TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

# MIDDLE GEORGIA CLEAN AIR COALITION

## Thursday, May 12, 2022

4:00 PM – 5:00 PM

Middle Georgia Regional Commission

175 Emery Highway, Suite C | Macon, GA 31217

*We will act now to reduce NOx and Ozone in the Middle Georgia Community to ensure that we protect the region's public health, maintain a robust economic growth, and show leadership in environmental sustainability.*

| | | |
|---|---|---|
| 4:00 | Call to Order and Approval of Apr. Minutes | Greg Tapley, Chair |
| 4:05 | April Financial Report | Greg Boike |
| 4:10 | FY2023 Proposed Budget Review | Greg Boike |
| 4:15 | Nomination of MGCAC Officers | Greg Tapley, Chair |
| 4:25 | Clark Group Report<br>▪ Smart Growth Initiative<br>▪ State $500,000 Appropriation<br>▪ Trip to Washington, DC | Ray Clark |
| 4:40 | Update on USDA REPP Program | Greg Boike |
| 4:45 | Discussion | MGCAC Members |
| 5:00 | Adjournment | Greg Tapley, Chair |

***Next Meeting – Thursday, June 9, 2022, at 4:00 p.m.***
***Middle Georgia Regional Commission***

**MEETING MINUTES**
**MIDDLE GEORGIA CLEAN AIR COALITION**
**REGULAR MEETING**
Thursday, April 14, 2022, 4:00 pm
Middle Georgia Regional Commission

DRAFT

Executive Board Members Present:

Chairman Greg Tapley, Monroe County*****
Mayor John Harley, City of Centerville*
Commissioner Sam Kitchens, Jones County*
Mayor Eric Wilson, City of Forsyth*
Councilman Rusty Adams, City of Byron*

Other Local Officials, Staff, and Stakeholders Present:

Henry Ficklin, Macon-Bibb County*
Jacob Cox, Houston County*
Sheknita Davis - Field Representative for Senator Raphael Warnock
Josh Hughes, PSG Energy
Charise Stephens, Macon-Bibb County
Bryan Jones, Robins AFB
Kelly Sheckler, Region 4 EPA
Tamara Smith-Hayes, Georgia EPD

***Denotes Voting Member or Local Government Staff Proxy for Voting Member**

Support Staff Present

Ray Clark, The Clark Group
Greg Boike, MGRC Director of Public Administration
Laura Mathis, MGRC Executive Director
Kim Stanton, MGC Executive Assistant

Welcome/Call to Order

Chairman Greg Tapley called the April meeting of the Middle Georgia Clean Air Coalition to order at 4:00 pm and welcomed everyone to the conference call meeting. It was determined that a quorum was present, and the committee was able to conduct business.

Approval of Minutes

There were no corrections to the minutes of the March 10, 2022, meeting; they were unanimously approved on a motion by John Harley and a second Sam Kitchens.

Financial Report

Greg Boike provided the Financial Report beginning March 1, 2022, through March 31, 2022. Revenues included bank interest and member contributions totaling $293.59 and expenditures in the amount of $12,405.00; the ending balance as of March 31, 2022, was $182,239.21.

The Financial Report was unanimously approved on a motion by Eric Wilson and a second by John Harley.

Clark Group Update

- Energy Independence

Ray Clark reported on some energy updates and alternatives that effect crude and petroleum product imports and the US production forecast due to the current Russia events.

- EV's

Ray Clark reported on the New York Auto Show educating consumers about the electric future of Electric Vehicles.

- Smart Growth Initiative

Ray Clark reported on the ongoing projects with the I-75 Central Corridor Coalition to promote smart growth and rail access between Hartsfield and Robins AFB.

Green Team Meeting Update: USDA REPP

Greg Boike reported on some of the USDA funding allocations for the region based on rural criteria qualifications. Ray Clark thanked Renewvia Energy for assistance in providing quotes.

- Twiggs County Project – this project will not move forward.
- Peach County Project – this project will not move forward.
- Culloden Project – this project will move forward.
- Crawford County Project – this project will forward.
- Georgia Tech Project – developing hydrogen-powered battery storage capabilities at solar sites – this project will move forward.

Discussion

Greg Boike reported that the current term of officers ends in June, he will send out an email asking for nominations to be discussed at the May meeting.

DRAFT

Josh Hughes with PSG Energy also introduced himself to the membership and discussed the services that his company can offer, including LED retrofits.

Adjournment

There being no further business, the April MGCAC meeting was adjourned at 4:45 pm.

* * * * *

It was announced that the next meeting of the Middle Georgia Clean Air Coalition will be held on May 12, 2022, at the Middle Georgia Regional Commission.

DRAFT

**Middle Georgia Clean Air Coalition**

**Financial Report**
**As of April 30, 2022**

| | | | |
|---|---|---|---|
| Beginning Balance - March 31, 2022 | | | $ 182,239.21 |
| Revenues | | | |
| Bank Interest dropped from .5% to .01% | $ 1.50 | | |
| Member Contributions | 292.00 | | |
| Total Revenues | | | $ 293.50 |
| Subtotal | | | 182,532.71 |
| Expenditures | | | |
| Ray Clark | 12,775.00 | | |
| food for meeting- American Express | 26.34 | | |
| Total Expenditures | | | 12,801.34 |
| Ending Balance - April 30, 2022 | | | $ 169,731.37 |

**MIDDLE GEORGIA CLEAN AIR COALITION**
**GENERAL FUND**
**PROJECTED FY 2023 REVENUES**

| DESCRIPTION | | AMOUNT |
|---|---|---|
| LOCAL GOVERNMENT MEMBER DUES | $ | 104,635 |
| PRIVATE PARTNER CONTRIBUTIONS | $ | 15,000 |
| I-75 CCC DONATION FOR RAIL PROJECTS | $ | 30,000 |
| BANK INTEREST | $ | 365 |
| *DRAW FROM FUND BALANCE* | *$* | *25,000* |
| TOTAL REVENUE | $ | 175,000 |

**PROJECTED FY 2023 EXPENSES**

| | | |
|---|---|---|
| CLARK GROUP ANNUAL CONTRACT | $ | 75,000 |
| CONSULTING - RAIL/SMART GROWTH (I-75 CCC) | $ | 72,000 |
| CLEAN AIR INCENTIVES GRANTS | $ | 20,000 |
| TRAVEL *(inc. MGCAC Members & Clark Group)* | $ | 7,875 |
| MEETING EXPENSES | $ | 125 |
| TOTAL EXPENSES | $ | 175,000 |

PROPOSED



Ford's F-150 Lightning's frunk stores gear in a secure, dry place. Photo courtesy of Ford

**Axios' Joann Muller** was among the first reporters to test out Ford's new electric F-150 Lightning. Here's some of her reporting from Texas on the test drive and why the truck matters.

**Why it matters:** The Lightning — which is just hitting the market — is more than simply another pickup truck: It's poised to open the floodgates for electric vehicle adoption in the U.S. by showing how much an EV can do.

**The big picture:** Priced just under $40,000, the F-150 Lightning is a versatile and affordable gateway product that can (sometimes) be charged in under an hour.

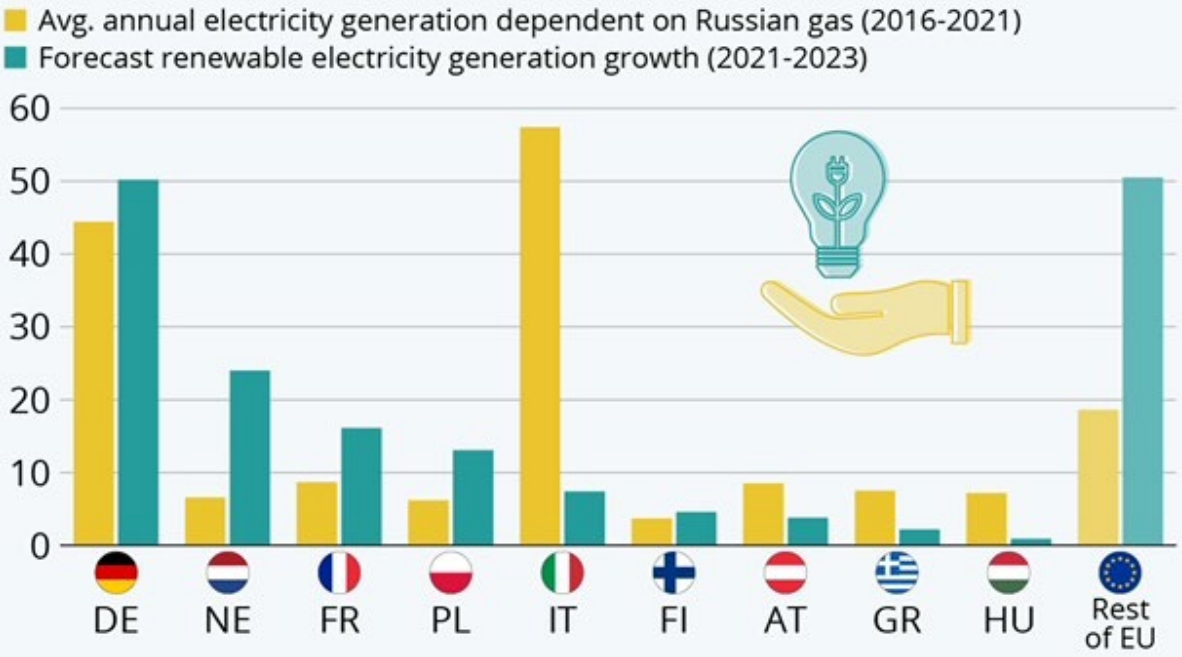
It's a bet-the-company move that, if all goes as planned, will attract buyers who never considered an EV — or a pickup — before.

**Zoom in:** I drove from downtown San Antonio through suburban stop-and-go traffic, then north on I-10 to explore the rolling hills of central Texas and the Singing Water vineyards, where I went off-roading — pretty much every kind of driving scenario you can imagine.

I even used the Lightning to tow a 24-foot electric speedboat — 8,600 pounds, including the trailer — in Hill Country and on the freeway.

# Where Renewables Are Poised to Reduce Russian Gas Dependency

Avg. annual electricity generation using Russian natural gas and forecast renewable generation growth (in TWh)




Source: International Energy Agency

statista

TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Chairman · Greg Tapley Vice-Chair · Ed Barbee

175 Emery Highway, Suite C · Macon, Georgia 31217

www.middlegacleanair.org · 478-751-6160 · 478-751-6517 (Fax)

Dr. Karama Neal, Administrator
Rural Business-Cooperative Service
U.S. Dept. of Agriculture | Rural Development
1400 Independence Avenue, S.W.
Washington, D.C. 20250

Dear Dr. Neal:

For nearly 20 years the Middle Georgia Clean Air Coalition (MGCAC) has been working with rural communities in the region to transform the way we use energy and think about the relationship between clean energy and air quality. As the Rural Energy Community Partnership (RECP) representing Middle Georgia, we look forward to your consideration of this application, which has been prepared by the Middle Georgia Regional Commission, the lead applicant and fiscal agent for our RECP's application.

The Middle Georgia Clean Air Coalition has worked closely with our Congressional delegation over several years and has been able to maintain broad bipartisan support across four different presidential administrations. Our organization has been called "The Holy Grail of the Clean Air Act" by a past Deputy Director of the Environmental Protection Agency (EPA), and our founding Chairman, Ned Sanders, was awarded the Thomas W. Zosel Individual Achievement Award from the EPA in 2019.

In many cases, our individual cities and counties could not have undertaken projects on their own, but by being a part of the MGCAC, they have had the privilege of installing solar projects, installing electric vehicle charging stations, retrofitting HVAC systems, converting to LED lighting and many other projects which have resulted in demonstrably better air quality. We believe that the MGCAC has matured into an organization that has captured the attention of regulatory agencies, Representatives and Senators, and world-class research institutions. Our mayors and county commissioners are prepared to implement pilot projects around the region that can be modeled for rural communities across the country. We have selected several ideas that we believe represent the best of the intent of the Rural Energy Pilot Program.

The Middle Georgia Regional Commission has served as staff and fiscal agent for the MGCAC for more than 10 years. As a regional council of governments and Economic Development District with nearly 60 years of experience in receiving and administering federal grants, the Middle Georgia Regional Commission is the ideal lead applicant to manage this project. Thank you again for your consideration of the enclosed Letter of Intent.

Sincerely,



Gregory V. Tapley
Chairman

Enclosure

Middle Georgia Regional Commission
175 Emery Highway, Suite C ▪ Macon, Georgia 31217 ▪ (478) 751-6160 ▪ FAX (478) 751-6517 ▪ www.middlegeorgiarc.org
John R. Harley, Chairman
Laura M. Mathis, Executive Director

April 19, 2022

Dr. Karama Neal, Administrator
Rural Business-Cooperative Service
U.S. Dept. of Agriculture | Rural Development
1400 Independence Avenue, S.W.
Washington, D.C. 20250

Dear Dr. Neal:

Please accept this Letter of Intent as a demonstration of our intention to submit a complete application for the Rural Energy Pilot Program (REPP) Grant. This Letter of Intent is being submitted by the Middle Georgia Regional Commission (MGRC) as the lead entity for our region's Rural Energy Community Partnership (RECP), known as the Middle Georgia Clean Air Coalition (MGCAC). We appreciate your thoughtful consideration of our Letter of Intent. If you have any questions regarding our application, the primary point of contact is Mr. Greg Boike, Director of Public Administration. He can be reached at 478-722-6945 or via email at gboike@mg-rc.org.

## Section 1: Applicant Information

| | |
|---|---|
| 1. Legal Name of Lead Applicant Entity | **Middle Georgia Regional Commission** |
| 2. DUNS Number | **807554001** |
| 3. Employer Identification Number (EIN) | **58-0964452** |
| 4. SAM Unique Entity ID (UEI) | **TC2DMR3JKZ14** |
| 5. Type of Lead Applicant Entity | **District Organization** |

## Section 2A: Opening Paragraphs

The Middle Georgia Clean Air Coalition (MGCAC) is the Rural Energy Community Partnership (RECP) that will be undertaking the projects proposed by this application. The Middle Georgia Regional Commission is a District Organization that provides staff to a variety of regional planning initiatives, including the MGCAC. As such, the Middle Georgia Regional Commission serves as the fiscal agent for the partnership and is responsible for leading and managing regional efforts to promote clean energy and improve the region's environmental quality. The Middle Georgia Regional Commission is the lead applicant for this project and has its own independent oversight as required by O.C.G.A. § 50-8-34. The Council has approved the application as outlined in this Letter of Intent at the request of the MGCAC.

The Middle Georgia Clean Air Coalition was established in 2003 following the initial recommendation from the Georgia Environmental Protection Division to the U.S. Environmental Protection Agency regarding the designation of two counties (and part of a third) in non-attainment of the National Ambient Air Quality Standards (NAAQS) for 8-Hour Ozone. This was a designation that would directly harm the region's economy and would particularly endanger the standing of Robins Air Force Base under a potential base realignment or closure. The purpose of the MGCAC is to develop a long-term regional response to air quality issues while encouraging economic growth and ensuring the health and economic well-being of residents throughout Middle Georgia. This is reflected in the MGCAC Mission Statement:

*"We will act now to reduce NOx and Ozone in the Middle Georgia Community to ensure that we protect the region's public health, maintain a robust economic growth, and show leadership in environmental sustainability."*

To undertake this mission that is primarily born out of an interest in air quality, a focus on clean energy in the rural communities of Georgia has long been essential to our success. Our region is home to Plant Scherer, located in rural Monroe County. At the time of the region's designation in non-attainment, Plant Scherer was the largest coal-fired power plant in the western hemisphere—a designation held until the closure of one of its four units earlier in 2022. As such, the work of the MGCAC has been critically important to charting a sustainable energy future for nearly 20 years.

The MGCAC governance structure is focused on leadership from local elected officials across the region. This group of 17 individuals vote on the actions of the MGCAC and will guide policy development under the Rural Energy Pilot Program. Each local government's designee is listed in the chart below. Staff members of each local government also frequently attend the monthly MGCAC meetings to stay abreast of the latest trends in energy policy and engage in local actions to support air quality. Local staff members engage with one another on issues of transportation and energy policy and advise the elected officials on opportunities available to the Middle Georgia Clean Air Coalition.

| Elected Officials of the Middle Georgia Clean Air Coalition | |
|---|---|
| Macon-Bibb County | Mayor Lester Miller |
| Houston County | Former Chairman Ned Sanders |
| Crawford County | Chairman John Thomas |
| Jones County | Chairman Chris Weidner |
| Monroe County | Chairman Greg Tapley (MGCAC Chair) |
| Peach County | Commissioner Wade Yoder |
| City of Byron | Councilman Rusty Adams |
| City of Centerville | Mayor John Harley |
| City of Culloden | Mayor Lynn Miller |
| City of Danville | Mayor Tracy Jackson |
| City of Forsyth | Mayor Eric Wilson |
| City of Fort Valley | Mayor Jeffrey Lundy |
| City of Gray | Mayor Ed Barbee |
| City of Jeffersonville | Former Mayor Shannon Hart |
| City of Perry | Mayor Randall Walker |
| City of Roberta | Mayor Jay Andrews |
| City of Warner Robins | Councilman Clifford Holmes |

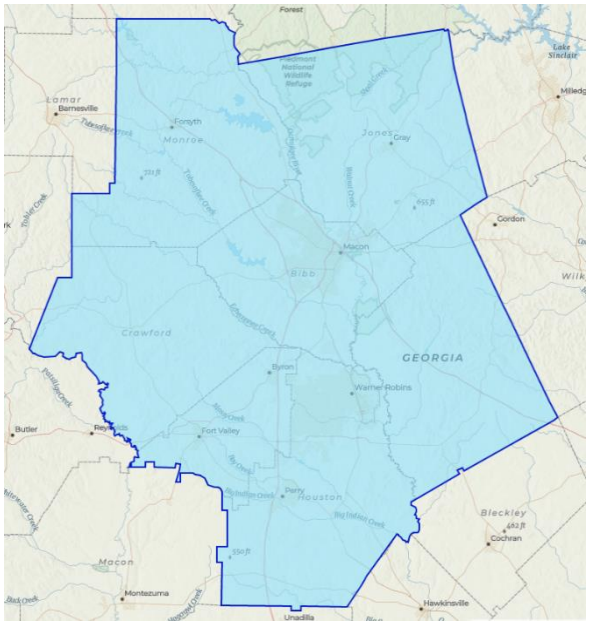
In addition to the elected officials who steer policy decision-making, several private sector members are also contributing donors to the MGCAC mission and regularly attend meetings to share their thoughts. MGCAC meetings also regularly include federal and state representatives, regulatory partners, as well as educational institutions within the region. All of the partners in the list below have been engaged with the Middle Georgia Clean Air Coalition within the past five years.

| Private Sector MGCAC Partnership Members | Public/Non-Profit MGCAC Partnership Members |
|---|---|
| Georgia Power | Senator Jon Ossoff |
| Oglethorpe Power | Senator Raphael Warnock |
| Flint Energies EMC | Congressman Sanford Bishop |
| Atlanta Gas Light | Congressman Austin Scott |
| Blue Bird | Congressman Jody Hice |
| ChargePoint | Robins Air Force Base |
| Cherry Street Energies | 21st Century Partnership |
| Creative Solar USA | Georgia Environmental Protection Division (EPD) |
| Clean Energy Consultants | U.S. Environmental Protection Agency |
| EA Engineering | Macon Transit Authority |
| Energy & Environment, LLC | Macon Water Authority |
| Hannah Solar | Fort Valley State University |
| Norfolk Southern | Mercer University |
| Renewvia Energy | Georgia Tech Research Institute (GTRI) |
| Schneider Electric | Central Georgia Joint Development Authority |
| SanJuly, LLC | Clean Cities – Georgia |
| Total Computer Solutions | Citizens Climate Lobby of Macon, GA |
| | Environment Georgia |
| | Solar CrowdSource |

These partners have a long history of collaboration within Middle Georgia. Georgia Power and Oglethorpe Power worked with the MGCAC to ensure that SO2 scrubbers could be installed at Plant Scherer. The MGCAC and Georgia EPD coordinated with Norfolk Southern to implement a Congestion Mitigation and Air Quality (CMAQ) grant that converted old locomotives to significantly cleaner Mother-Slug sets for use in Brosnan Yard, one of Norfolk Southern's largest rail classification yards on the eastern seaboard. More recently, the Macon Transit Authority worked with MGCAC members on preparing an FTA Low or No Emissions Vehicle Grant. Finally, in 2021, the flagship project of the MGCAC came in line with the partnership of Georgia Power, Robins Air Force Base, the Middle Georgia Regional Commission, and the Central Georgia Joint Development Authority. This project included the creation of a 128 $MW_{AC}$ utility-scale solar installation in a rural area on encroachment lands north of the runway at Robins Air Force Base.

In summary, the MGCAC has an incredibly long history of successful partnership and collaboration. Georgia Power and Georgia Tech are two of the primary partners that the MGCAC will engage to bring this scope of work to fruition, but the entire resources of the Middle Georgia Regional Commission and MGCAC will be available to ensure that this project meets the successful standards of our previous collaborative projects.

## Section 2B: Executive Summary




The Middle Georgia Regional Commission is requesting $2 million in grant funding from the USDA Rural Energy Pilot Program to support projects of the Middle Georgia Clean Air Coalition, a regional Rural Energy Community Partnership (RECP). The major focus of this grant request will be for the **Rural Community Solar Generation and Battery Storage Demonstration Initiative.** The Middle Georgia region is one of the more economically distressed regions of the United States and particularly suffers from high levels of poverty and a declining population in most of the region's rural areas. The project areas will be focused primarily on the footprint of the Middle Georgia Clean Air Coalition partnership as shown in the map, at right. Some portions of Houston County, Jones County, Macon-Bibb County, and Peach County do not meet the USDA definitions of rural communities eligible for funding under this program. As such, funding will be directed to energy efficiency and new distributed renewable energy projects that are solely located within the eligible rural areas under this grant. With that said, some minor spillover benefits may be seen in the surrounding urban areas as a result of capacity building work and overall growth in the regional economy. However, these benefits are expected to be far greater within the urban areas of the region. Additional information about the economic distress of the region can be seen in the statement of need for this application.

The scope of work for this project focuses primarily on the installation of new solar power generation capacity in two rural communities of Middle Georgia and is matched with extensive support from partnering entities around the region and state that will be able to deploy effective battery storage technologies while modeling new battery storage technologies that can be effectively scaled to benefit other rural communities around the State of Georgia and the nation at the conclusion of this pilot program. This project is expected to have benefits that can be built upon for future applications, including in the agriculture and defense industries. Furthermore, the installation of new community scale solar installations builds upon the existing scope of work for the Middle Georgia Clean Air Coalition. However, the flagship project of this application, the **Rural Community Solar Generation and Battery Storage Demonstration Initiative** stands on its own as a separate and discrete project.

The main project to be funded for Middle Georgia is known as the **Rural Community Solar Generation and Battery Storage Demonstration Initiative.** Under this umbrella, a total of at least $1.6 million in grant funding will be made available to support the installation of new power generation and storage capacity. These projects will be modeled in two different rural Middle Georgia communities: the City of Culloden and Crawford County. Both of these communities have needs to add resiliency into their power systems and have interest in transitioning parts of their operations to renewable energy and away from fossil fuels and other non-renewable resources.

A portion of this funding, estimated at approximately $600,000 will be directly used for installation of solar photovoltaic distributed renewable energy. Initial cost estimates show that this will allow for at least 50 kW of energy generation to occur at each site to be coupled with a small amount of conventional battery storage. These solar installations will support existing essential local government operations across several sites and can help with the electricity to power future vehicle fleets. The remainder of this funding will be used in partnership with the Georgia Tech Research Institute (GTRI) to support the integration of renewable energy technologies for rural community infrastructure, the development of innovative battery storage systems, and modeling of infrastructure needs and resources to optimize asset allocations. As would be appropriate for a pilot program of this sort, the work of GTRI will focus on testing various technologies for battery storage in a way that benefits the communities of Culloden and Crawford County while also working to scale up new technologies for future applications in rural and agricultural settings. In doing so, this project will support the development of new innovations that can support the economy of rural Middle Georgia.

In addition to the main flagship project described above, the RECP is seeking to use 20 percent of grant funding for capacity building, technical assistance, and community energy efficiency work. Within the arena of capacity building, the Middle Georgia Regional Commission intends to make up to $300,000 available to the Georgia Tech Research Institute (GTRI) to support their work developing the renewable energy workforce that is rapidly changing within the State of Georgia, but which is often leaving rural areas behind. Specifically, GTRI intends to engage with students from rural areas and/or working in rural areas to ensure that they are receiving proper training and education to meet future needs. This capacity building funding for GTRI will also be able to support their research work and staff that will be developing and testing various technologies as part of the larger demonstration project of this grant. The remaining $100,000 of the soft costs eligible under the grant will support technical assistance and energy efficiency work managed by the Middle Georgia Regional Commission on behalf of the MGCAC. Technical assistance funding will go toward the MGCAC project manager's work to discuss individual energy needs with each rural community. Funding for energy efficiency and weatherization can be supplemented with local funding to make tangible improvements that reduce energy costs at a smaller scale. This is in line with an existing policy of the MGCAC that provides up to $5,000 to local governments who undertake projects to improve their own energy efficiency or convert part of their operations from diesel or gasoline powered engines to electric motors.

All funding for this program will be received and managed by the Middle Georgia Regional Commission. MGRC will work to develop and draft an executed Partnership Agreement prior to the July 2022 full application deadline. This agreement structure will allow funding to pass through from the Middle Georgia Regional Commission to the three other units of government that are participating in this project. In doing so, the City of Culloden and Crawford County will both be able to own and manage the infrastructure that is being installed on their property. However, the Middle Georgia Regional Commission will be able to continue accepting responsibility for the provision of technical assistance to communities throughout the region. As the fiscal agent for the funding, MGRC will also be responsible for managing the grant funds, which will lessen the administrative burdens on the local communities. This is the advantage of leveraging a regional partnership, as it allows rural communities to take advantage of opportunities they might not otherwise be able to support from either a financial or a technical standpoint.

The Middle Georgia REPP Grant has several proposed objectives, which are detailed further on in the application. These objectives include:

- Install new solar power generation capacity.
- Install new battery storage capacity.
- Decrease downtime for essential services due to power loss.
- Reduce costs of utility service for public entities.
- Reduce $CO_2$ and emissions of atmospheric pollutants.
- Develop new energy technologies that can support future development.
- Improve the economic well-being of the region at large.

The budget of sources and uses for this proposal is included in chart below. Minor budget amendments may be proposed between this version and the final application submitted in July 2022. However, no changes to the top line budget numbers will occur.

| Source of Funding | Funding Amount | Use of Funds |
|---|---|---|
| *USDA REPP Grant* | *$70,000.00* | *MGCAC funds to support community energy efficiency.* |
| *USDA REPP Grant* | *$30,000.00* | *MGCAC funds for energy planning technical assistance.* |
| **USDA REPP Grant** | **$300,000.00** | **Development of 50KW solar capacity in the City of Culloden.** |
| **USDA REPP Grant** | **$300,000.00** | **Development of 50KW solar capacity in Crawford County.** |
| **USDA REPP Grant** | **$1,000,000.00** | **GTRI battery storage and DER system integration modeling** |
| *USDA REPP Grant* | *$300,000.00* | *GTRI capacity building to support workforce and research costs.* |
| GTRI (Matching) | $500,000.00 | GTRI match including in-kind as well as materials and equipment. |

*Grant funds used among the allowable 20% of costs for soft costs and planning work shown in *italics.*
*Grant funds used for distributed energy construction and equipment costs are shown in **bold.**

The Georgia Tech Research Institute (GTRI) plans to contribute cost share in the form of staff and research faculty salaries, labor for student assistants, and materials and equipment. The GTRI Energy & Sustainability program in partnership with the GT Strategic Energy Institute, the Innovation Center for Research in Energy Systems and Technologies, the GT Center for Distributed Energy, and the STEM@GTRI department look forward to supporting rural Georgians and the USDA. The exact breakdown of matching funds between in-kind services and tangible material and equipment costs cannot be known until the State of Georgia officially begins its new fiscal year on July 1, 2022, but GTRI has the intention to cover these costs.

The Middle Georgia Regional Commission and its project partners across the MGCAC partnership recognize that a 36-month time period exists for implementation of the project. This is expected to be easily attainable for the membership. Work within the first year would primarily focus on the installation of the various solar power generation facilities in the City of Culloden and in Crawford County. Work in years 2-3 would include more of a focus with GTRI on the development, modeling, and scaling of battery storage technologies, including the potential to focus on hydrogen power generation technologies. Years 2-3 would also include a focus on expending energy efficiency and weatherization funding across the rural communities of the Middle Georgia region.