

New ERA Community Benefit Plan (CBP)

Applicant Name: East Kentucky Power Cooperative (EKPC)



New ERA Community Benefit Plan (CBP)

Applicant Name: East Kentucky Power Cooperative (EKPC)

Introduction

East Kentucky Power Cooperative is a not-for-profit generation and transmission (G&T) electric utility with headquarters in Winchester, Kentucky. Our cooperative has a vital mission: to safely generate and deliver reliable, competitive and sustainable energy to our 16 owner-member cooperatives serving more than one million Kentuckians.

Together, with our 16 owner-members, we're known as Kentucky's Touchstone Energy Cooperatives. The owner-member co-ops distribute energy to 1.1 million Kentuckians across 89 counties. We're leaders in environmental stewardship, and we're committed to providing power to improve the lives of people in Kentucky.

As a member-owned generation and transmission electric cooperative, concern for community is a core cooperative principle providing a foundation to our existence. We have long followed robust community outreach and partnership practices in the development of our projects, and many of our community members are well-acquainted with those activities and how we can work together to provide reliable, competitive and sustainable energy for our members.

We are also regulated by the Kentucky Public Service Commission (PSC) and meet the requirements of the National Environmental Policy Act (NEPA) as a borrower of federal dollars from the Rural Utilities Service (RUS) to develop projects. Project approvals through these agencies incorporate community comments and engagement efforts.

EKPC is excited to leverage many of those existing community engagement practices and relationships to support the development of its New ERA CBP, and we are looking forward to delivering long-lasting benefits to the communities we serve across Kentucky.

EKPC's New ERA project portfolio includes 49 projects that benefit its entire network of owner-member cooperatives. Through EKPC's CBP, benefits are proposed to be distributed to community members through robust energy efficiency and demand management efforts.

EKPC also recognizes once the CBP is available for review by the public, local benefit considerations may need to be made to accommodate specific, local needs.

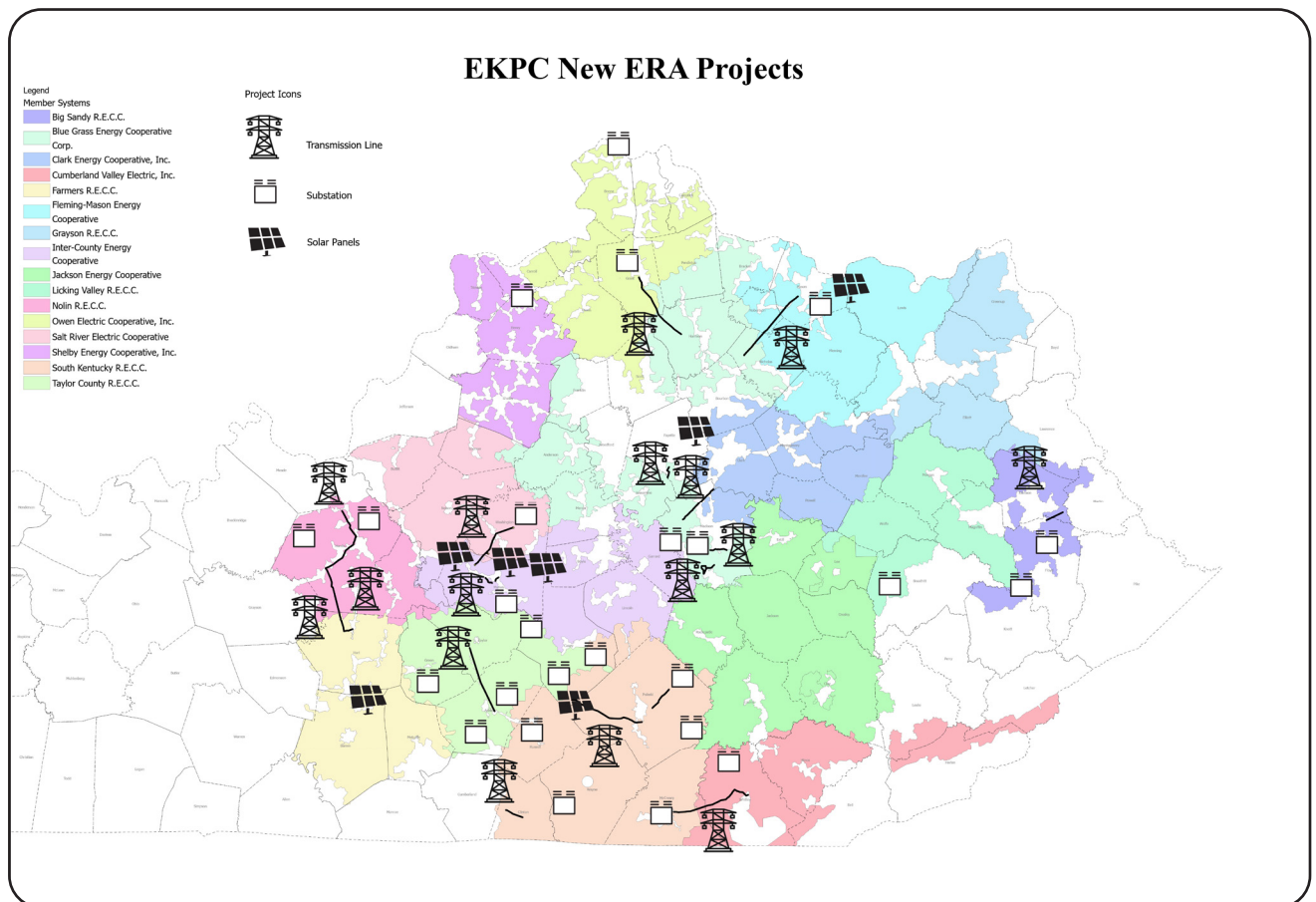
This dual approach ensures both broad and local advantages. Each project thus serves two purposes:

1. Improving EKPC's overall network efficiency and sustainability
2. Meeting community needs at both system-wide and local levels

This strategy demonstrates EKPC's commitment to inclusive community engagement while supporting its core mission of safely delivering reliable, competitive, and sustainable energy services.

EKPC's CBP outlines how the New ERA projects will benefit residents and stakeholders impacted by the project, address the concerns of the host community, and work to enhance community support. To ensure thorough development of its CBP, EKPC utilized RUS guidance and the following documentation:

1. The Notice of Funding Opportunity (NOFO)
2. Frequently Asked Questions (FAQ) documents
3. The June 2024 New ERA CBP training presentation
4. Invitation to Proceed Community Benefit Plan Expectations and Checklist



EKPC's Internal CBP Working Team

EKPC's CBP Working Team is cross-functional and includes leaders and subject matter experts (SMEs) from different areas of the organization needed to develop a CBP that meets RUS' requirements. The working team includes the following members:

Member & Community Engagement

Joe Settles – Manager, Member Services (Lead)
Nick Comer – External Affairs Manager
Lanny Brannock – Communications Manager
Rodney Hitch – Director, Economic Development

Government & Regulatory Affairs

Jena McNeill – Director, Government and Legislative Relations
Greg Cecil – Director, Regulatory & Compliance

Project Development

Brad Young – VP Engineering & Construction
Matt Clark – Director, Construction & Capital Management
Scott Drake – Director, Business & Technical Services

Finance

Tom Stachnik – VP Finance & Treasurer

EKPC's CBP Engagement Process

EKPC will implement a comprehensive CBP development process designed to ensure transparency, accessibility, and equity in developing our CBP. This process will address both system-wide benefits across our entire service territory and project-specific benefits as-needed for communities near each project site. Our approach leverages many of EKPC's existing and effective community engagement practices, processes and procedures and aims to foster meaningful participation from all stakeholders while completing all necessary steps in the CBP development process.

Timing (8-12 months)¹

¹ Initial time estimate: actual CBP development timeline may differ from this initial estimate.

Our engagement process started with EKPC's submission of its full New ERA application in July 2024 and will conclude with an 8-12 month engagement process with the public resulting in submittal of a final plan to RUS within a year of receipt of the commitment letter.

July 2024 - Commitment Letter: Planning and Preparation (Steps 1 and 2)

- Establish internal working group
- Identify directly impacted community members as well as other key stakeholders and community leaders across the service territory
- Engage with RUS for guidance on key outstanding questions related to CBP development
- Develop New ERA CBP website and determine other communication strategies (e.g., email, printed materials)
- Draft an initial high-level engagement process for review by RUS that will be shared with key external stakeholders and partners
- Draft an initial outline of EKPC's CBP for review with RUS staff to ensure the concepts and structure meet RUS' expectations and requirements

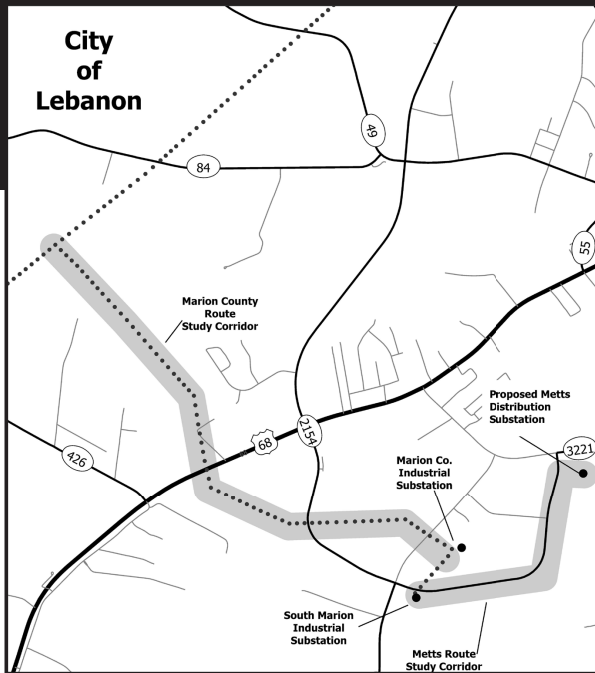
Commitment Letter + 3 Months: Initial Outreach about the Engagement Process (Step 3)

- Conduct initial meetings with key external stakeholders and partners to introduce the New ERA program and CBP component and gather input on the high-level engagement plan included in this document
- Update the engagement plan based on substantive feedback from the meetings

Commitment Letter + 6 Months: Community Engagement and CBP Draft Development (Steps 4 - 7)

- EKPC will begin to engage with impacted project host communities and key external stakeholders through the following activities:
 - Publish a [New ERA CBP website](#) that lists New ERA projects, including key project information, community engagement dates, and ways to submit questions and feedback
 - Publish an initial draft CBP on [the website](#) for community review, input and feedback
 - Update the draft CBP, if needed, with collected data, feedback, and suggestions on program implementations from impacted communities and stakeholders
 - Organize and schedule project host community engagement meetings at accessible times and locations following established EKPC community engagement practices and processes
 - Target outreach to key stakeholders and community members with a special emphasis on impacted project communities, disadvantaged communities, and agricultural producers. This targeted outreach will include local newspaper ads, such as the example on the following page, as well as letters to local government officials or neighboring property owners
 - Facilitate discussions across impacted stakeholder groups to gather input and feedback on the programs and benefits to be delivered through the CBP to ensure they are reflective of local needs
 - Establish and implement appropriate feedback and collaboration mechanisms

We want you involved ...



... to give feedback on our proposed new electric distribution substation and two sections of new 161-kilovolt electric transmission line, to be located on the southeast side of Lebanon, Ky., in the vicinity of U.S. 68. This project has been identified as a potential project available for federal funding under the Empowering Rural America program (New ERA) under the Inflation Reduction Act being administered by the Rural Utilities Service, a Rural Development agency of the United States Department of Agriculture.

The line will be located within the study area shown above. In addition to the reliability benefits gained from construction of the project, the facilities will also provide support for renewables on the transmission system.

To support the requirements of this federal funding, East Kentucky Power Cooperative (EKPC) is developing a community benefits plan (CBP). CBPs are intended to outline how projects will benefit local residents, address local concerns about negative project impacts, and enhance community support.

If you are a resident within one mile or a farmer within five miles of the project, we encourage your engagement to support development of the CBP.

For information on the project, to engage and provide feedback please visit

<https://www.ekpc.coop/new-era-projects>

to participate. To move the CBP forward, we request your engagement within two weeks of this notice.



EAST KENTUCKY POWER COOPERATIVE

A Touchstone Energy Cooperative 

Commitment Letter + 9 Months: Incorporate Feedback and Complete Draft CBP (Step 7)

- Incorporate community and stakeholder input and feedback and complete the draft CBP
- Organize final feedback sessions and other means of collecting final input, as needed
- Review updated CBP with stakeholders and local governments
- Conduct final reviews with EKPC's internal CBP working group

Commitment Letter + 12 Months: Finalization and Documentation (Steps 8 and 9)

- Ensure all required documentation is complete and accurate
- Obtain necessary approvals and submit the CBP Plan to RUS
- Develop schedule for regular progress reports on CBP implementation
- Establish process for collecting and analyzing data on project impact
- Prepare final report on engagement activities and outcomes

EKPC's CBP Engagement Process

Throughout the development of the CBP, EKPC will ensure the engagement process is transparent, accessible, and equitable. Methods EKPC may employ include:

Transparency

- Publish clear, jargon-free information about the CBP development process and New ERA projects on EKPC's website
- Create a dedicated online submission portal for inquiries about the projects and CBP process
- Regularly update stakeholders on project progress through the [New ERA CBP website](#) and emails, as needed
- Make all meeting minutes and feedback summaries publicly available
- Host periodic stakeholder meetings to provide updates and answer questions

Accessibility

- Offer various channels for engagement (potentially including): in-person meetings, virtual meetings, online comment forms, phone calls, and written submissions
- Provide materials in multiple languages upon request
- Ensure all physical meeting locations are ADA compliant
- Offer virtual participation options for all in-person events (if technologically feasible)
- Schedule meetings at times across the workday (e.g., 3 – 7pm) to accommodate different work schedules

Equity

- Conduct targeted outreach with a special emphasis on impacted project communities, disadvantaged communities, and farmers and agricultural producers
- Host all community meetings in locations easily accessible
- Provide interpretation services via phone service at all events



Delivering Community Benefits

Through EKPC's CBP, benefits are proposed to be distributed to community members through expanded and robust energy efficiency and demand management efforts.

EKPC also recognizes once the CBP is available for review by the public, local benefit considerations may need to be made to accommodate specific, local needs.

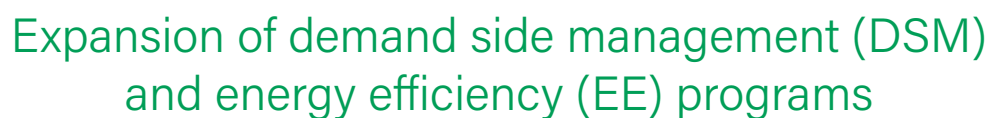
This dual approach ensures both broad and local advantages. Each project thus serves two purposes:

- Improving EKPC's overall network efficiency and sustainability
- Meeting community needs at both system-wide and local levels

EKPC's CBP will provide benefits to community members and stakeholders impacted by the projects, address the concerns of host communities, and work to enhance community and member support.

System-Wide Benefits

EKPC's CBP will deliver benefits to communities, members, and stakeholders across its service territory through the following programs, initiatives and investments:



Expansion of demand side management (DSM) and energy efficiency (EE) programs

EKPC has long been a leader in providing programs end-use members can utilize to help increase the energy efficiency of their home or business or reduce the amount of demand they have on the system.

EKPC is proposing to expand existing efforts and add programs to its suite of DSM and EE offerings, engaging the public when doing so. EKPC established a DSM and Renewable Energy Collaborative ("Collaborative") in 2011 to examine ways in which EKPC might increase its DSM-EE options and expand access to renewable energy resources.

EKPC meets with the Collaborative on a recurring basis and has recently discussed several topics, including potential DSM-EE measures. Collaborative members were provided with the study that outlined cost results for implementing potential DSM-EE measures.

The changes being made to the DSM/EE programs were based on input from owner-member staff as well as input from Collaborative members. Several recommendations from the Collaborative have been incorporated into new DSM-EE program offerings, including a new program providing incentives for high efficiency heat pumps and heat pump water heaters, and small commercial lighting and thermostats.

EKPC has filed a request with the Kentucky Public Service Commission (PSC) for the planned modifications and additional programs. Assuming approval by the Kentucky Public Service Commission, EKPC's annual costs will go from \$3.4M to \$7.4M, effectively doubling the commitment to DSM and EE. This proposed change falls directly within USDA Rural Development's benefit priority of launch or expansion of systemic or consumer-based energy efficiency and carbon reduction measures.

Reductions in energy and demand resulting from DSM-EE programs prolong the need for new supply-side resources, which saves capital investments. The cumulative reductions from the existing and proposed programs are 69,792 MWh and 38 MW winter by year 2030. The following are the projected cumulative impacts of the new DSM-EE Program Plan (negative value = reduction in load).

Projected cumulative impacts of the new DSM-EE Program Plan

Year	Impact on Energy Requirements (MWh)	Impact on Winter Peak (MW)	Impact on Summer Peak (MW)
2025	-5,232	-7	-24
2026	-18,177	-13	-29
2027	-31,129	-19	-33
2028	-44,127	-25	-37
2029	-56,761	-31	-41
2030	-69,792	-38	-45
2031	-82,852	-44	-49
2032	-96,103	-50	-54
2033	-108,663	-56	-58
2034	-121,091	-60	-56
2035	-133,857	-66	-60
2036	-147,802	-72	-64
2037	-160,175	-78	-67
2038	-173,082	-83	-71
2039	-185,729	-89	-74

DSM/EE programs

The DSM/EE programs fall into the following categories:

- Residential Weatherization (includes community action programming)
 - Improve overall efficiency of homes (insulation, duct work, etc.)
- Residential HVAC Equipment
 - Encourage installation of heat pump technologies
- Residential Home New Construction
- Commercial and Industrial programs
 - Lighting and thermostat programs
- Residential Electric Vehicle Off-peak Charging program
- Direct load control
 - Thermostat and equipment switches
- Residential Demand Response

DSM/EE programs

The **Button-Up Weatherization program** is an existing DSM-EE program that provides incentives for existing homes to reduce heat loss by improving insulation and air sealing to reduce air leaks. EKPC is proposing to provide new incentives for insulating floors and walls and installing energy-efficient windows and doors. EKPC is also proposing an increase in the incentives paid per Btuh of heat loss reduced due to the increased cost for the participant to implement the measures.

The **Heat Pump Retrofit program** is an existing DSM-EE program that provides incentives for existing homes converting the heat source from inefficient electric resistance heat to a heat pump. EKPC is proposing an increase in the incentive due to the increased cost for participants to implement the measures.

The **Community Assistance Resources for Energy Savings (CARES)** program is an existing low-income DSM-EE program that provides an incentive to Community Action Agencies and Kentucky's non-profit affordable housing organizations (AHOs) that retrofit low-income eligible homes with improved insulation, air sealing, and heat pumps. EKPC is proposing an increase in the incentives due to the cost of the measures having risen recently.

The **High Efficiency Heat Pump program** is a new DSM-EE program being proposed. This program provides incentives to homeowners replacing a heat pump with a unit that is more efficient than minimum government standards.

The **Commercial Advanced Lighting program** is a new DSM-EE program being proposed. This program provides an incentive for small non-residential businesses that replace older inefficient bulbs or light fixtures with LEDs.

The **Commercial and Industrial Thermostat program** is a new DSM-EE program being proposed for approval by the Commission. This program provides an incentive to qualifying businesses to replace traditional thermostats with new self-learning thermostats.

The **Back-up Generator Control program** is a new DSM-EE program being proposed for approval by the Commission. This program provides an annual incentive to end-use members for allowing EKPC to operate their permanently installed whole-home back-up generator during peak energy events.

These programs are expected to deliver cumulative impacts of 8,517 MWh savings per year and summer and winter peak demand reductions of 2.07 MW and 4.75 MW, respectively, across EKPC's membership, ensuring all projects in EKPC's New ERA portfolio provide benefits beyond direct project impacts. Upon Kentucky Public Service Commission approval, we anticipate the DSM and EE efforts will be available to end-use members as early as August or September 2025.

These programs will deliver benefits to communities and members across the EKPC's membership to ensure that all projects in the New ERA portfolio – not just the ones that impact their local host communities – are receiving benefits from these projects beyond the direct benefits of the projects (e.g. cost reduction, resiliency).

Additionally, these DSM-EE programs cost-effectively provide the end-use members with tools to improve the utilization of energy at their home or business resulting in a reduction of their electric bill. Nearly half of the counties served by EKPC face persistent poverty and include some of the poorest rural areas in the nation. These DSM-EE programs provide the ability for members in these communities to better manage their energy costs.

The 49 New ERA projects will also result in a cumulative annual reduction in greenhouse gas (GHG) of 2,329,693 tons of CO₂ emissions and annual energy loss reductions of 11,054 MWh.

Project-Specific Benefits

EKPC's CBP may also deliver benefits directly to the project host communities that are impacted by projects in the New ERA portfolio.

Components for local CBP efforts may include:

- Project Description
- Community / member / stakeholder / local officials engaged in CBP development
- Key engagement milestones and dates (community meetings, etc.)
- Project Benefits
- Benefits to Host Communities
- Labor, Co-op Member Benefits, Other Impacted Community Benefits (as applicable)
- Ongoing mechanism for continued engagement beyond initial CBP submission
- Implementation timeline and milestones

This section will highlight project specific benefits and engagements for those projects listed below which have been identified as having potential impacts on their respective communities.

- Cooperative Solar Farm Two – Fayette (Bluegrass Solar)
- Cooperative Solar Farm Three – Marion (Northern Bobwhite Solar)
- Coburg – EKPC Campbellsville New 69kV Line - Renewable Support
- Madison Co New 69kV Switching Station & Tap - Renewable Support
- Marion Co Industrial Tap - New 161kV Parallel Line - Renewable Support
- Metts New Substation & Tap Line - Energy Efficiency

There will likely be additional projects that have potential impacts on their respective communities but are not yet ready for public review. Additional details on these projects will be provided in updated versions of this CBP.

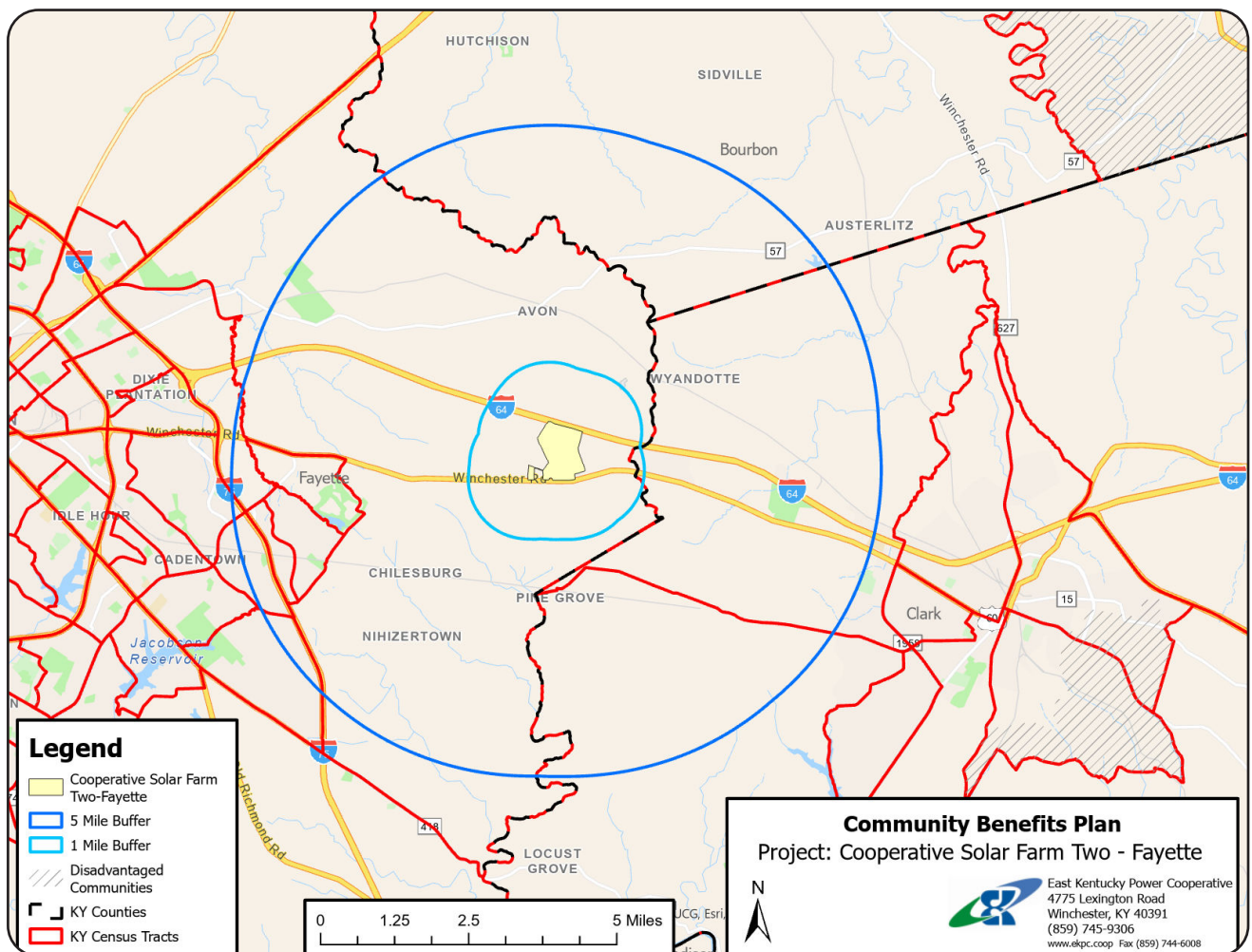
Project – Cooperative Solar Farm Two – Fayette (Bluegrass Solar)

Project Description

The Cooperative Solar Farm Two (Bluegrass Solar) project is the construction of a 40.0 MW solar generation facility with an average annual energy supply of 77,948 MWh in Fayette County, KY. It is estimated to begin construction on 11/30/2025 and achieve commercial operation on 6/30/2027. It is estimated to cost \$101.74M and \$101.74M of award funds are being requested to finance it. It will be designed, constructed and operated based on proven commercially available technology.

Community / member / stakeholder / local officials engaged in CBP development

The Cooperative Solar Farm Two – Fayette (Bluegrass Solar) project site is in Fayette County, Kentucky. The project site is in census tract 2106700918, placing it in a non-disadvantaged community (DAC) area as shown in the project map.



Key engagement milestones and dates (community meetings, etc.)

EKPC conducted an information public meeting with the local community to inform them of the New ERA project on Thursday, May 16, 2024 to solicit feedback. EKPC also attended a community meeting hosted by Fayette County 12th District Councilmember Kathy Plomin, gained feedback through public comments in PSC Case 2024-00129 and through Rural Utilities Service environmental review process.

Below is a summary of the agenda EKPC followed in this engagement:

- Overview and Scope of Project
- Benefits
- Q&A
- Feedback Mechanism and Next Steps

At the date of this plan, numerous individuals submitted official feedback and comments on the project.

Project Benefits

This project will provide the following direct benefits:

Jobs – At peak construction, approximately 75 workers will be employed at the site

GHG reductions (in annual tons of CO2 emissions) – 88,688

Local Investment – \$101.74 Million

Resiliency – 40 MW added capacity and 77,948 Average Annual MWh Impact

Tax revenue – \$67,813 annual taxable value

Project sited within an Energy Community to take advantage of available tax credits ²

² <https://www.irs.gov/credits-deductions/frequently-asked-questions-for-energy-communities>

Benefits to Host Communities

In addition to the expansion of DSM-EE programs that will provide value and benefits to communities, EKPC may also provide Host Community benefits for those near this project. These benefits will be documented in this section once they are identified and decided upon based on community feedback.

Co-op Member Benefits

Through completion of this project, EKPC will provide the following benefits to members cooperative(s) identified for the project:

- Cleaner Air – 88,688 tons of annual CO2 emissions reduction
- Indirect Cost Savings – \$25.4M in grant funding
- Resiliency – 40 MW added capacity and 77,948 Average Annual MWh Impact
- Long-term energy hedge
- Diversify EKPC's portfolio

Ongoing mechanism for continued engagement beyond initial CBP submission

Community members can learn more about the project on EKPC's [New ERA website](#) and provide feedback on the project and the proposed benefits via the public comment mechanism on the website.

Benefits Implementation Timeline and Milestones

Benefits identified will be incorporated into an implementation plan across a timeline for reference.

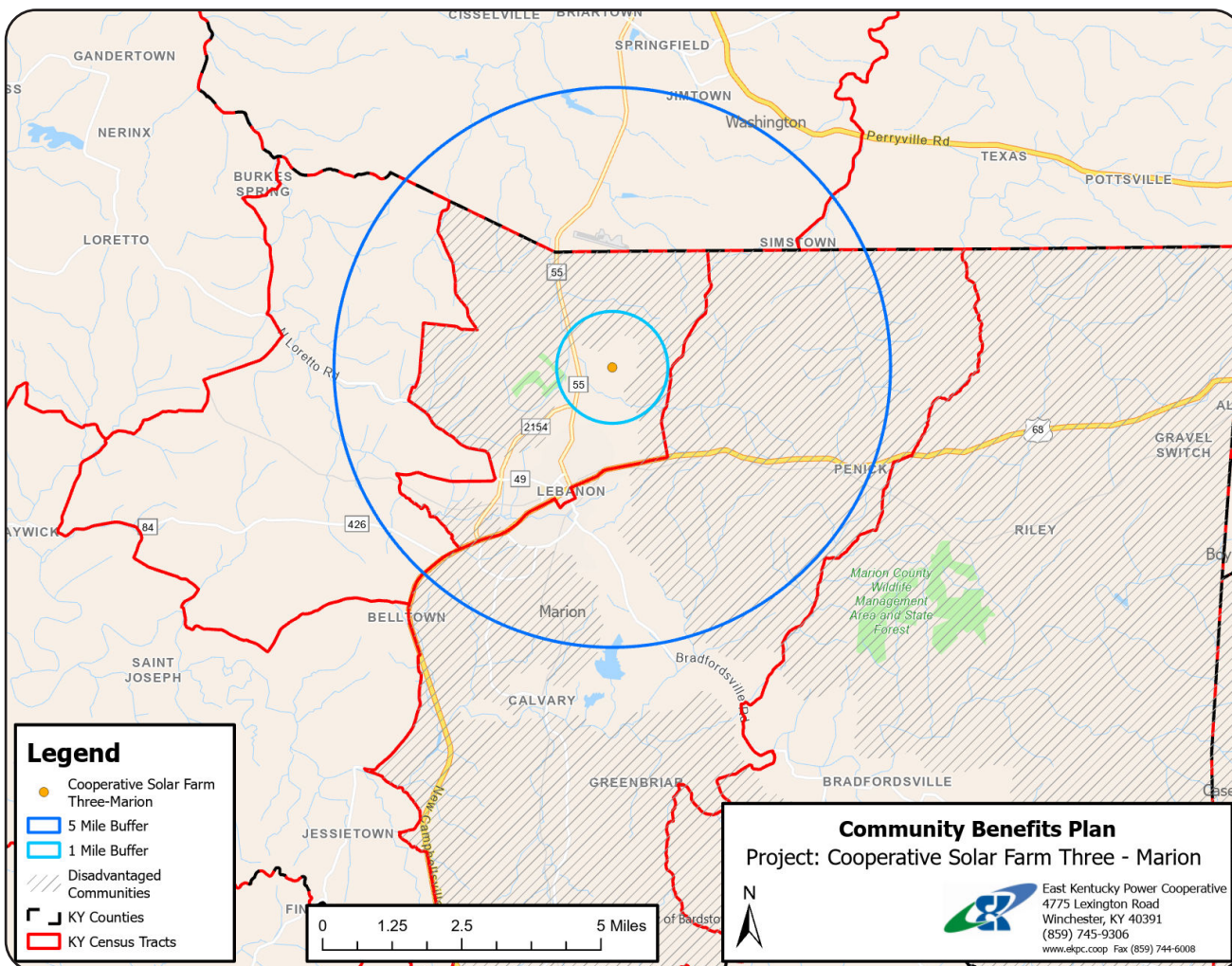
Project – Cooperative Solar Farm Three – Marion (Northern Bobwhite Solar)

Project Description

The Northern Bobwhite Solar project is the construction of a 96.0 MW solar generation facility with an average annual energy supply of 202,850 MWh in Marion County, KY. It is estimated to begin construction on 3/1/2026 and achieve commercial operation on 6/1/2027. It is estimated to cost \$233.64M and \$233.64M of award funds are being requested to finance it. It will be designed, constructed and operated based on proven commercially available technology.

Community / member / stakeholder / local officials engaged in CBP development

The Cooperative Solar Farm Three – Marion (Northern Bobwhite Solar) project site is in Marion County, Kentucky. The project site is in census tract 21155970200, placing it in a DAC area as shown in the project map.



Key engagement milestones and dates (community meetings, etc.)

EKPC conducted an information public meeting with the local community to inform them of the New ERA project on Thursday, May 23, 2024 at the Marion County Cooperative Extension Office to solicit feedback. Below is a summary of the agenda EKPC followed in this engagement:

- Overview and Scope of Project
- Benefits
- Q&A
- Feedback Mechanism and Next Steps

At the date of this plan, numerous individuals submitted official feedback and comments on the project.

Project Benefits

This project will provide the following direct benefits:

Jobs – At peak construction, approximately 400 workers will be employed at the site

GHG reductions (in annual tons of CO2 emissions) – 230,800

Local Investment – \$233.64 Million

Resiliency – 96 MW added capacity and 202,850 Average Annual MWh Impact

Tax revenue – \$82,703 annual taxable value

Project sited within an Energy Community to take advantage of available tax credits ³

³ <https://www.irs.gov/credits-deductions/frequently-asked-questions-for-energy-communities>

Benefits to Host Communities

In addition to the expansion of DSM-EE programs that will provide value and benefits to communities, EKPC may also provide Host Community benefits for those near this project. These benefits will be documented in this section once they are identified and decided upon based on community feedback.

Co-op Member Benefits

Through completion of this project, EKPC will provide the following benefits to members cooperative(s) identified for the project:

- Cleaner Air – 230,800 tons of annual CO2 emissions reduction
- Indirect Cost Savings – \$58.4M in grant funding
- Resiliency – 96 MW added capacity and 202,850 Average Annual MWh Impact

Ongoing mechanism for continued engagement beyond initial CBP submission

Community members can learn more about the project on EKPC's [New ERA website](#) and provide feedback on the project and the proposed benefits via the public comment mechanism on the website.

Benefits Implementation Timeline and Milestones

Benefits identified will be incorporated into an implementation plan across a timeline for reference.

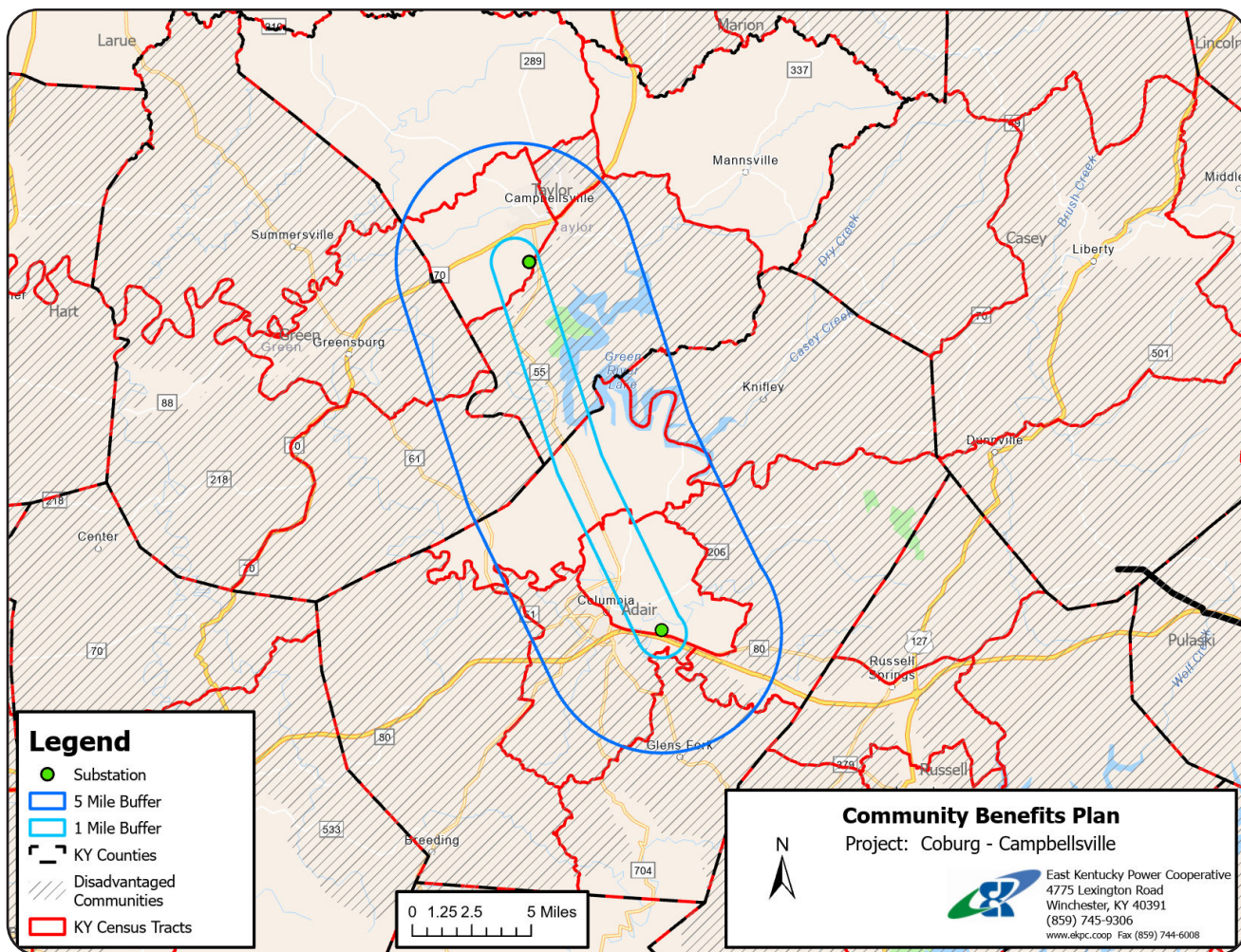
Project – Coburg – EKPC Campbellsville New 69kV Line - Renewable Support

Project Description

The Coburg – EKPC Campbellsville New 69kV Line - Renewable Support project in Adair & Taylor Counties, KY will construct a new 10-mile 69 kV transmission line to support integration of renewable projects with PJM queue positions AG2-179. The new line capacity will be 89 MW and will result in an annual reduction of associated energy line losses of 651 MWh. It is estimated to begin construction on 3/10/2026 and achieve commercial operation on 12/31/2026. It is estimated to cost \$9.45M and \$9.45M of award funds are being requested to finance it. It will be designed, constructed and operated based on proven commercially available technology.

Community / member / stakeholder / local officials engaged in CBP development

The Coburg – EKPC Campbellsville New 69kV Line - Renewable Support project site is in Barren County, Kentucky. The project site is in census tracts 21001970402, 21001970200, 21217920500, and 21217920400, placing it in a DAC area as shown in the project map.



Key engagement milestones and dates (community meetings, etc.)

EKPC conducted an information public meeting with the local community to inform them of the New ERA project on Thursday, August 8, 2024 to solicit feedback. Below is a summary of the agenda EKPC followed in this engagement:

- Overview and Scope of Project
- Benefits
- Q&A
- Feedback Mechanism and Next Steps

At the date of this plan, numerous individuals submitted official feedback and comments on the project.

Project Benefits

This project will provide the following direct benefits:

Jobs – EKPC will employ qualified contractors to construct the facility

GHG reductions (in annual tons of CO2 emissions) – 738

Local Investment – \$9.45 Million

Benefits to Host Communities

In addition to the expansion of DSM-EE programs that will provide value and benefits to communities, EKPC may also provide Host Community benefits for those near this project. These benefits will be documented in this section once they are identified and decided upon based on community feedback.

Co-op Member Benefits

Through completion of this project, EKPC will provide the following benefits to members cooperative(s) identified for the project:

- Cleaner Air – 738 tons of annual CO2 emissions reduction
- Indirect Cost Savings – \$23.6M in grant funding
- Energy Loss Reduction – 651 MWh

Ongoing mechanism for continued engagement beyond initial CBP submission

Community members can learn more about the project on EKPC's [New ERA website](#) and provide feedback on the project and the proposed benefits via the public comment mechanism on the website.

Benefits Implementation Timeline and Milestones

Benefits identified will be incorporated into an implementation plan across a timeline for reference.

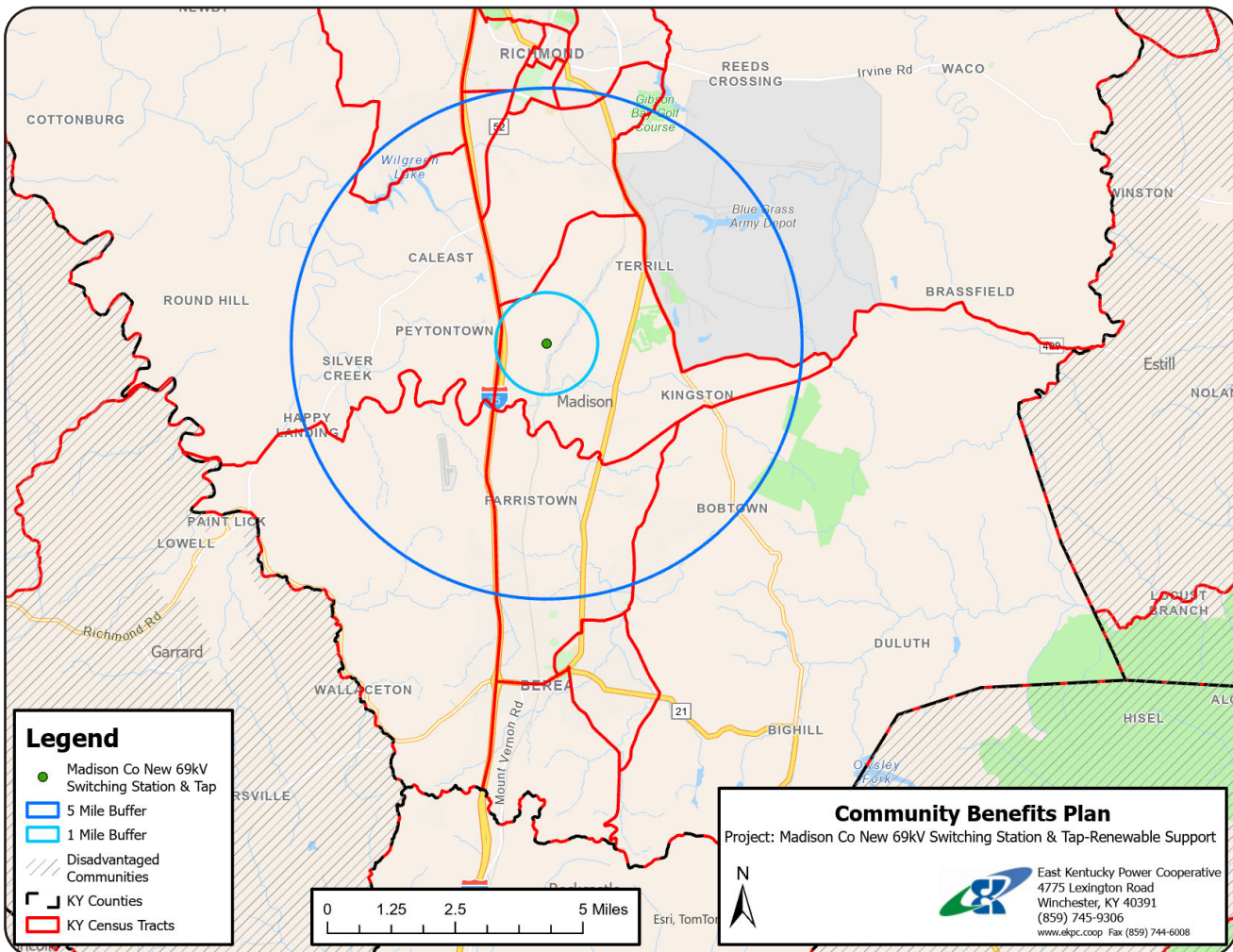
Project – Madison Co New 69kV Switching Station & Tap - Renewable Support

Project Description

The Madison Co New 69kV Switching Station & Tap - Renewable Support project in Madison County, KY will upgrade existing substation to support integration of renewable project with PJM queue position AI1-084. Project includes the addition of 138 kV infrastructure and a step-down transformer to the existing substation. The project will increase the substation capacity by 144 MW. It is estimated to begin construction on 2/3/2026 and achieve commercial operation on 12/31/2026. It is estimated to cost \$11.69M and \$11.69M of award funds are being requested to finance it. It will be designed, constructed and operated based on proven commercially available technology.

Community / member / stakeholder / local officials engaged in CBP development

The Madison Co New 69kV Switching Station & Tap - Renewable Support project site is in Madison County, Kentucky. The project site is in census tract 21151010901, placing it in a non-DAC area as shown in the project map.



Key engagement milestones and dates (community meetings, etc.)

EKPC conducted an information public meeting with the local community to inform them of the New ERA project on Tuesday, September 20, 2022 to solicit feedback. Below is a summary of the agenda EKPC followed in this engagement:

- Overview and Scope of Project
- Benefits
- Q&A
- Feedback Mechanism and Next Steps

At the date of this plan, numerous individuals submitted official feedback and comments on the project.

Project Benefits

This project will provide the following direct benefits:

Jobs – EKPC will employ qualified contractors to construct the facility

GHG reductions (in annual tons of CO2 emissions) – 19

Local Investment – \$11.69 Million

Resiliency – 144 MW added capacity

Benefits to Host Communities

In addition to the expansion of DSM-EE programs that will provide value and benefits to communities, EKPC may also provide Host Community benefits for those near this project. These benefits will be documented in this section once they are identified and decided upon based on community feedback.

Co-op Member Benefits

Through completion of this project, EKPC will provide the following benefits to member cooperative(s) identified for the project:

- Cleaner Air – 19 tons of annual CO2 emissions reduction
- Indirect Cost Savings – \$29.2M in grant funding
- Resiliency – 144 MW added capacity

Ongoing mechanism for continued engagement beyond initial CBP submission

Community members can learn more about the project on EKPC's [New ERA website](#) and provide feedback on the project and the proposed benefits via the public comment mechanism on the website.

Benefits Implementation Timeline and Milestones

Benefits identified will be incorporated into an implementation plan across a timeline for reference.

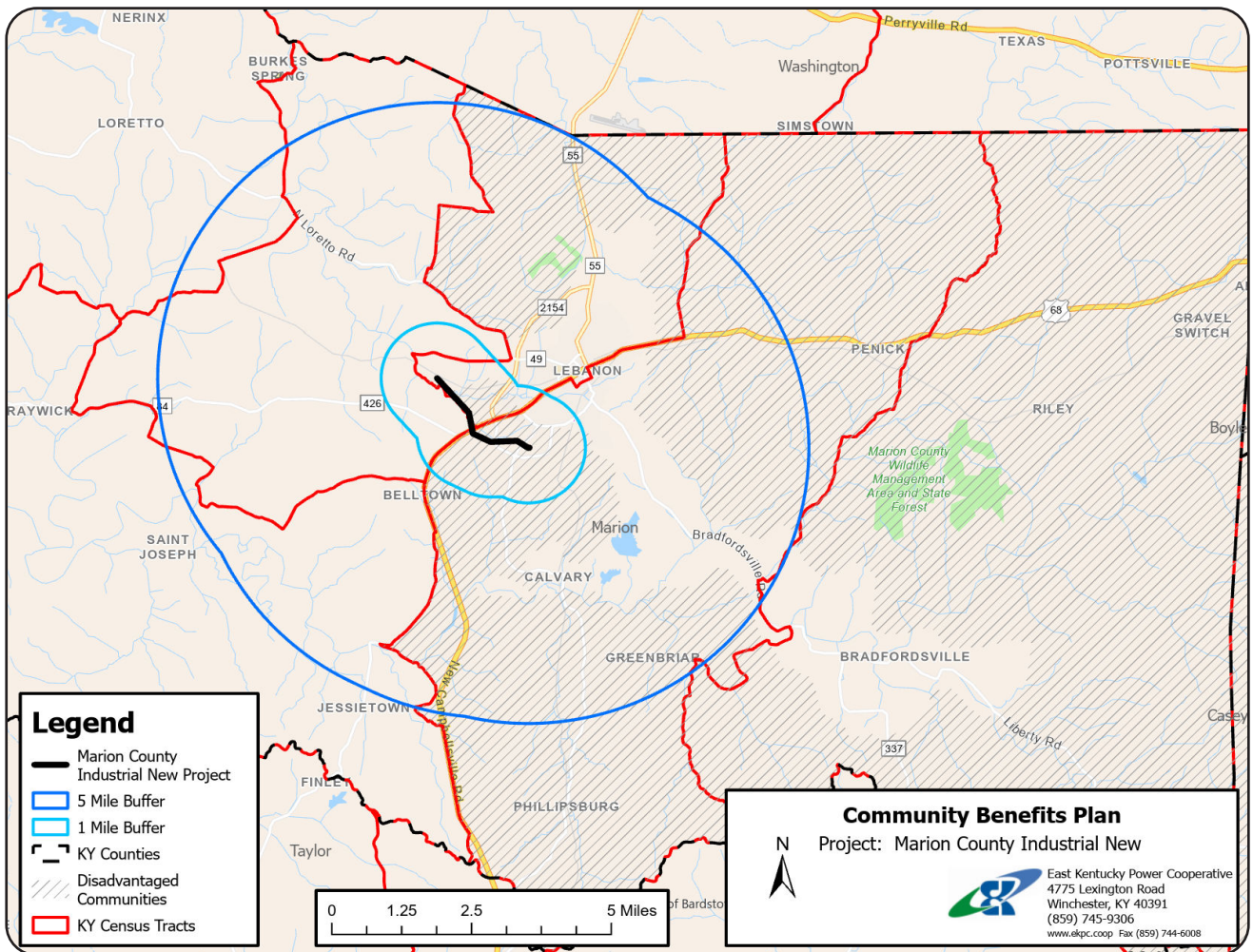
Project – Marion Co Industrial Tap - New 161kV Parallel Line - Renewable Support

Project Description

The Marion Co Industrial Tap - New 161kV Parallel Line - Renewable Support project in Marion County, KY will construct a new 2.28-mile 161 kV transmission line parallel to the existing Marion County Industrial tap to support integration of renewable projects with PJM queue positions AG1-488, AH1-532, and AH2-263. The new line capacity will be 267 MW. It is estimated to begin construction on 3/28/2025 and achieve commercial operation on 12/31/2025. It is estimated to cost \$4.19M and \$4.19M of award funds are being requested to finance it. It will be designed, constructed and operated based on proven commercially available technology.

Community / member / stakeholder / local officials engaged in CBP development

The Marion Co Industrial Tap - New 161kV Parallel Line - Renewable Support project site is in Marion County, Kentucky. The project site is in census tract 21155970200, 21155970300, and 21155970700, placing it in a DAC area as shown in the project map.



Key engagement milestones and dates (community meetings, etc.)

EKPC conducted an information public meeting with the local community to inform them of the New ERA project on Thursday, February 29, 2024 to solicit feedback. Below is a summary of the agenda EKPC followed in this engagement:

- Overview and Scope of Project
- Benefits
- Q&A
- Feedback Mechanism and Next Steps

At the date of this plan, numerous individuals submitted official feedback and comments on the project.

Project Benefits

This project will provide the following direct benefits:

Jobs – EKPC will employ qualified contractors to construct the facility

GHG reductions (in annual tons of CO2 emissions) – 303

Local Investment – \$4.19 Million

Benefits to Host Communities

In addition to the expansion of DSM-EE programs that will provide value and benefits to communities, EKPC may also provide Host Community benefits for those near this project. These benefits will be documented in this section once they are identified and decided upon based on community feedback.

Co-op Member Benefits

Through completion of this project, EKPC will provide the following benefits to members cooperative(s) identified for the project:

- Cleaner Air – 303 tons of annual CO2 emissions reduction
- Indirect Cost Savings –\$1M in grant funding

Ongoing mechanism for continued engagement beyond initial CBP submission

Community members can learn more about the project on EKPC's [New ERA website](#) and provide feedback on the project and the proposed benefits via the public comment mechanism on the website.

Benefits Implementation Timeline and Milestones

Benefits identified will be incorporated into an implementation plan across a timeline for reference.

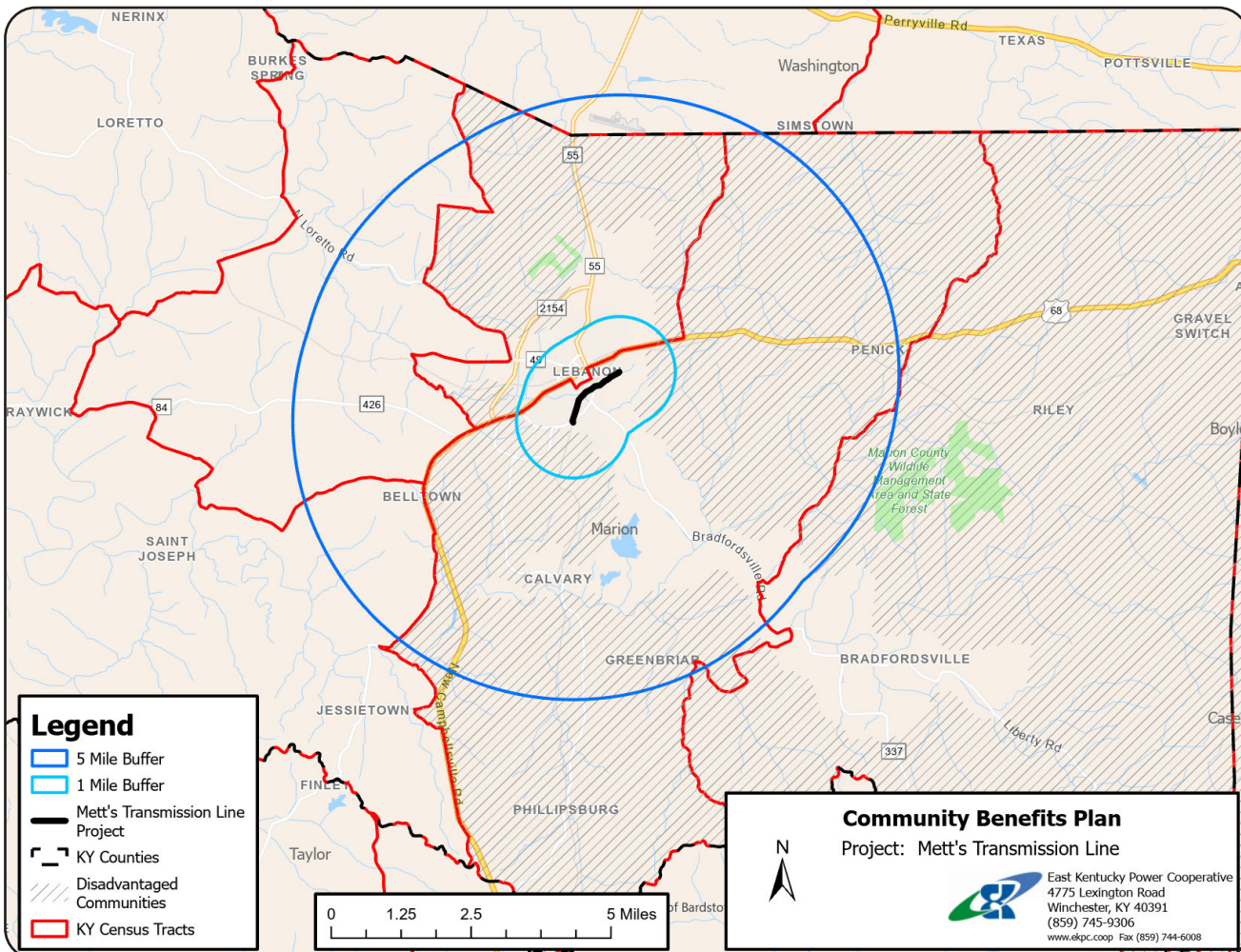
Project - Metts New Substation & Tap Line - Energy Efficiency

Project Description

The Metts New Substation & Tap Line - Energy Efficiency project in Marion County, KY will construct a new substation and a 0.9-mile transmission line tap. The new substation will support the retirement of the existing Lebanon distribution substation and increases substation energy efficiency, resulting in an annual reduction of energy losses of 51 MWh. It is estimated to begin construction on 3/28/2025 and achieve commercial operation on 12/31/2025. It is estimated to cost \$6.27M and \$6.27M of award funds are being requested to finance it. It will be designed, constructed and operated based on proven commercially available technology.

Community / member / stakeholder / local officials engaged in CBP development

The Metts New Substation & Tap Line - Energy Efficiency project site is in Marion County, Kentucky. The project site is in census tract 21155970700, placing it in a DAC area as shown in the project map.



Key engagement milestones and dates (community meetings, etc.)

EKPC conducted an information public meeting with the local community to inform them of the New ERA project on Tuesday, September 20, 2022 to solicit feedback. Below is a summary of the agenda EKPC followed in this engagement:

- Overview and Scope of Project
- Benefits
- Q&A
- Feedback Mechanism and Next Steps

At the date of this plan, numerous individuals submitted official feedback and comments on the project.

Project Benefits

This project will provide the following direct benefits:

Jobs – EKPC will employ qualified contractors to construct the facility

GHG reductions (in annual tons of CO2 emissions) – 58

Local Investment – \$6.27 Million

Energy Loss Reduction – 51 MWh

Benefits to Host Communities

In addition to the expansion of DSM-EE programs that will provide value and benefits to communities, EKPC may also provide Host Community benefits for those near this project. These benefits will be documented in this section once they are identified and decided upon based on community feedback.

Co-op Member Benefits

Through completion of this project, EKPC will provide the following benefits to members cooperative(s) identified for the project:

- Cleaner Air – 58 tons of annual CO2 emissions reduction
- Indirect Cost Savings – \$1.6M in grant funding
- Energy Loss Reduction – 51 MWh

Ongoing mechanism for continued engagement beyond initial CBP submission

Community members can learn more about the project on EKPC's [New ERA website](#) and provide feedback on the project and the proposed benefits via the public comment mechanism on the website.

Benefits Implementation Timeline and Milestones

Benefits identified will be incorporated into an implementation plan across a timeline for reference.

NOTES



EAST KENTUCKY POWER COOPERATIVE

A Touchstone Energy Cooperative 

4775 Lexington Rd. (40391), P.O. Box 707—Winchester, KY 40392-0707

www.ekpc.coop