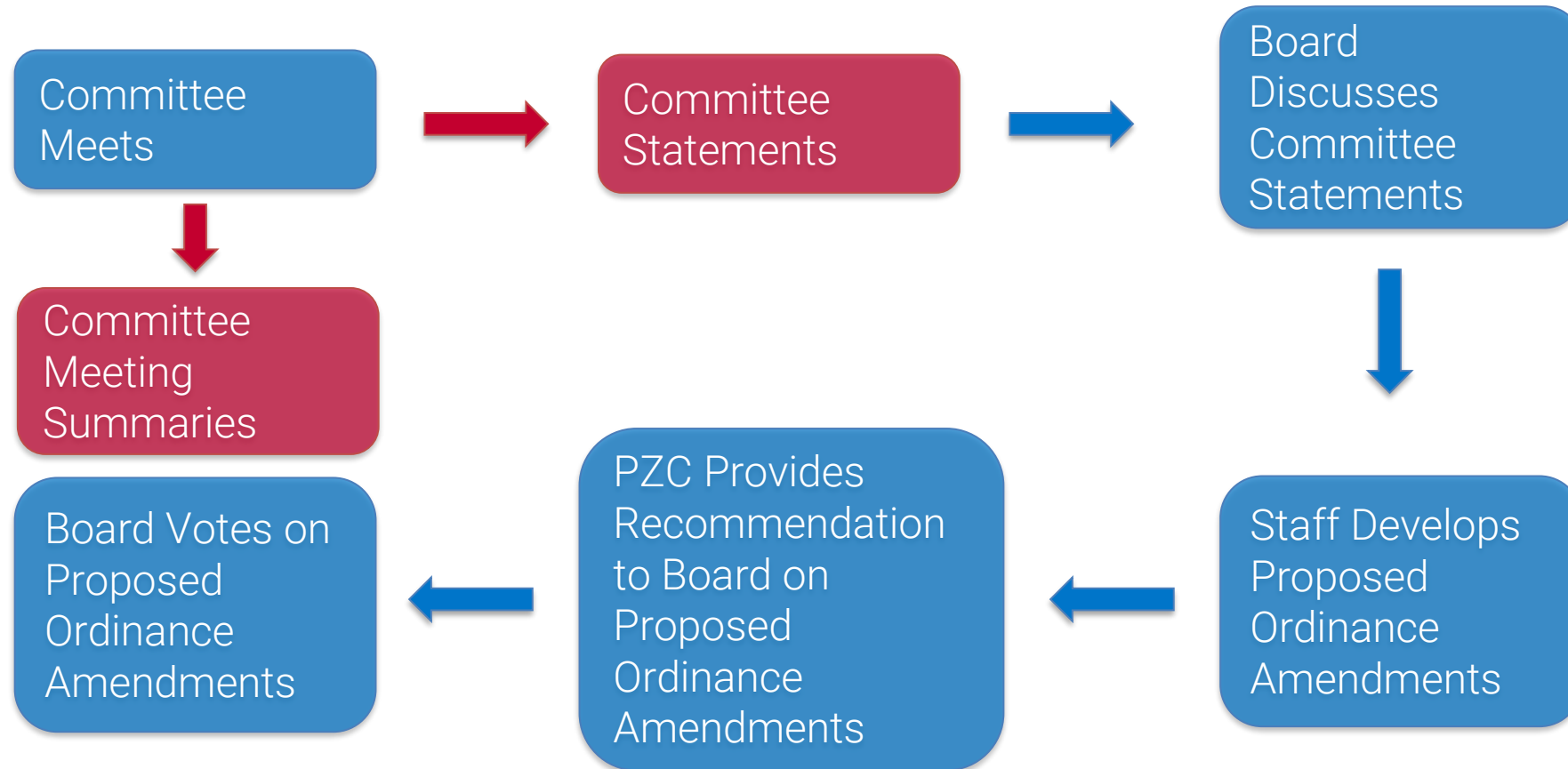
Example Statements

“We feel the cost calculations used in the project decommissioning plans are accurate and will fully cover all end-of-life costs for each project. We believe this because.....(explain the research and analysis that led the group to this conclusion).”

OR

“We feel the cost calculations used in the project decommissioning plans are not accurate and will not fully cover all end-of-life costs for each project. We believe this because.....(explain the research and analysis that led the group to this conclusion).”

Process



Timeline

Hard deadline: **April 30, 2023.**

Soft deadline: **March 31, 2023.**



Committee Meeting Procedures

- Note taker
- Meetings of each committee MUST have staff present
 - Target 2-3 additional meetings before 3/31
- Approve summary from previous meeting
- Discuss research/questions
- Meet with industry expert(s)
- Make statement(s)
 - Statements must be agreed on via group consensus. All committee members must be present to formalize a statement.
 - Committee members welcome to come to Board meeting where statements are presented.

Goals for Today

- Introductions
- Prioritize specific areas of focus
- Identify industry experts to meet with
- Identify information needed to produce statement
- Decide how to share information
- Set up next meeting