

EKPC's Sustainability Collaborative

EKPC's newest Collaborative, named EKPC's Sustainability Collaborative, began meeting in 2021. The following are active members of the Collaborative.



Company/Organization	
East Kentucky Power Cooperative	Bluegrass GreenSource
Mountain Association	Kentucky Conservation Committee
Big Sandy RECC	Kentuckians for the Commonwealth
Blue Grass Energy Cooperative	Kentucky Interfaith Power and Light
Clark Energy Cooperative	Frontier Housing
Cumberland Valley Electric	Kentucky Industrial Utility Customers
Farmers RECC	Nucor/Gallatin Steel
Fleming-Mason Energy Cooperative	Kentucky Association of Manufacturers
Grayson RECC	Kentucky Chamber of Commerce
Inter-County Energy Cooperative	
Jackson Energy Cooperative	Non-voting Members and Observers (Invited)
Licking Valley RECC	Company/Organization
Nolin RECC	Center for Applied Energy Research
Owen Electric Cooperative	Energy and Environment Cabinet
Salt River Electric Cooperative	
Shelby Energy Cooperative	
South Kentucky RECC	
Taylor County RECC	

The Collaborative met four (4) times in 2021. Meeting minutes are as follows:

EKPC Sustainability Collaborative
March 19, 2021
Virtual Meeting
(Collaborative Members Only)

The East Kentucky Power Cooperative, Inc. (“EKPC”) Sustainability Collaborative (“Collaborative”) held its kick-off meeting, open to Collaborative members only, on March 19, 2021, at 1:00 pm eastern, via the Microsoft Teams virtual platform. Scott Drake, EKPC representative and Collaborative Co-Chair, facilitated the virtual meeting and granted attendee access.

A safety moment and welcome message were provided by EKPC executives, Denise Foster and David Crews.

At Scott Drake’s direction, attending Collaborative members introduced themselves to the group.

Who We Are: EKPC and its Owner-Member Cooperatives

Joe Settles, EKPC Member Services, presented an overview of the electric cooperative model; the Board of Directors’ structure; the guiding principles of EKPC, its Owner-Member distribution cooperatives and the Kentucky Touchstone Energy Cooperatives; EKPC’s generation facilities and its membership in the PJM Interconnection LLC, a regional transmission organization; and the cooperatives’ environmental stewardship and economic development focus. A brief question and answer period followed.

EKPC Sustainability Collaborative Charter Review

Co-Chairs, Scott Drake of EKPC and Carrie Ray of the Mountain Association for Community Economic Development (“MACED”), presented an overview of the Collaborative’s Charter, highlighting the group’s purpose, voting and non-voting member structure, meeting planning, available funding and the group decision-making process. Discussion and a brief question and answer period followed.

EKPC Sustainability Plan

Co-Chair Scott Drake presented to the group details of EKPC’s Sustainability Plan, including goals, working groups/teams and employee engagement. Discussion and a brief question and answer period followed.

Scott Drake advised the Collaborative members that an online polling survey would be distributed to identify the date and time of the next virtual meeting, which will be open to the public. The meeting adjourned.

EKPC Sustainability Collaborative
April 20, 2021
Virtual Meeting
(Open to Collaborative Members & Public)

The East Kentucky Power Cooperative, Inc. (“EKPC”) Sustainability Collaborative (“Collaborative”) held its meeting, open to Collaborative members and public observers, on April 20, 2021, at 1:00 pm eastern, via the Microsoft Teams virtual platform. Public notice was provided on EKPC’s external website. Scott Drake, EKPC representative and Collaborative Co-Chair, facilitated the virtual meeting and granted attendee access.

A safety moment was provided by Co-Chair Carrie Ray, Mountain Association representative. An attendee roll call was conducted by Scott Drake.

Scott Drake advised the group that the Collaborative will meet frequently at this point due to preparations for the EKPC Integrated Resource Plan, to be provided to the Kentucky Public Service Commission, outlining energy efficiency and demand response programs. At a later time, the Collaborative meetings will meet on a quarterly basis as intended.

Energy Efficiency and Demand Response

Scott Drake and special guest, John Farley, Demand Side Management (“DSM”) energy expert, presented an overview of the energy efficiency and demand response programs offered by EKPC currently; the 2020 data associated with those programs; the process of evaluating the cost-effectiveness of such programs; and a DSM potential study in progress.

Committee member and public observer questions were addressed throughout the meeting.

Scott Drake advised the Collaborative members that an online polling survey would be distributed to identify the date and time of the next virtual meeting. The meeting adjourned at 2:36 pm.

EKPC Sustainability Collaborative
August 26, 2021
Virtual Meeting
(Open to Collaborative Members)

The East Kentucky Power Cooperative, Inc. (“EKPC”) Sustainability Collaborative (“Collaborative”) held its meeting of the Collaborative representatives, on August 26, 2021, at 1:00 pm eastern, via the Microsoft Teams virtual platform. Scott Drake, EKPC representative and Collaborative Co-Chair, facilitated the virtual meeting and granted attendee access.

The meeting purpose was to review draft cost-effectiveness results of energy efficiency (EE) and demand response (DR) measures. EKPC contracted with GDS Associates to complete a technical potential study of all possible EE and DR measures. The draft results were provided to all Collaborative representatives for review, discussion and recommendations.

A safety moment was provided by Co-Chair Carrie Ray, Mountain Association representative. An attendee roll call was conducted by Scott Drake.

Scott Drake presented a review of the energy efficiency and demand response programs offered by EKPC currently; the 2020 data associated with those programs; the process of evaluating the cost-effectiveness of such programs; and a DSM potential study in progress.

The GDS Associates provided a measure-level cost-effectiveness (Total Resource Costs “TRC”) evaluation for possible residential and C&I EE and DR programs based on 4 different criteria:

- Base Case – EKPC avoided costs based on a forward price curve for energy and capacity prices in PJM.
- Low-Carbon Case - Base Case plus a per kWh energy adder for carbon from a Guidehouse study based on RGGI.
- Middle-Carbon Case – Base Case plus a per kWh energy adder for carbon from a Guidehouse study based on the Biden Administration proposal for carbon.
- High-Carbon Case – Base Case plus a per kWh energy adder for carbon from a Guidehouse study based on the social cost of carbon in NY.

John Farley, EKPC’s DSM expert consultant, provided a comparison of cost-effective measures from this study in 2021 versus the cost-effectiveness study performed in 2018 in preparation for EKPC’s IRP filing in 2019. Scott Drake and John Farley lead the discussion and answered questions pertaining to the TRC results.

General comments and questions:

- Representatives noted the EKPC should have a C&I LED lighting EE program or measures because the TRCs are above 1.0. EKPC noted that a program like that was eliminated in 2019 because of the very high level of free-riders. Most of the participants were planning to replace the less-efficient lamps with LEDs without an incentive from the utility. Representatives noted that some economically-challenge businesses still have the need for an incentive.
- Representatives suggested that EKPC and owner-member systems should be a leader in EE, especially with Low-Moderate Income (LMI) members. EKPC noted that its CARES LMI

program's participation levels are under-performing and is evaluating ways to improve the program's performance.

- Representatives noted that the residential duct seal measure is cost-effective and recommended that measure to be added to the Button-up Weatherization program. EKPC is evaluating that recommendation.
- A discussion ensued about the process for identifying new programs and outreach.

Representatives requested a second virtual meeting a few weeks out to allow for more review. The next meeting to discuss EE and DR measure cost-effectiveness and programs was scheduled for September 16, 2021 at 9:30 AM EPT. Meeting adjourned.

EKPC Sustainability Collaborative
September 16, 2021
Virtual Meeting
(Open to Collaborative Members)

The East Kentucky Power Cooperative, Inc. (“EKPC”) Sustainability Collaborative (“Collaborative”) held its meeting of the Collaborative representatives, on September 16, 2021, at 9:30 am eastern, via the Microsoft Teams virtual platform. Scott Drake, EKPC representative and Collaborative Co-Chair, facilitated the virtual meeting and granted attendee access.

The meeting purpose was to facilitate a deep-dive and discussion pertaining to the cost-effectiveness results of energy efficiency (EE) and demand response (DR) measures. EKPC contracted with GDS Associates to complete a technical potential study of all possible EE and DR measures. This Collaborative meeting was a follow-up meeting to the Collaborative meeting on August 26, 2021.

A safety moment was provided by Co-Chair Carrie Ray, Mountain Association representative. An attendee roll call was conducted by Scott Drake.

Scott Drake presented a review of the energy efficiency and demand response programs offered by EKPC currently; the 2020 data associated with those programs; the process of evaluating the cost-effectiveness of such programs; and a DSM potential study in progress.

The GDS Associates provided a measure-level cost-effectiveness (Total Resource Costs “TRC”) evaluation for possible residential and C&I EE and DR programs based on 4 different criteria:

- Base Case – EKPC avoided costs based on a forward price curve for energy and capacity prices in PJM.
- Low-Carbon Case - Base Case plus a per kWh energy adder for carbon from a Guidehouse study based on RGGI.
- Middle-Carbon Case – Base Case plus a per kWh energy adder for carbon from a Guidehouse study based on the Biden Administration proposal for carbon.
- High-Carbon Case – Base Case plus a per kWh energy adder for carbon from a Guidehouse study based on the social cost of carbon in NY.

EKPC acknowledged that since the August 26th meeting, it has been evaluating incorporating the Duct Sealing measure into the Button-up Weatherization program. John Farley performed additional research and evaluation of the measure’s cost-effectiveness, suggested incentive levels, and the resulting Rate Impact Measure (RIM). Those items were discussed by the Collaborative representatives. EKPC plans additional discussions with its executive staff and owner-members.

The Collaborative discussed the cost-effectiveness and potential opportunities of a C&I lighting program. Collaborative representatives noted that many small businesses still struggle with investing in energy efficient lighting upgrades and many lighting measures are cost-effective. EKPC noted that the previous C&I lighting program saw significant free-ridership that caused EKPC to eliminate the program. EKPC acknowledged that the previous program was a broad measure approach to implementation. EKPC noted that in 2022 it will evaluate developing a more narrowly focused C&I lighting program.

Meeting adjourned.