TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

MIDDLE GEORGIA CLEAN AIR COALITION

Thursday, April 14, 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 Mar. Minutes	Greg Tapley, Chair
4:05	March Financial Report	Greg Boike
4:10	Clark Group Report ▪ Energy Independence ▪ EVs ▪ Smart Growth Initiative	Ray Clark
4:20	USDA REPP Grant ▪ Twiggs County Project ▪ Peach County Project ▪ Culloden Project ▪ Crawford County Project ▪ Georgia Tech Project ▪ Energy Efficiency and Capacity Building	Greg Boike & Ray Clark
4:40	Discussion	MGCAC Members
5:00	Adjournment	Greg Tapley, Chair

Next Meeting – Thursday, May 12, 2022, at 4:00 p.m.
Middle Georgia Regional Commission

MEETING MINUTES
MIDDLE GEORGIA CLEAN AIR COALITION
REGULAR MEETING
Thursday, March 10, 2022, 4:00 pm
Middle Georgia Regional Commission

DRAFT

Executive Board Members Present:

Chairman Greg Tapley, Monroe County*****
Mayor Ed Barbee, City of Gray*
Mayor John Harley, City of Centerville*
Commissioner Sam Kitchens, Jones County*
Mayor Eric Wilson, City of Forsyth*
Councilman Clifford Holmes, City of Warner Robins*
Former Chairman Ned Sanders, Houston County *

Other Local Officials, Staff, and Stakeholders Present:

Henry Ficklin, Macon-Bibb County*
Shavonda Hill, Field Representative for Congressman Sanford Bishop
Sheknita Davis - Field Representative for Senator Raphael Warnock
Michelle Delaney - Field Representative for Representative Austin Scott
Tamara Smith-Hayes, Georgia EPD
Bill Mulkey, City of Warner Robins
Mike Greenwald, Macon-Bibb Planning and Zoning
Bryan Jones, Robins AFB
Michael Collins, Total Computer Solutions
Tommy Bruhn, EA Engineering

***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 March 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 February 10, 2022, meeting; they were unanimously approved on a motion by Clifford Holmes and a second Ed Barbee.

Financial Report

Greg Boike provided the Financial Report beginning February 1, 2022, through February 28, 2022. Revenues included bank interest and member contributions totaling $293.55 and expenditures in the amount of $12,709.00; the ending balance as of February 28, 2022, was $194,350.62. The Financial Reports were unanimously approved on a motion by Ned Sanders and a second by Eric Wilson. The ending balance reflects a corrected balance since the January meeting.

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.

Green Team Meeting Update: USDA REPP

Ray Clark reported on the proposed USDA REPP projects in Twiggs County, City of Culloden, and Peach County and a grant opportunity which would offer assistance to Rural Energy Community Partnerships to develop renewable energy to meet the nation's energy needs.

Greg Boike reported that in hopes of leveraging the appropriate funding from each group, he is proposing that the MGRC submit one grant application for the region

After further discussion, the coalition agreed to request that MGRC to be the fiscal agent for the MGCAC grant. The grant opportunity was approved on a motion by Eric Wilson and a second by Clifford Holmes.

I-75 Corridor Update

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. Clayton County will also join the I-75 Central Corridor Coalition.

Ray Clark reported that Senator Ossoff's office has been working toward rail appropriations.

The MGCAC has two letters asking the middle Georgia elected officials to sign to send to the Governor supporting passenger rail on behalf of the MGCAC and I-75 Corridor Coalition.

Adjournment

There being no further business, the March MGCAC meeting was adjourned at 4:55 pm.

* * * * *

It was announced that the next meeting of the Middle Georgia Clean Air Coalition will be held on April 14, 2022, at the Middle Georgia Regional Commission.

DRAFT

Middle Georgia Clean Air Coalition

Financial Report
As of March 31, 2022

Beginning Balance - February 28, 2022		$ 194,350.62
Revenues		
Bank Interest dropped from .5% to .01%	$ 1.59	
Member Contributions	292.00	
Total Revenues		$ 293.59
Subtotal		194,644.21
Expenditures		
Ray Clark	$ 12,405.00	
Total Expenditures		12,405.00
Ending Balance - March 31, 2022		$ 182,239.21

RENEWVIA ENERGY



Prepared for:

Culloden City Hall

System Size

50 kW

w/ 30 kWh battery

& 1 EV charging ports



Summary

The following details are based on a proposed solar array for the City Hall of the town of Culloden, Georgia, as well as a battery bank and 1 EV charging stations. Given the power needs of the city, a 50kW design can be installed, and with the inclusion of a 30 kWh battery bank, would offset a significant percentage of the city's power consumption and enable Culloden to be largely independent from the grid. In addition to the savings in energy costs this would provide Culloden, an estimated 46.4 tons of carbon emissions would be avoided each year, and an estimated 1,160 tons of carbon emissions could be avoided over the 25 year lifetime of the solar array.

Gross System Cost:
$300,000

Yearly Carbon Emission Avoidance:
46.4 tons

25 Year Carbon Emission Avoidance:
1,160 tons

Project Summary

EXISTING CONDITIONS

Current Utility Company

Georgia Power Co

SOLAR PROJECT CONDITIONS

Project Life

25 years

System Size

50 kW w/ 30 kWh of battery

Annual Production

70,050 kWh

25 year Production

1,650,094 kWh

RENEWVIA ENERGY

-City of Culloden, Georgia-

50 kW solar array w/ 30 kWh battery & 1 EV charging stations

We are pleased to propose a 50 kW solar installation with a 30 kWh battery bank as well as 1 EV charging station for the city of Culloden, Georgia. This installation has the option to be ground or roof mounted, or a combination of both, and with the additional 30 kWh of battery storage installed will provide the city with enough power to offset a significant portion of its power consumption needs. The annual energy production of the array is projected to be in the range of 70,000 kWh, and should continue to operate with similar efficiency for an estimated 25 year lifetime. The total system cost is $300,000, however, this is only the sum prior to factoring in the incurred energy savings this array will provide the city of Culloden.

Additionally, this array will significantly reduce the overall carbon footprint for the city of Culloden. With this array size, it is estimated that the city of Culloden can avoid approximately 46.4 tons of its yearly carbon emissions, totaling approximately 1,160 tons over a 25-year period. With this 50 kW solar array and the storage support from the proposed 30 kWh battery bank, the city of Culloden will have enough generation capacity to be largely independent from the grid.

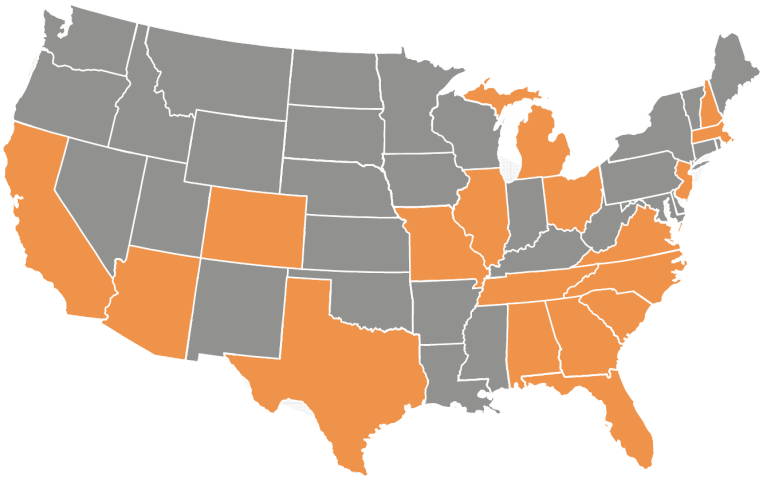
RENEWVIA ENERGY

THE RENEWVIA STORY

QUALIFICATIONS

Renewvia provides a full breadth of solar services from design and engineering to procurement and construction. We design, build, and own systems that are unique to our customers needs. Our solar energy solution services include:

- Turnkey system design utilizing our experienced in-house engineering team
- A full suite of construction management resources with a network of experienced and qualified electrical contractors
- Over a decade of established construction execution
- A fortified operations and maintenance program with multiple tiers of service offerings
- Financing options as well as a network of financing partners to find the best solution tailored to our clients financial needs



Mechanically Attached





Ballasted Racking System

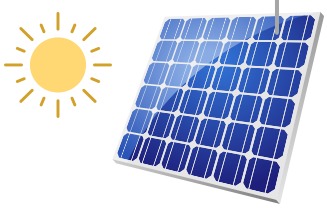


Active nationwide, Renewvia has dealt with many different geographies across multiple industries and we have found that solar can work anywhere. We have successfully executed over 75 MW of custom solar solutions on all roof types, while keeping all existing warranties intact.

HOW DOES NET METERING ALLOWS EXCESS SOLAR ENERGY TO BE EXPORTED BACK TO THE GRID?

SOLAR PANELS

convert the energy from the sun into Direct Current (DC) electricity



DC AC

THE INVERTERS

convert DC electricity into Alternating Current (AC) electricity

THE ELECTRICITY

generated powers your business first with the excess generation sent to the distribution grid

MONITORING

systems measure how much electricity you've used and how much excess generation is sent back to the grid

404-856-4380 ext. 2
info@renewvia.com

www.renewvia.com

1425 Mayson Street NE
Atlanta, GA 30324

RENEWVIA ENERGY

PORTFOLIO OVERVIEW

DOMESTIC PORTFOLIO OF RECENT PROJECTS

Best of all - the math works.

After rebates, customers can expect a payback time of 4-5 years and ROIs of up to 16%-22% depending on utility escalation rates. Renewvia has completed projects in a wide range of industries across the United States between rooftops, ground mounts, and canopies.



AUTOMOTIVE
1.06 MW in GRAND PRAIRIE, TX
1,638 tons of annual carbon offset



COLD STORAGE
302 kW in MACON, GA
258 tons of annual carbon offset



MANUFACTURING
1.0 MW in NASHUA, NH
2,611 tons of annual carbon offset



COMMERCIAL OFFICE
1.2 MW in CHICAGO, IL
2,863 tons of annual carbon offset



MULTI-FAMILY
287 kW in SUMMIT, AZ
Over $900,000 property value increase



AGRICULTURE
1.0 MW in DONALSONVILLE, GA
1,024 tons of annual carbon offset

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RENEWVIA ENERGY

Renewvia Energy Corporation provides a full breadth of solar services from design and engineering to procurement and construction. We design, build, own, and maintain systems that are unique to our customers needs.

Our solar energy solution services include, but are not limited to:

- Turnkey system design utilizing our experienced in-house engineering team
- A full suite of construction management resources with a network of experienced and qualified electrical contractors
- Over a decade of established construction execution
- A fortified operations and maintenance program with multiple tiers of service offerings
- Financing options as well as a network of financing partners to find the best solution tailored to our clients financial needs

Whether you are an owner looking to invest, or a third party interested in pricing and budgeting the cost of a solar endeavor, Renewvia has the experience and knowledge to help you determine a solution that is best for you or your client.

Active all over the United States across multiple industries, no project is too large or too small for our offerings. We outfit everything from:

- Buildings as small as 5,000 sf with 50kW systems,
- Industrial warehouses over 100,000 sf with multi-megawatt systems,
- Solar farms with ground mounts of all sizes,
- Solar canopies that cover individual parking spaces and whole lots,
- and everything in between.



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