



Addendum
to Path Forward Letter
EPA Advance Program

January 2016

Overview

On February 5, 2015, the Middle Georgia Clean Air Coalition Board voted to submit the Path Forward Letter to the US Environmental Protection Agency as part of the Ozone and PM 2.5 Advance Program. That letter, along with the accompanying Strategy and Action Plan, detailed the Middle Georgia region's plan for taking voluntary action to improve air quality. The vote to submit passed unanimously, with over 70 percent of the local governments present at the meeting. The overwhelming support of making these commitments has been equaled only in the members' willingness to act on those commitments in the time since the plans adoption.

The purpose of this addendum is to address the actions taken by the Middle Georgia Clean Air Coalition to implement the Path Forward since its adoption in early 2015. Over the past nine months, the Coalition has collectively taken action to further the goals of the Path Forward. Additionally, the individual members have implemented portions of the plan that were the most appropriate for their communities. Through the collaboration of the members and the organization as a whole, the implementation of the Path Forward is advancing at an impressive rate. This pace is expected to continue as the Coalition finds new and innovative ways of improving air quality in the Middle Georgia region.

Review of Commitments

The commitments discussed in the Path Forward were grouped into eight goals, which are listed below with specific action items:

Goal 1 – Implementation of Strategies through Private Action

- Provide access to understanding the sources of ozone and the consequences through speakers, literature, and websites.
- Provide a control strategy toolbox that is available to all citizens, businesses, and local government
- Develop a “Clean Air Force” that all citizens, businesses and governments can join by committing to actions that reduce the precursors to ozone.
- Publish newsletters and alerts to the Clean Air Force.
- Publish Op-eds in newspapers twice a year on the status of our Path Forward.

Goal 2 – Use Environmentally Sound Practices in our Daily Business

- Each city and county will conduct a review of its operations and maintenance and develop a plan to reduce NO_x and ozone producing chemicals.
- Each landfill will be assessed for the potential to capture gas.
- Each city and county in the region will conduct Energy Audits in all city and county buildings.
- Replace maintenance and operations equipment with high efficiency equipment wherever there is a payback of less than 36 months.
- Review city and county procurement practices for equipment that uses fuels, like lawnmowers, automobiles, and backup energy generators. Provide recommendations to the MGCAC after completion of review.
- With mobile source emissions comprising 22 percent of the NO_x emissions in Middle Georgia there is a need to reduce mobile source emissions through the increased use of alternative fueled vehicles for clean air. The planning officials of each city and county within the MGCAC will, as a group, coordinate with GA DOT to support their assessment survey of current commuter behavior in Middle Georgia and develop a survey to gather information for the design of several commuter programs for the region and select, major employers.
- Develop procurement policy that favors contractors who use reduced NO_x equipment.

- The MGCAC will provide technical assistance on all the above initiatives and will send a questionnaire to each member to determine how much assistance they will need.
- The MGCAC will provide an overall audit of opportunities in the energy efficiency, lighting and renewable energy potential.
- Each city and county will provide department heads an energy efficiency target to meet over the next five years.

Goal 3 – Promote and Implement Smart Growth and Sustainable Communities Principles

- MGCAC will offer to help review and update all applicable local and regional planning documents to ensure consistency with Smart Growth/Sustainable Communities principles, policies and best practices. Updates will be performed in accordance with timelines established by the Georgia Department of Community Affairs (DCA) Office of Planning and Environmental Management. Applicable documents include local Comprehensive Plans and corresponding Community Work Programs, the Middle Georgia Regional Plan and the Middle Georgia Regionally Important Resources (RIR) Plan.
- Promote and implement the appropriate Smart Growth/Sustainable Communities activities identified in local and regional planning documents; investment in infrastructure improvements, development of alternative transportation facilities, land dedicated for parks, recreation areas and conservation uses, transportation and land use alignment.
- MGCAC will request all members actively participate in the annual update of the Comprehensive Economic Development Strategy (CEDS) for the Middle Georgia Economic Development District ensuring identified strategies are consistent with Smart Growth/Sustainable Communities principles.

Goal 4 – Develop a Toolkit of Reduction Strategies

- Develop a website that will include actions that can be taken by businesses and citizens
- Provide a request form that businesses and citizens can seek speakers, literature and a sign for their window that says “I am a Member of the MGCAC Clean Air Force”
- Clean Air talking points that can help frame discussions about Clean Air and explain to community members, businesses, and residents the goals and

importance of the program. The talking points can also be used when structuring and facilitating outreach for and to the media.

- A draft letter to businesses to solicit MGCAC participation inviting them to participate and support the MGCAC.
- A sample insert card for municipal mailings that can be added to weekly, monthly, or other patterned municipal mailings to encourage recipients to take part in MGCAC. The card is self-addressed to MGCAC, where interested parties will be guided on how to begin their participation.
- Drop-in articles that can be added, at local discretion, to municipal websites, newsletters and other communication mediums to encourage community members to adopt MGCAC strategies.
- Sample press releases.
- Sample ordinances.
- Case studies.
- Adopt recognition letters, certificate templates, and award plaques to recognize and honor those that participate in and adopt MGCAC strategies.
- Sample resolution for businesses.

Goal 5 – Obtain Resources to Take Action

- Develop Public-Private Partnerships. There are many new instruments available to cities and counties since we initiated the MGCAC. There are many private companies that will use their capital to undertake energy efficiency projects, which is recovered through efficiency retrofits.
- Leverage resources within the MGCAC. Finding a balance in the ability and expertise of MGCAC members and partners with the resources available to implement the actions with the greatest potential for emissions reduction is one certain challenge for decision makers.
- Develop a sponsorship category within the membership of the MGCAC. The education and information provided through the Clean Air Coalition is enormously useful to private organizations. Over the last 10 years, many companies have attended the MGCAC meetings regularly and have benefited from these meetings.
- Seek federal and state grants. Although federal and state grants have become more competitive with fewer resources available, there are still important and targeted grants that can have an impact. MGCAC should seek out those that have

a high likelihood of success, have a good return on investment of time, and will make a positive contribution to air quality.

- MGCAC will invite five corporate sponsors to be members of the MGCAC.

Goal 6 – Develop a Signature Project

- Partner with the business community and pursue development of at least one major renewable energy project that will decrease demand of conventional power.

Goal 7 – Develop Public-Private Partnerships to Achieve Goals

- Ask five companies to become corporate sponsors of the MGCAC organization.
- Partner with companies to assist the members of the MGCAC in analyzing opportunities to increase efficiencies in operations at no cost to the city or county.
- Develop toolkits for elected officials that will show methods and return on investments in clean technologies.
- The MGCAC will reach out to private industry and their associations to determine new public/private partnerships that can reach public goals.
- Devote a MGCAC meeting to private companies, briefing on ways they can help achieve the clean air goals of the region.
- Each city and county elected board will be briefed on opportunities, return on investment, and the impacts of such investment.
- Devote a MGCAC meeting to case studies of fleet conversions to natural gas with a complete analysis of the costs and return on investment.
- Host a small business day to brief local businesses on the work of the MGCAC and the opportunities for small business to increase efficiencies and support clean air initiatives in Middle Georgia.
- Develop a branded MGCAC sign to place in storefronts about idling.
- Working with private businesses and school boards in the region, develop a plan for funding conversion of school buses to cleaner fuels.

Goal 8 – Monitor the Effectiveness of Actions

No strategy is successful without knowledge of what is working, what needs to be modified, and identification of actions necessary to achieve targeted goals. Monitoring and assessment will be on-going and continuous, with documents such as this addendum being developed on a regular basis to communicate successes and lessons-learned to EPA, our elected officials, and the general public.

MGCAC Actions on Path Forward Letter and Strategy Document

Organizational Action

The Middle Georgia Clean Air Coalition and its member governments have taken many actions to honor commitments and implement the Path Forward Letter and Strategy Document since adoption in February 2015.

Implementation of Strategies Through Private Action

Over the past few months, the MGCAC has worked with Georgia Power and Flint Energies EMC to introduce both organizations' LED lighting initiatives to member governments. As detailed below, a number of the local governments have taken the first steps in retrofitting roadway and other lighting to LED.

Pursuit of the LED initiative falls under the goal of "Use Environmentally Sound Practices in our Daily Business." Additional action items completed in accordance with that goal include an assessment of the regional landfills for the potential to capture methane gas. Using the EPA's Landfill Methane Outreach Program, it was determined that the two landfills in the region with capacity to collect gas (Macon-Bibb County's Swift Creek Environmental Landfill and Houston County's Solid Waste Disposal Facility) have implemented methane capture.



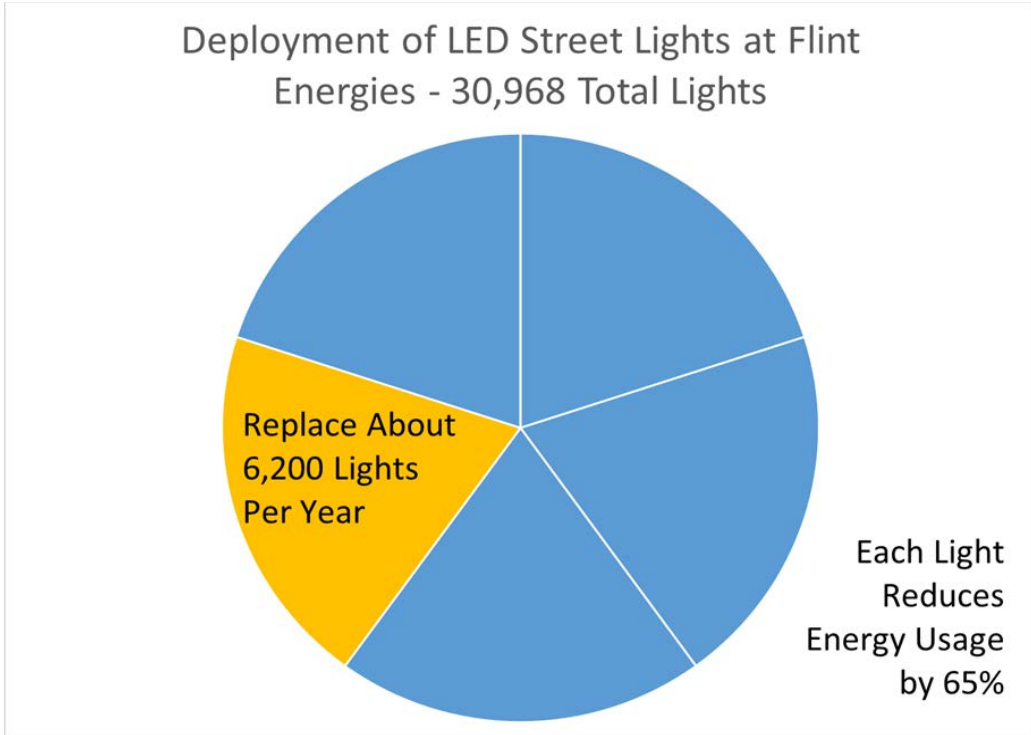
The MGCAC maintains a web site that contains educational material about the causes and effects of ground level ozone. It contains a toolbox of actions citizens and businesses can take to reduce ozone. If citizens or businesses commit to taking certain actions and signing a pledge they become members of the MGCAC “Clean Air Force” and display the logo on their businesses.

<http://www.middlegacleanair.org>

Flint Energies EMC

In addition to the projects mentioned above where Flint Energies has been a partner with numerous local governments, Flint Energies has undertaken numerous projects in and around the Middle Georgia region which further the goals of the Coalition. Of particular importance for energy-use reduction and clean energy generation is the implementation of the Smart Select Load Management program, which is a voluntary program designed to reduce peak electric demand during summer months by attaching a load control switch to HVAC units and water pumps. Flint Energies refunded approximately \$345,800 in cost savings to members over the summer 2015 period. Concurrently, the organization has worked with Southern Company and other private entities to construct a number of solar facilities in nearby Taylor County, which will produce more than a combined 300 megawatts of clean energy beginning in early 2016. This represents the largest solar project in the State of Georgia, and energy produced by these facilities will serve Middle Georgia residents, off-setting coal-fueled power generated at other facilities.

Over its 17-county service area. Flint services 30,968 street lights and security lights which are leased to members for a single monthly fee. Flint has committed to a complete retrofit to LED over the course of five years.



Oglethorpe Power and Southern Company

Investments made by these two companies, members of the Middle Georgia Clean Air Coalition, at the Plant Scherer coal-powered electricity generation facility in Juliette, Georgia, have served to reduce NO_x and PM 2.5 emissions greatly. Over the past five years, Oglethorpe Power and Southern Company, in coordination with other ownership partners at Plant Scherer, have invested over \$2.5 billion on environmental construction projects, including scrubbers, selective catalyst reduction systems (SCRs), baghouses, and other technologies. Overall, the plant produces 3,600 megawatts of electricity, enough to power approximately 1.5 million homes.



Units 1 – 4 Selective Catalytic Reduction systems



Selective Catalytic Reduction system support steel



Flue Gas Desulfurization systems

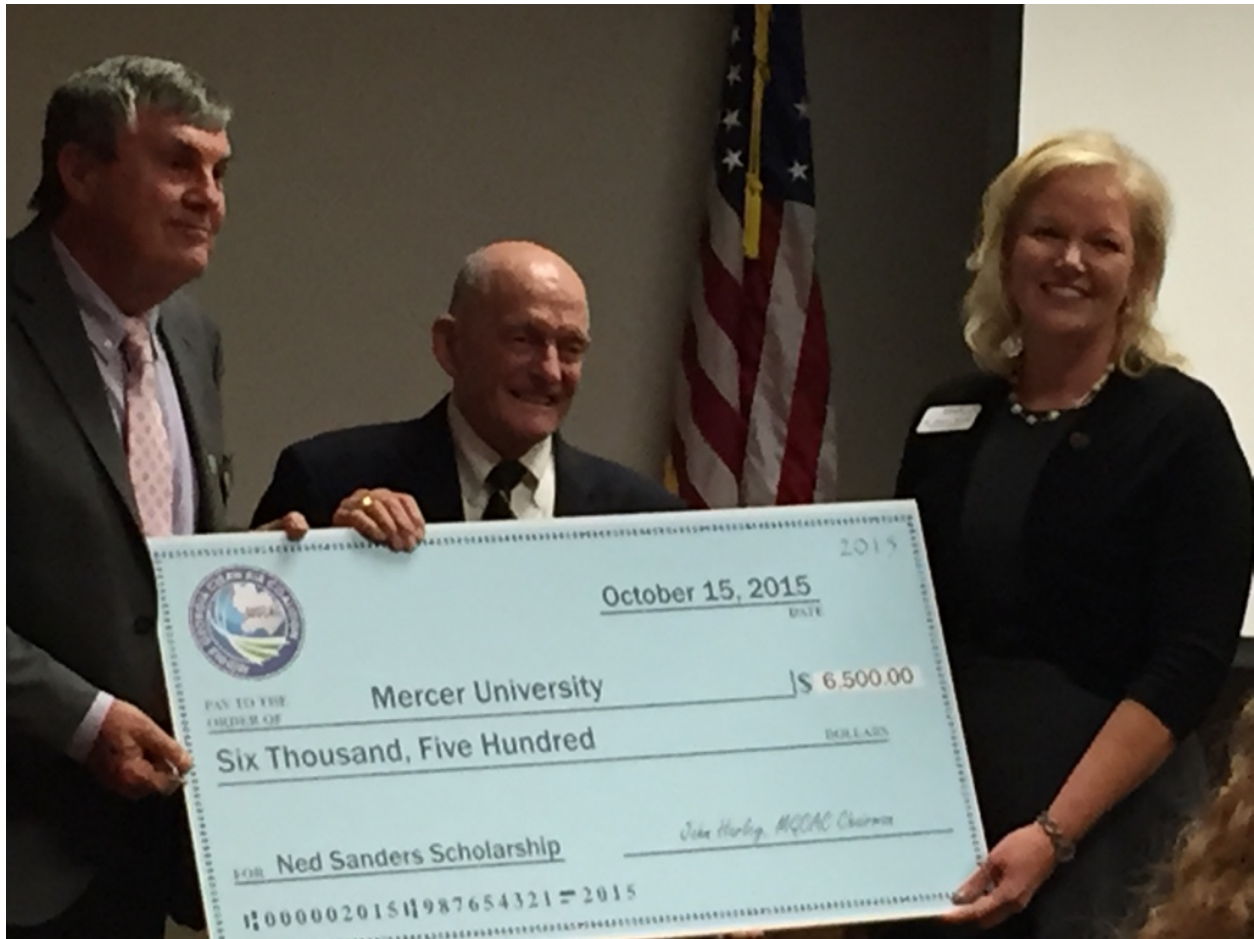
The Macon Telegraph has been a good partner in our efforts. They have published alerts and reported on the actions being taken by the MGCAC. Ned Sanders has published an op-ed in the Telegraph about the work of the MGCAC.

<http://www.macon.com/opinion/editorials/article39013071.html>

Through these efforts, we have added new and influential members to the MGCAC. Over the course of 2015 the Macon Water Authority, Mercer University, and the Central Georgia Branch of the U.S. Green Building Council have joined the MGCAC.

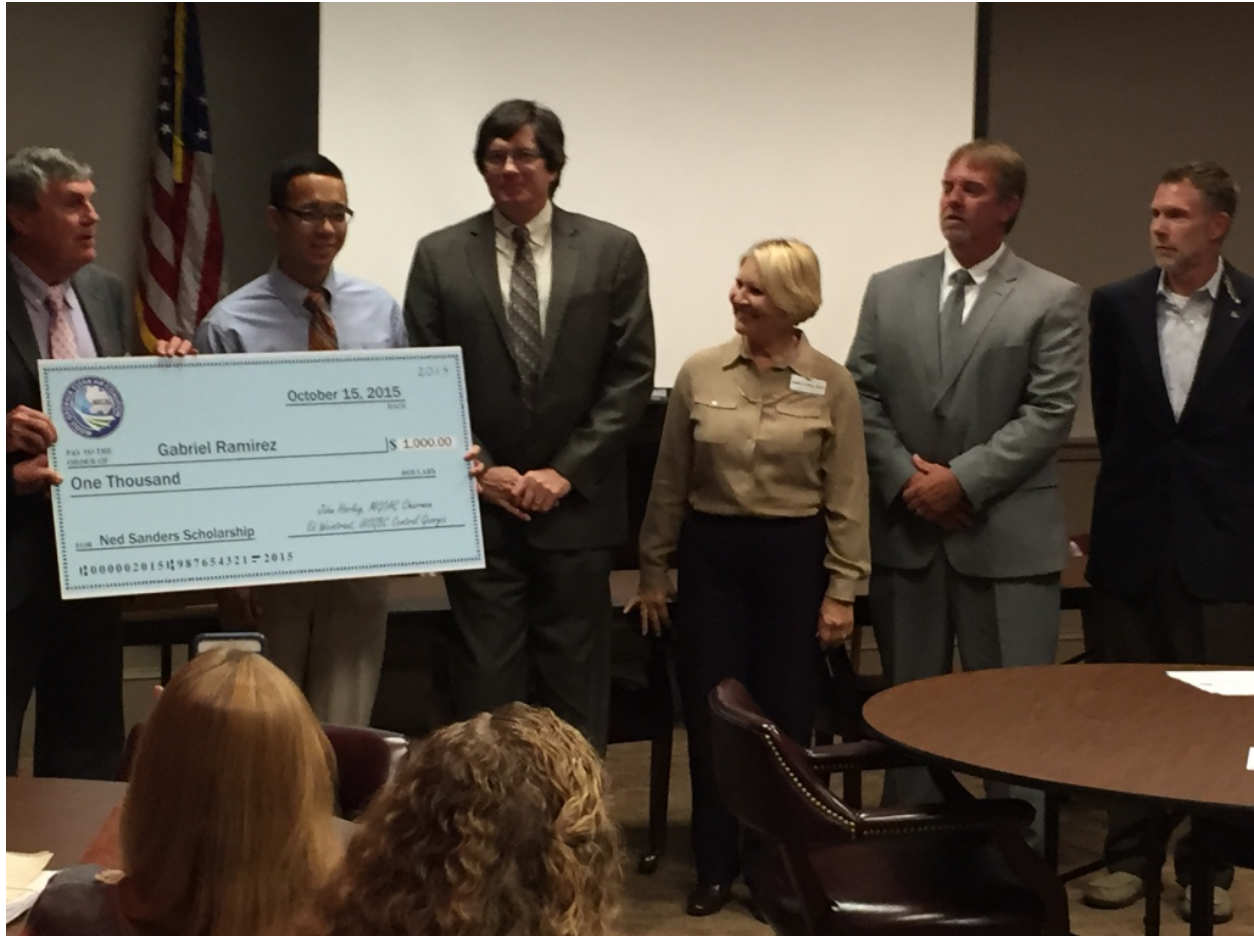
Organizationally, the MGCAC initiated sponsorship of a scholarship at Mercer University. The Ned Sanders Scholarship Fund was founded in the summer of 2015. The fund is named in honor of Mr. Ned Sanders, who is a former Chairman of the Houston County Board of Commissioners, and has served multiple tenures as Chairman of the MGCAC. To commemorate his tenure as Chairman and his accomplishments and dedication to the MGCAC, other members of the Coalition honored him with the scholarship fund. Donations from individual elected officials and representatives of other member organizations provided a robust base for the fund, and a very generous \$5,000 donation from the Central Georgia Branch of the

U.S. Green Building Council will provide funding for the scholarship for many years.



Mayor John Harley, Chairman of the MGCAC, Ned Sanders, and Dr. Penny Elkins, Senior Vice-President of Mercer University

The partnership between Mercer University and the MGCAC seeks to give a scholarship of \$1,000 to a student studying clean energy in Mercer's College of Engineering. The first recipient of the scholarship was Gabriel Ramirez, who has worked on projects focusing on solar power. This effort of collaboration resulted in Mercer University announcing at the presentation ceremony that they would join the MGCAC as a dues-paying member.



Additionally, the Air Quality Committee of the MGCAC has heard a number of presentations from vendors and other groups about the potential for each city and county, or a group of the local governments, to take action on specific portions of the Path Forward Plan. Consensus Energy representatives discussed opportunities for conducting building-level energy audits. The group presented different proposals as to how communities may take advantage of their services. A representative from Philips presented options on parking light and other municipal lighting conversion to LED. While the Georgia Power and Flint Energies programs focus on leased lighting, the presentation from Philips gave communities an option to retrofit municipally-owned lights.



Macon Mayor Robert Reichert (far right) and State Representative Nikki Randall (far left) celebrate the complete conversion of the city's parking garages to LED. Now the city has set its sights on other improvements to public buildings, with the hope of earning EPA's ENERGY STAR in the process.

Finally, a major avenue of organizational outreach over the past nine months has included the introduction of speakers to each meeting of the Coalition. Representatives from Georgia Power have spoken twice concerning their LED Roadway Lighting Program. Additionally, Anthony McCorvey, Project Manager for Georgia Power, spoke to the Coalition on the Georgia Power Solar Program and various ways that organizations and individuals can take advantage of Georgia's recently-passed Solar Power Free-Market Financing Act. Another speaker came from the group "Mothers and Others for Clean Air" (M&O), which is a program of the American Lung Association of the Southeast. The M&O presentation further informed local elected officials of the dangers of air pollution that distinctly harm the elderly and very young members of the population. The members of the Coalition recognized the potential for partnership between both MGCAC and M&O.

Use Environmentally Sound Practices in Our Daily Businesses

Individual Member Actions

Representatives from the MGCAC distributed surveys and conducted in-person interviews with local elected officials and staff members to determine specific actions each local government has taken. The results of those conversations and surveys are listed below, by local government. Appendix A contains copies of the surveys received for each organization.

Macon-Bibb County

The consolidated government of Macon-Bibb County has undertaken a number of significant projects to advance the goals of the Middle Georgia Clean Air Coalition and the Path Forward Plan. The county has reviewed their Operations and Maintenance procedures for NOx and Ozone reduction opportunities and is in the process of developing a plan to implement potential action items. Approximately 60 percent of the county-owned buildings have undergone energy audits, and the county's Green Team is working to implement findings of those audits where possible. The county has also applied for and received numerous alternative energy grants, allowing them to conduct lighting retrofits, replace portions of the vehicle fleet with a combination of 18 low-emission utility carts and hybrid vehicles, four solar-panel thermal water heaters for fire stations (as well as implementing these in three new buildings currently under construction), an electric vehicle charging station outside the county courthouse, and lighting retrofits for all recreation centers in Macon-Bibb County. Attached to their survey document is a more comprehensive listing of completed projects and realized energy reductions.

The Macon Transit Authority has transitioned 95% of its fleet to clean diesel and is currently reviewing options for an electric bus.

Houston County

Houston County has passed a county-wide anti-idling policy for all employees in county vehicles. This policy, unique in its breadth for the Middle Georgia region, will serve as an example for others in the Coalition to use when considering similar policies. The county is also leading the way by utilizing four Toyota Camry hybrid vehicles and two low-emission tractors to replace older, more polluting vehicles. The Houston County Commissioners have also passed a Green Procurement Resolution and strive to use best practices when purchasing equipment that use diesel or gasoline. This policy not only applies to the purchase of equipment to be owned by the county, but also procurement of private contractors utilizing their own equipment.

Additionally, the county is in the process of replacing all interior office T-12 lighting with more energy-efficient LED bulbs where possible. They are also working with Flint Energies to conduct energy audits for county-owned buildings. Finally, the county leads the region in methane gas to green energy production. This is a product

of the Green Energy Project at the Houston County Solid Waste Landfill which has the ability to generate 3.2 megawatts of power; enough to power 1,700 homes, when operating at full capacity.

Jones County

Jones County has recently replaced eight HVAC units with new EnergyStar certified units. The county plans to replace more units in future years and will prioritize the purchase of high-efficiency equipment. The water department has replaced an old lift station water pump that was running continuously with a new 10-horse power pump aimed to reduce energy consumption. The county is also in the process of renovating an old high school gym with new equipment and appliances which will be procured with EnergyStar certification where possible. The county has retrofitted all of the lighting at their trash convenience centers, as well as the Parks and Recreation shop. Jones County will continue to transition outdoor and overhead lighting to LED as funding allows and opportunities arise.

Crawford County

Crawford County has recently procured eight air-conditioning units which have been certified by EnergyStar. Large earth-moving equipment, including two motor graders, a front-end loader, and a side-arm tractor, have been purchased with diesel particulate filters pre-installed. The county will also consider a prioritization of contractors utilizing low-emission equipment and alternative fuels in their procurement practices. Finally, the Development Authority of Crawford County, influenced by recent developments in neighboring Taylor County, is considering options to take advantage of solar power developments.

City of Byron

The City of Byron is taking part in the Georgia Power LED Roadway Lighting initiative. The city has requested that Georgia Power initiate exchange of all of their 100, 150, 250, and 450 watt Cobra Head lights. Additionally, the existing roadway lights located at the Georgia Hwy 247 Connector and Walker Road roundabout were retrofitted to include solar panels through partnership with Flint Energies.

City of Centerville

The City of Centerville has taken part in two large-scale LED retrofit projects as they work to implement the Path Forward Plan. First, the city recently upgraded all traffic signal heads to utilize digital LED display lighting. Additionally, the city is

one of the first in an effort by Flint Energies to be converted completely to LED lighting. This project will cover all EMC-owned, city-leased lights. Flint Energies expects to continue the project across its entire service area.

City of Gray

The City of Gray has focused on reducing energy consumption during the water treatment processes. Both the city's water and wastewater plants have recently implemented Supervisory Control and Data Acquisition (SCADA) projects. These newly-installed systems will allow for remote monitoring of overflows and other major events, allowing city staff to respond more quickly. Additionally, new meters and calibration of existing meters allow the plant to operate at an increased efficiency. Water line improvements, such as repairs to the structure of the piping, have reduced the amount of treated water that escapes the system prior to reaching customers.

Other improvements made aimed at system efficiency in the City of Gray include:

- Energy audits for Water and Sewer Department Building.
- New vertical turbine pump, which will allow for variable speeds.
- Timing of the well operations to be more energy efficient.
- Sewer line infiltration and inflow reduction, which reduces:
 - The quantity of non-sewer water treated by the facility.
 - The amount of time lift stations must run.

City of Warner Robins

The City of Warner Robins has a very robust plan to implement the Path Forward Plan. They are currently working with Flint Energy to perform energy audits for city buildings and will act upon appropriate findings in order to reduce energy consumption. The city has requested Georgia Power convert all streetlights to LED. Two natural gas Ford F-150s have been purchased as part of a pilot program to utilize existing natural gas infrastructure. This fleet will be expanded if results of the pilot program indicate it to be a successful venture. Both the recently-constructed Fire Station #8 on Georgia Hwy 96, which opened over the summer of 2015, and the Law Enforcement Center, which was opened in 2014, were fitted completely with EnergyStar certified appliances.



Warner Robins Fire Station #8



Warner Robins Law Enforcement Center

The existing City Hall building is being retrofitted with energy-efficient lighting and EnergyStar certified appliances.

Further, the city will consider a number of policies aimed at reducing emissions within the various city departments. In coordination with the various city departments, anti-idling policies will be developed aimed at reducing idling by non-emergency city vehicles. For those services provided by contractors through an open bidding process, the city will develop a policy to prioritize those contractors who utilize low-emission equipment, similar to the city's existing local contractor preference policy.

Finally, in order to gauge the city's potential to take advantage of retrofit and efficiency opportunities, MGCAC support staff met with a group of department heads from the city to discuss the potential for initiatives which would advance the goals and strategies of the Path Forward Plan.

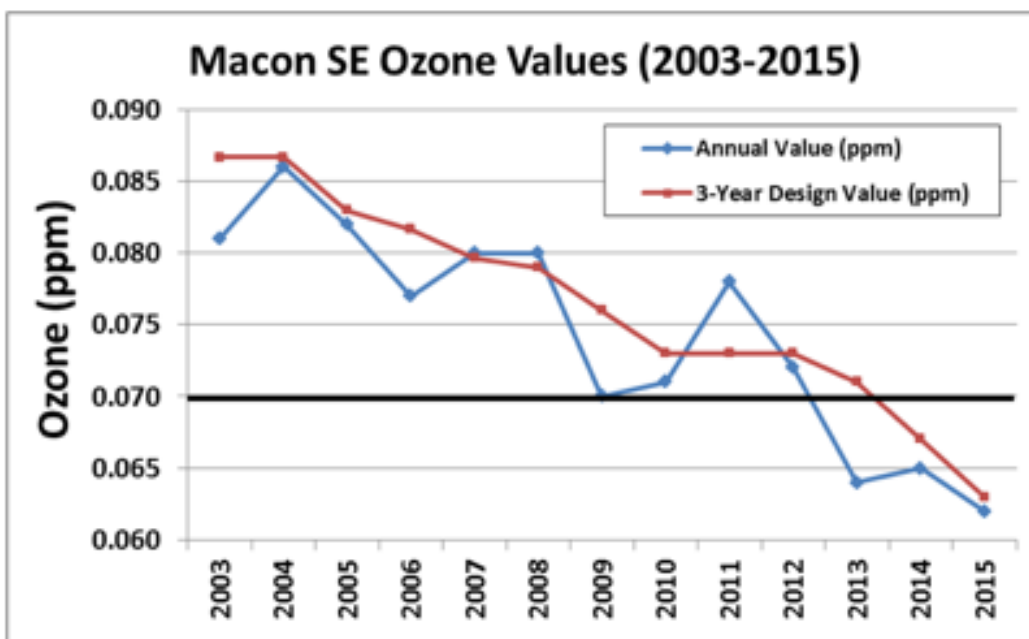
Represented in the meeting were:

- Warner Robins City Council
- Warner Robins Fire Department
- Warner Robins Police Department
- Utility Department
- Public Works Department
- International City Golf Club (owned by City of Warner Robins)
- Building and Transportation Department
- Purchasing Department

In the meeting, department heads were asked to identify specific pieces of equipment frequently used by their department that was run by gas or diesel. A number of different vehicles and items were listed. City staff will work in conjunction with the MGCAC and department heads to determine what can be feasibly retrofitted or, when time for replacement, replaced with more fuel-efficient or alternative fuel devices.

Conclusion

The work for clean air in Middle Georgia is extraordinary. It is an example of how to work together for a common goal. The work is regional, the organization is regional and cuts across both private and public sectors, and the positive cumulative effects of many actions has led to better air quality throughout the region. We also note the positive effect of EPA actions in our regions that have a positive difference. The chart below shows how far we have come together.



NOTE: Ozone data for 2015 is through 09/29/15. The Georgia ozone season lasts until October 31, 2015. Also, the 2015 ozone data has not been fully QA'ed or certified by EPA. Therefore, the 2015 annual concentration and 2015 design value may change.

Path Forward Addendum



Appendix A



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Macon-Bibb County



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County: Macon-Bibb County

Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NO_x and ozone producing chemicals?

Reviewed O&M - no plan developed yet

Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

yes - approximately 60% of buildings audited
yes - see attached

Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

yes - see attached

Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

yes - will send policies updated

Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

Not favoring contractors but favoring
the products

Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

No - Green Team to discuss and advise

Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

Yes - All downtown street lighting
and crosswalks

Has your city/county addressed the potential for solar arrays or other renewable energy projects?

Yes - discussed solar canopies / arrays
installed solar hot water

Green Initiatives

- ❖ Complete retrofit of approximately 2800 bulbs and ballasts, resulting in an average energy reduction of 18%. The courthouse lighting retrofit project was the first major initiative, the energy savings realized since completion in September 2008 is now more than \$425,000.00
- ❖ Replacement of 350 + windows with insulated Low E windows.
- ❖ Replacement of the roof system with foam insulation and reflective white exterior coating.
- ❖ Replacement of 120 ton high efficiency Chiller System – replaced old pneumatic controls with DDC controls.
- ❖ Over the last 5 years – replaced 14 inefficient HVAC units with high efficiency units.
- ❖ Several sites have Building Automation systems to regulate schedules for heating, cooling and lighting systems to minimize “peak time” usage.
- ❖ Annual Earth Day Events – partnering with MGCAC and City of Macon, the Earth Day event in April, has grown into an unbelievable public awareness event.
- ❖ Conducts Educational Summits (twice a year) in order to share successes and Green Team benefits to the community.
- ❖ Educated all county departments on a “Print Study” whereby it costs .055 to use a shared copier versus .10 to use a desk jet; Twelve Departments now have instituted a cartridge policy;
- ❖ Researched and led the way to convert the county timesheet system from paper to electronic- currently have all departments on board, with the Sheriff’s Office converting in August 2012 (Inception of project began June 2011.)
- ❖ Presented Bibb County Commissioner’s with the Anti-Idling Policy, which passed and was county Policy for all county vehicles;
- ❖ Newspaper and Phone Book Recycling Programs-100% participation rate among all county departments;
- ❖ Taking the lead on educating employees on the benefits of Automatic Deposits (savings of printing and paper) – 98% on direct deposit. All but 200 employees now on direct deposit

Grant Awards/Projects

- ❖ Four additional county facilities received lighting retrofits. This project was completed in May 2012 and produces an annual energy savings of approximately \$15,000.00
- ❖ Bicycle Rack for public outside of the courthouse.
- ❖ Eight Utility Carts to replace county fleet with highest emissions rate – (4) Parks and Rec, (2)Tobesofkee, (1)Public Works and (1)Courthouse locations
- ❖ Hybrid Vehicles to replace county fleet with highest emissions rate (on-going project); Same grant also include retrofitting diesel fleet as identified by EPD; I believe we have 8-10 in the fleet (from County)
- ❖ Four (4) Solar Panel Thermal Water Heaters for fire stations; project completed August 2012 (grant funded - no cost to the county;) – Fire Station 110, Animal Welfare and Juvenile Justice being built incorporating solar hot water.
- ❖ Electric Vehicle Charging Station - placed outside of the courthouse for public use-at no charge; project completed August 2012 (no cost to the county)
- ❖ Lighting retrofit for all Recreation Centers in Macon Bibb in process now – using LED’s



Macon-Bibb Relaunches Green Team, Celebrates Ongoing Efforts

Macon-Bibb County is relaunching the green initiatives of the former City of Macon and Bibb County governments. Previously, both the former City of Macon and Bibb County governments had green initiatives in place, and the new Green Team will build upon those successful efforts while seeking new opportunities. This team, made up of employees from all departments, will identify ways the new government can be more environmentally friendly, can clean up the community, and save money.

Initiatives that will continue and possibly be expanded include: recycling, focused litter and debris removal, increasing green space, planting trees, reviewing alternatives to printing paper, exploring electric vehicle charging stations, installing bicycle racks, and installing energy efficient systems, windows, and lighting.

Recycling

Both the former City and County had recycling initiatives in place, and those will continue while it is determined how to combine and expand these efforts.

Advanced Disposal Services picks up recycling in the former unincorporated county every other week on the same day as trash service. Items that can be recycled include paper, clear glass, and plastic. The program is voluntary, and if people would like to participate, they would need to call 621-6660 to order a recycling container. When it is delivered, it will come with instructions on what can be recycled.

Bibb County Recycling Collection

2012	2013	2014
1,509,180 lbs.	1,366,520 lbs.	241,320 lbs.

The former City announced an expansion of its recycling program in February 2013 to include the collection of glass bottles. In the single stream program, four neighborhoods in Macon – Intown, Shirley Hills, Vineville, and Wimbush Road – and several schools are provided 65-gallon blue roll-off carts to collect: glass bottles, clean paper, mail; flattened cardboard, newspaper, magazines, catalogs, phone books, paperback books, wrapping paper (no foil or ribbons), plastic bottles and jugs (no caps or lids), clean plastic dairy jugs (yogurt, margarine, etc.), and aluminum, steel, and tin-plated cans.

City of Macon Recycling Collection

Recyclables	2012	2013	2014
Single Stream	456,120 lbs.	537,198 lbs.	79,480 lbs.
Fire Stations	78,760 lbs.	152,540 lbs.	36,260 lbs.
Curbside Fiber (mostly newspaper)	268,280 lbs.	300,990 lbs.	45,460 lbs.

On the first and third Thursdays of each month, the blue roll-off carts in the Intown and Vineville neighborhoods are picked up, and they are picked up in the Shirley Hills and Wimbish Road neighborhoods on the second and fourth Thursday of each month.

The entire City receives recycling pick up for newspapers, and that is picked up the same day as regular trash pickup. For information about the recycling program – or to request a recycling bin or rolling trash can – contact the Public Works Department at 478-751-9123.

Litter Pickup

A focused cleaning program was begun in 2013 by the former City of Macon to address the amount of litter along our major roads and intersections. In the first year of the program, 149,974 pounds of litter and debris were removed from our streets.

The work is done by prison detail crews (weekdays) and community service crews (weekends). More than 1,000 people volunteered to be on the community service crews through a partnership with Providence Community Corrections; volunteers received service hours for their time.

The City of Macon provides a supervisor for the work, transportation to the areas needing cleaning, safety vests, gloves, and litter sticks. Areas to be cleaned are selected earlier in the week by the Public Works Department based on community concerns, SeeClickFix reports, and personal observation.

In the next year, Macon-Bibb will continue the focused cleaning and seek other methods by which to determine what areas need it most. For example, working with the Industrial Authority, Macon-Bibb focuses its efforts on the route being taken by potential employers visiting the city.

Expanding & Improving Greenspace

In 2013, the City of Macon doubled the size of Rosa Parks Square in front of the Government Center and began planting the squares of trees and bushes. The former Boys & Girls Club building was demolished to make way for a future park overlooking Downtown. The Urban Development Authority is working with Macon-Bibb to develop a plan for that park.

In 2014, Macon-Bibb is moving forward with the purchase of several parcels of land to ensure the neighborhood has green space for children to play and families to relax. It could also be a draw for private investment looking to develop the former Atlantic Cotton Mills site.

Additionally, Macon-Bibb has been working to create MidCity Square as part of the Second Street Corridor. Interest has been expressed in further development around the park, and any increase in tax revenue in that area means a revenue source to make further improvements and upgrades.

To improve the Gateways in to Macon-Bibb, a grant of DOLLAR amount was applied for to landscape and care for the I-75 Exit at Pio Nono Avenue and Rocky Creek Road.

Tree planting

With the expansion of Rosa Parks Square last year, the Parks Division of Public Works began planting trees to match a design created that would create more usable space. Tree plantings continued throughout the year, with the Mayor charging the Department to plant at least 250 per year. Between January and December 2013, 291 hardwood trees were planted.

Plantings continue now, most recently in Third Street Park by the Dannenberg building. Since January 1, 2014, 174 trees have been planted.

Energy Savings

An electric vehicle charging station was installed outside of the Bibb County Courthouse and is provided to the public at no cost. Additional stations and locations are currently being explored for installation. The County purchased hybrid vehicles to replace vehicles with the highest emissions rate (8-10), and three hybrid vehicles were purchased by the City.

The former Bibb County retrofit approximately 2,800 bulbs and ballasts, resulting in an average energy reduction of 18%. The courthouse retrofit was the first major project in this initiative, and since September 2008, the energy savings totals \$425,000. Lighting retrofits are being continued in a variety of buildings, including Recreation Centers

At the Bibb County Courthouse, more than 350 windows were replaced with insulated windows and the roof system was replaced to include foam insulation and reflective white exterior coating. Replaced 15 inefficient HVAC units and brought several sites into a Building Automation system to regulate schedules for heating, cooling, and lighting.

Both the City of Macon and Bibb County had Anti-Idling Policies to reduce emissions and the use of fuel, and that practice is still in place in the consolidated Macon-Bibb County.

Other Cost Savings

The former Bibb County conducted a 'print study' to show that it costs \$0.55 to use a desk jet printer but only \$0.10 to use a shared copier. Twelve departments have implemented a cartridge policy to reduce costs.

The former Bibb County also implemented an electronic timesheet system, and that was built in to the new, consolidated Macon-Bibb County government using the new Public Administration software system. Additionally, paper checks and paystubs are no longer printed and distributed. This reduces the amount of paper used every other week for these tasks.

Solar Panel Thermal Water Heaters for were installed at four fire stations, and they will be installed at Fire Station 110, the Animal Welfare Center, and the Juvenile Justice Center.



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Houston County



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County: Houston County

Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

Houston County has passed an Anti-Idling policy for all County employees who drive County vehicles to abide by.

Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

No, but Flint Energies has been contacted and will conduct these audits as they can be scheduled.

Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

Yes, older vehicles have been replaced with four Toyota Camry hybrid vehicles and two low-emission tractors.

Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

The Commissioners have passed a Green Procurement Resolution and strive to use best practices regarding the environment when purchasing equipment that use fuels.

Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

Yes, Houston County has passed a Green Procurement Policy.

Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

Not yet.

Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

Yes, Houston County is in the process of replacing all interior office T-12 lighting with more energy efficient T-8 bulbs. Furthermore, all incandescent bulbs have been replaced with LED bulbs where possible.

Has your city/county addressed the potential for solar arrays or other renewable energy projects?

Houston County leads the region in Methane gas to green energy production through the Green Energy Project at the Houston County Landfill which has the ability to generate 3.2 megawatts of power – enough to power 1,700 homes – at full power.



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Jones County



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County:

Jones County

Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

No.

Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

Not at this time.

Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

6-8 new heating/AC units, more to be replaced. New 10 Hp booster pump (water dept). Process of renovating an old gym w/ new equipment.

Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

If feasible, will try to purchase high efficiency equipment.

Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

No.

Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

No.

Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

All of our convenience center outdoor lighting.
Parks + Recreation shop. Slow transition in other areas.

Has your city/county addressed the potential for solar arrays or other renewable energy projects?

No



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Crawford County



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County:

Camden County

Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

No

Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

No

Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

8 AC units - more efficient

2 motor graders, front-end loader, side-arm tractor

Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

Looking into this - Cam will get started

Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

No

Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

N/A

Has your city/county addressed the potential for solar arrays or other renewable energy projects?

Dev. Auth. has investigated this



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

City of Byron



Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County: City of Byron

1. Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

No.

2. Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

No.

3. Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

No.

4. Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

No.

5. Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

No.



6. Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

No.

7. Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

The Six-Month disconnect notification form (Georgia Power) has been filled out.

8. Has your city/county addressed the potential for solar arrays or other renewable energy projects?

Yes. Solar panels were installed on street lights at the 247 Conn / Walker Rd. roundabout. (Flint)



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

City of Centerville



Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County: City of Centerville

1. Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

No

2. Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

No

3. Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

No

4. Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

No

5. Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

No

6. Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

No



7. Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

We have upgraded all of the traffic signals to LED lighting.

8. Has your city/county addressed the potential for solar arrays or other renewable energy projects?

No



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

City of Gray



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County:

City Of Gray

Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

Fuel-Injected lawnmowers

SCADA project @ water & wastewater plants

- New trucks possibly in future - Holding off • Don't mention

Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

Gray Path Forward

Water / Waste Water

- New Meters

- Calibration

- Line Treatment

- Changing vertical turbine pump

- ~~making~~ Making Variable Speed to reduce Energy use

- Timing Well operations to reduce energy use

- Sewer I & I

- Reduces run times @ lift stations & Treatment facility

- Reduces need for overflow pond

- No need to run aerators & diffusers

Time Clock.

Energy Audit ~~on water system~~ for Water & Sewer Dept. Building

Contract - Out

- Garbage Service

- Well-drilling

- Calibrating Meters



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

City of Warner Robins



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Implemented Air Quality Strategies

Please provide any information about steps your city or county has taken to further the following action items from the Path Forward Strategy which was passed by the MGCAC.

Name of City or County: Warner Robins

Has your city/county conducted a review of its operations and maintenance and developed a plan to reduce NOx and ozone producing chemicals?

Has your city/county conducted ANY Energy Audits for city and county buildings? Have you replaced any equipment as a result of Energy Audits?

Will be working w/ Jimmy Atrey @ Flint Energy

Has your city/county replaced ANY maintenance and operations equipment with high efficiency equipment (specifically where there is a payback of less than 36 months)?

2 Nat. Gas Vehicles F150's as pilot program
Energy Star Appliances @ Fire Station & CEC

Has your city/county reviewed procurement practices for equipment that uses fuels, such as lawnmowers, automobiles, and backup energy generators?

Has your city/county developed a procurement policy that favors contractors who use reduced NOx equipment?

Has your city/county provided department heads with an energy efficiency target to meet over the next five years?

- Dept. Head meeting

Has your city/county replaced outdoor lighting with more efficient lighting (e.g., LED)?

- City Hall renovations - Energy efficient lighting/Appliances

Has your city/county addressed the potential for solar arrays or other renewable energy projects?



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Departments of the City of Warner Robins

Please provide any information about your department in the questions below

Department: Fire

What types of gas or diesel equipment does your department own?

Pumpers - Engines, Ladder Trucks, Extinction equip.
Yard maint equip., saws - circular & chain,
cars & trucks, generator

What types of gas or diesel equipment does your department lease or contract for?

N/A

Does your department use any equipment that is low-emission or converted to electric or alternate fuels (propane, natural gas, etc.)?

newer fire trucks have low emission diesel
engines



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Departments of the City of Warner Robins

Please provide any information about your department in the questions below

Department: Police

What types of gas or diesel equipment does your department own?

Ford Crown Vic's, Dodge Chargers, and
Ford Explorer SUV's, ALL (but one)
of our vehicles are gas

What types of gas or diesel equipment does your department lease or contract for?

None

Does your department use any equipment that is low-emission or converted to electric or alternate fuels (propane, natural gas, etc.)?

No



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Departments of the City of Warner Robins

Please provide any information about your department in the questions below

Department:

UTILITY Dept

What types of gas or diesel equipment does your department own?

Dump Trucks

Heavy equipment

[Track Hoe Backhoe]

Pumps

Generators

What types of gas or diesel equipment does your department lease or contract for?

NONE

Does your department use any equipment that is low-emission or converted to electric or alternate fuels (propane, natural gas, etc.)?

*Yes 2 Natural Gas
powered F150's*



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Departments of the City of Warner Robins

Please provide any information about your department in the questions below

Department: Public Works

What types of gas or diesel equipment does your department own?

Pickups, Flatbed dumps, tandem dumps, grass tractors
Lawn mowers, backhoes, tractors, loaders, street
sweeper, grapple truck (yard debris pickup)

What types of gas or diesel equipment does your department lease or contract for?

∅

Does your department use any equipment that is low-emission or converted to electric or alternate fuels (propane, natural gas, etc.)?

∅



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Survey of Departments of the City of Warner Robins

Please provide any information about your department in the questions below

Department: Golf Course

What types of gas or diesel equipment does your department own?

Tractors, Mowers, Lawn Equipment
Car, Truck

What types of gas or diesel equipment does your department lease or contract for?

Own equipment

Does your department use any equipment that is low-emission or converted to electric or alternate fuels (propane, natural gas, etc.)?

Electric Golf Carts



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Flint Energies EMC

From: [Jimmy Autry](#)
To: ["Autry, Jimmy \(jimmyautry@msn.com\)"](mailto:Autry, Jimmy (jimmyautry@msn.com))
Subject: Flint Energies Refunds \$345,800 to Members Who Volunteer for Smart Select Load Management
Date: Thursday, October 29, 2015 4:00:10 PM



An Electric Membership Corporation

Your Touchstone Energy® Cooperative 
The power of human connections

NEWS FOR IMMEDIATE RELEASE

Thursday, Oct. 29, 2015

Contact:

Jimmy Autry, Sr. VP, Office 478-218-5544, jautry@flintemc.com
Marian McLemore, Manager of Public Relations, Office (478)
218-5600, mmclemore@flintemc.com

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Flint Energies Refunds \$345,800 to Members Who Volunteer for Smart Select Load Management

REYNOLDS/WARNER ROBINS/UPATOI/PERRY - Due to the successful operation of its Smart Select load management program this past summer, Flint Energies has assigned \$345,800 in bill credits to 13,832 of its current members. Members received their bill credit as a separate line item on their October bills.

“Participating members get \$25 each fall when the program saves energy and dollars for their non-profit member-owned cooperative,” said Sr. VP Jimmy Autry.

Smart Select is a voluntary program designed to reduce peak electric demand during the hottest summer afternoons when air conditioners are used the most. These switches reduce peak use and save Flint Energies from purchasing additional power during the summer months when costs are at their highest.

Members who participate in Smart Select allow the cooperative to attach a load control switch to their central AC/heat pump and electric water heater and or pool pump, at no cost. The switch allows Flint to safely cycle the air conditioner off for brief periods on peak usage days. Members report noticing little to no difference inside their homes because the fan continues to run and circulate cooled air.

By reducing peak demand, Smart Select members are helping the environment by reducing the consumption of gas, coal and oil fuels used to generate electricity. This reduces the need to build new power plants. In addition, Smart Select participants are ensuring system reliability by reducing the chance of blackouts.

“By participating in this volunteer program, residential members will save themselves and Flint Energies money on future power purchases,” Autry said. “Over 18,000 load control switches have been installed; however, Flint still needs more volunteers. The more participation the cooperative achieves, the more money saved...which keeps bills lower for all members.” To sign up for Smart Select and to receive a \$36 one-time installation bill credit, members can call 1-866-988-3902 or sign up at www.flintenergies.com/switch Annual bill credits of \$25 will continue each fall when Flint has a successful peak-shaving summer.

About Flint Energies www.flintenergies.com

Incorporated in 1937, Flint Energies is a not-for-profit member-owned electric cooperative that provides energy services to residential, commercial, industrial and agricultural members in parts of 17 central Georgia counties. Flint has 240 employees and serves more than 87,200 meters. Flint's physical plant consists of more than 6,600 miles of distribution line and 50 substations located within Bibb, Chattahoochee, Crawford, Dooly, Harris, Houston, Macon, Marion, Monroe, Muscogee, Peach, Schley, Sumter, Taylor, Talbot, Twiggs and Upson Counties. The system

also includes the Museum of Aviation at Robins Air Force Base and the Fort Benning military post. Flint is the eighth largest of Georgia's 41 EMCs and the 37th largest of the nation's nearly 1,000 rural electric cooperatives.

Touchstone Energy www.touchstoneenergy.com

Flint Energies is also a Touchstone Energy Cooperative, part of a nationwide family of electric cooperatives exhibiting the core values of integrity, accountability, innovation and commitment to community. Flint's members give their cooperative an American Customer Satisfaction Index (ACSI) score of 80, which rates higher than most investor-owned utilities in the country.

American Customer Satisfaction Index (ACSI)

<http://theacsi.org/industries/energy-utilities>

ACSI is a uniform and independent measure of household consumption experience. As an economic indicator, the ACSI tracks trends in customer satisfaction and provides benchmarking insights of the consumer economy for companies, industry trade associations and government agencies." The ACSI is produced by the Stephen M. Ross Business School at the University of Michigan, in partnership with the American Society for Quality (ASQ) and the international consulting firm, CFI Group.

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Flint Energies online at www.flintenergies.com

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Flint Energies is an equal opportunity provider and employer.



TAKING ACTION TO IMPROVE AIR QUALITY IN MIDDLE GEORGIA

Oglethorpe Power and Georgia Power

(Plant Scherer)



Plant Scherer

Location Juliette, Ga.	Primary Fuel Powder River Basin Coal	Capacity 3,600 megawatts	Plant Manager Johnny Howze	Number of Employees Approximately 400
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Ownership:

Georgia Power • Oglethorpe Power Corp. • Florida Power & Light • Municipal Electric Authority of Georgia
Gulf Power • Jacksonville Electric Authority • Dalton Utilities

Georgia Power is the largest subsidiary of Southern Company (NYSE: SO), one of the nation's largest generators of electricity. Value, Reliability, Customer Service and Stewardship are the cornerstones of the company's promise to 2.4 million customers in all but four of Georgia's 159 counties. Committed to delivering clean, safe, reliable and affordable energy at rates below the national average, Georgia Power maintains a diverse, innovative generation mix that includes nuclear, 21st century coal and natural gas, as well as renewables such as solar, hydroelectric and wind. Consistently recognized as a leader in customer service, Georgia Power was recently ranked highest in overall business customer satisfaction among large utilities in the South by J.D. Power and Associates.



Overview

As one of the nation's largest power plants, Plant Scherer represents a major commitment by its owners to ensure an adequate supply of electricity is available to the southeast for now and years to come. Plant Scherer is located in Juliette, Ga., just north of Macon and approximately 70 miles south of Atlanta. The plant, located next to Lake Juliette on 3,500 acres, began commercial operation in 1982. The four units of the coal-fired power plant are capable of producing 3,600 megawatts of electricity and on average can supply enough energy to power approximately 1.5 million homes. That's five times the amount of homes in the surrounding eight counties.

Environmental Performance

Georgia Power, which operates the plant, incorporates strict environmental standards into operating its generating facilities; Plant Scherer is no exception. We are continually working to ensure our generation fleet is balanced and diverse - including advanced coal and natural gas, nuclear and renewables, such as solar and wind. To ensure this balance while protecting our customers and our existing fleet, we are in the midst of a more than \$5 billion environmental construction program, including building scrubbers, selective catalytic reduction systems (SCRs), baghouses, and using other technology to build and reduce emissions at our fossil-fuel power plants. Plant Scherer has added multiple environmental controls, including scrubbers, SCRs, and baghouses on all four units. These investments equip the units with the latest environmental controls to reduce emissions of sulfur dioxide, nitrogen oxides, and mercury.

Community Involvement and Stewardship

A commitment to the community has been the trademark of Georgia Power and its people since the company's founding in the 1880s. Today, that desire to serve is as strong as ever. Employees at Plant Scherer are fully engaged in supporting their communities, education, environmental stewardship, and health and wellness. As dedicated volunteers, they take ownership for making our communities better places to live. In 2013, Plant Scherer donated more than 1,800 hours and \$45,000 to the local community.

In addition, the Georgia Department of Natural Resources Game and Fish Division manages approximately 8,500 acres of Plant Scherer's property as a Wildlife Management Area. Although Plant Scherer's primary purpose is to produce electricity, the facility also offers public access to Lake Juliette, as well as opportunities for hunting, fishing, wildlife development, boating, picnicking, and primitive camping.

Economic Benefit

Plant Scherer provides numerous economic and financial benefits, including tax revenue (more than \$7 million in 2013) to Monroe County. Nearby counties and the entire state also benefit from job opportunities and the economic development boost created by having immediate access to a reliable source of electric power.

www.georgiapower.com

