

**Basic Motions**

Motion  
*Calls for Action*  
 Debatable  
 Simple Majority

Motion to Amend  
*Changes Original*  
 Debatable  
 Simple Majority

**Other Motions**

Table  
*Postpone Vote*  
 No Discussion  
 Simple Majority

Close Debate  
*End Debate & Vote*  
 No Discussion  
 2/3 Majority

Reconsider  
*Change Prior Decision*  
 Voted in Majority  
 Within One Meeting  
 Debatable  
 2/3 Majority

Recess  
*Take a Short Break*  
 No Discussion  
 Simple Majority

Consensus Process  
*If 1-Vote Majority*  
 Debatable  
 3 Votes to Pass

Adjourn  
*End the Meeting*  
 No Discussion  
 Simple Majority

Actions and discussion are governed by motions. Only 3 motions on the table at once (a 4<sup>th</sup> would be out of order). Most recent motion is considered first.

**☐ Convene meeting + Reminder: Turn off Cell Phone**

**I. Roll Call/Quorum \_\_\_\_\_ Board Members (quorum = 4)**

**II. Pledge of Allegiance**

**III. Additions/Deletions/Approval of Agenda**

**IV. Approval of October 2, 2014 Minutes (Attachment A)**

**V. Announcements**

**VI. Public Comment Period**

Public Comment Period is a period reserved for comments by the public. A total of 30 minutes is allocated with each individual being allowed no more than 3 minutes each. The Public Comment Period will be closed once the allocated time has been reached.

**VII. New Business**

- a. FROGGS Update (10 mins) – Harry Stubbs
- b. No Idling and GCPP Transportation Plan Discussion (15 mins) (Attachment B) –James Kenny
- c. Commission Reports – (20 mins)
  - 1. Recreation & Parks (Woodley)
  - 2. Community Appearance (Behm)
  - 3. Greenville Utilities Commission (Kimmel)
- d. 2015 Goals & Objectives (20 mins) – Scott Anderson

**VIII. Old Business**

- a. Environmental Survey – Finalize (10 mins) – David Kimmel
- b. 2015-2016 Grant Discussion (10 mins) – Scott Anderson

**IX. Other – FYI**

- a. Recycling Report (Attachment C)

**X. Proposed Agenda Items – December 4, 2014**

- a. Council Presentation - Draft
- b. Pitt County Recycling Initiatives
- c. Plastic Bags Discussion
- d. 2015 Goals & Objectives – Finalize
- e. Commission Reports – Public Transportation & Parking Commission (Kane), Planning & Zoning Commission (Burney), Neighborhood Advisory Commission (Ames)
- f. Stormwater Annual Report

**XI. Adjourn**

**Items for Future Consideration**

_____	_____
_____	_____
_____	_____

Board Members

**Chair**

1. Scott Anderson (Chair)

**Commission Members**

2. David Ames
3. Michael Behm (Vice)
4. Owen Burney, Jr.
5. Emilie Kane
6. David Kimmel
7. James (J.C.) Woodley

**Ex-officio**

Kevin Mulligan (Public Works)

**Staff Liaison**

Lisa Kirby (Public Works)

**City Council Liaison**

Marion Blackburn

**Environmental Advisory Commission Mission:**

*The Environmental Advisory Commission is hereby created for the primary purpose of recommending matters of environmental concern and serve as technical advisory to the City Council.*

**Environmental Advisory Commission Purpose:**

- Inventory and review, on a continuing basis, the condition of threats to, the environmental resources of the City; and as technical advisors, to report all needs for improvement and corrective actions to the City Council.
- To be advisory to the City Council. The commission will recommend to the City Council matters of city-wide environmental concern and shall serve as technical advisors to the City Council on environmental matters. In addition, it will review Environmental Impact Statements required by the City on major development projects.

# **ATTACHMENT A**

**(October 4, 2014 Minutes)**

*Action:* For your review and approval.

**DRAFT OF MINUTES PROPOSED FOR ADOPTION BY THE  
ENVIRONMENTAL ADVISORY COMMISSION  
October 2, 2014**

**CALL TO ORDER**

Members of the Environmental Advisory Commission met on the above date at 5:30 p.m. in the Council Chambers, City Hall. Mr. Scott Anderson, Chairperson, called the meeting to order and welcomed all those present. The following attended the meeting:

**1. ROLL CALL**

**MEMBERS:**

Scott Anderson  
Owen Burney, Jr  
James Woodley

Michael Behm  
Emilie Kane

**OTHERS PRESENT:**

Lisa Kirby, City of Greenville  
Amanda Braddy, City of Greenville

**2. PLEDGE OF ALLEGIANCE**

**3. ADDITIONS/DELETIONS TO THE AGENDA**

Old Business Item A2 was removed from the agenda as Dr. Kimmel was not present to give an update. Mr. Woodley made a motion to accept the agenda as amended. The motion was seconded by Mr. Burney and passed unanimously.

**4. APPROVAL OF AUGUST 7, 2014 MINUTES**

A motion was made by Mr. Burney to approve the August 7, 2014 minutes as presented. The motion was seconded by Dr. Behm and passed unanimously.

**5. ANNOUNCEMENTS**

- Ms. Braddy announced the Pitt County recycling business item that was scheduled to be discussed in October has been rescheduled to the November meeting.
- Ms. Kirby announced citizen input on the Watershed Master Plan is in progress and will continue through October.
- Council Member Blackburn reminded everyone of the FROGGS “Whoo’s on the Greenway” event being held on October 18, 2014 at River Park North at 5:30pm
- Council Member Blackburn requested Dr. James Kenny be added to the November agenda regarding No Idling signs.

**6. PUBLIC COMMENT PERIOD**

There were no public comments.

**7. NEW BUSINESS**

**A. Greenville Climate Protection Partnership (GCPP) Action Plan**

Ms. Kirby directed attention to the agenda handout on the GCPP’s action plan goals for

infrastructure and transportation. Ms. Kirby stated she had identified goals and action items from the plan narratives and provided updates on items that are in a working status or have been accomplished. Ms. Kirby noted the items were not in order of priority and that some of the goals had no measurable impacts. Dr. Behm asked if EAC could contact former GCPP members and have them speak to the action items they created in initial plans. Ms. Kirby stated Dr. Kenny was the lead for the Transportation Plan and Council Member Blackburn was the lead on the Infrastructure Plan.

Mr. Anderson stated he felt EAC should evaluate the GCPP Action Plan goals and determine if they are adequate and the measurable. Mr. Anderson requested each member review the list of goals and provide feedback to determine if the GCPP goals could be incorporated into EAC goals. Mr. Anderson asked Ms. Braddy to provide the list of goals to each member and have comments returned to her for further discussion at the November EAC meeting. Dr. Kenny will also be invited to discuss the Transportation Plan goals.

## **B. EAC 2015-2016 Grant Review**

Ms. Kirby began the discussion by giving a brief history of the Environmental Advisory Awards and Grant Program. Ms. Kirby stated the original focus of the Environmental Advisory Award was to award groups and individuals for their positive impacts on the environment in the community. An award ceremony was held and recipients were publically acknowledged for those efforts. There was no monetary commitment in the initial award program. As the program began to wane, EAC decided to initiate a Grant Program. The original grant was funded by the City's Stormwater Education Fund and the target audience was narrowed to PTA school groups. After further consideration, the applicant pool was expanded to include school groups, such as 4-H clubs, science groups and others as applications were reviewed.

Ms. Kirby commended the work that has been accomplished by the EAC Grant Award recipients. However, Ms. Kirby stated the possibility of broadening the focus of the grant and identifying additional funding sources as well as broadening the eligible applicants should be considered. Mr. Burney asked if the focus of the grant was changed from water quality and education, would the City's Stormwater Education Fund be available. Ms. Kirby commented another funding source would need to be identified with a change in grant focus.

Mr. Woodley asked if a grant could be awarded using Stormwater Education Funds for a developmental program for best management practices to allow grant recipients the ability to develop a plan and initiate opportunities to work with local partners to receive funding. Ms. Kirby stated the Stormwater Education Fund required a water quality and/or pollution prevention component to be addressed; however, she would research and report to the Commission if a developmental plan could be considered. Mr. Woodley also asked if waste disposal could be considered a water quality issue. Ms. Kirby will research to ascertain if the permit allows this as well.

Mr. Woodley addressed the feasibility of a grant writing workshop to assist applicant's in submitting the EAC grant package. Mr. Kirby stated she did not believe the City had this type of workshop. However, Ms. Kirby also stated exit interviews were conducted with two of the former EAC grant recipients and was informed the process for writing and completing the EAC grant application was an easy process and did not hinder their projects.

Council Member Blackburn commented she felt J.H. Rose High School's tour for the last EAC grant was a tremendous success and that broadening the applicant pool could potentially invite a

wider array of projects for consideration. Dr. Behm acknowledged Dr. Eban Bean and his work with J.H. Rose as well.

Mr. Anderson directed attention to the upcoming grant cycle and asked if the focus of the grant should be widened outside of the stormwater component; and if the applicant pool should be expanded to include other entities beyond school groups. Mr. Anderson noted if topics other than stormwater were addressed, alternate funding sources would need to be identified. Mr. Burney stated he felt stormwater was a vital component to the grant at this time. Mr. Anderson asked if Stormwater Funds were still available by the City for funding. Ms. Kirby stated the funds were available this year; however, as the Town Creek Culvert project begins to develop, funding may be allocated to that project to provide educational components. Dr. Behm asked if the City was writing other environmental grants at this time. Ms. Kirby stated she was not aware of any at this time.

Mr. Anderson commented the eligible applicants were initially identified as school PTA groups due to the ability to track allocated funds. Dr. Behm stated Pitt County Schools has a new Science Coordinator and will meet with him if it is determined the grant will be focused on student groups for funding. Mr. Woodley stated he would like to see the applicant pool expanded to other organizations such as neighborhood associations and other youth groups such as the Boys & Girls Clubs, Boy Scouts, Girl Scouts, Eagle Scouts, etc. Ms. Kirby also informed the group that in the initial grant process EAC commission members went to the various school group meetings and gave presentations to educate the groups on the grant and its availability in an effort to stir up interest.

Mr. Anderson noted the grant focus and target audience need to be determined as soon as possible to be ready for advertisement in January. Dr. Behm also noted that information on the grant could be distributed to the target groups and an EAC meeting could be used as the presentation time to educate those interested in the grant process. Mr. Woodley asked if there is a limit on the number of grantees that could be awarded. Ms. Kirby responded there was no limit on the number that could be awarded; however, the available funding through Stormwater funds was limited to the \$2,500 maximum.

Mr. Anderson asked for each member to consider their role in establishing the 2015-2016 Grant cycle and be ready at the December meeting to commit to tasks such as determining a marketing group, funding sources, and/or target group. Mr. Woodley stated a State of the Environment meeting could be initiated to bring groups together to determine the needs of the community. This could open opportunities to target groups and funding sources for the EAC grant as well.

## **8. OLD BUSINESS**

### **A. Commission Reports**

#### **1. Redevelopment Commission**

Mr. Anderson reported the primary goal of the commission is to revitalize the uptown and west Greenville areas. Mr. Anderson stated EAC has offered letters of support for grants to the commission such as the Brownfield grant. The commission is currently working on the West Fifth Street Streetscape Improvement Project and has also awarded four grants to businesses that have expanded or relocated to the downtown Greenville area.

#### **2. Greenville Utilities Commission**

This report was tabled to the November meeting.

**3. Greenville Bicycle & Pedestrian Commission**

Dr. Behm noted Harry Stubbs as the chairperson for this commission. Mr. Stubbs provides a FROGGS update to EAC and as such routinely provides an update on the Bicycle & Pedestrian Commission as well. Dr. Behm reported the commission works with FROGGS and Greenville's Park & Recreation Department as well as other entities to provide advice and recommendations regarding bike and pedestrian issues to City Council. Dr. Kane asked if the commission was involved in developing new bicycle paths in Greenville. Mr. Kirby stated the commission played a part in updating the Bicycle & Pedestrian Master Plan in 2011, and was also responsible for printing Greenville's Bicycle Maps.

**9. OTHER– FYI**

- A. Recycling Report**
- B. Quarterly UST Report**
- C. Keep Greenville Beautiful Update**
- D. Handouts from the August 7, 2014 EAC meeting**

**10. PROPOSED AGENDA ITEMS**

The following items are proposed for the November 6, 2014 meeting:

- A. FROGGS Update**
- B. Pitt County Recycling Initiatives**
- C. Plastic Bags Discussion**
- D. 2015 Goals & Objectives – Brainstorm**
- E. Commission Reports**
- F. No Idling Signs Update**
- G. Environmental Survey Update – Finalize report**
- H. GCPP Transportation Plan Review**
- I. 2015-2016 Grant Discussion**

- 11. Adjournment** –There being no further business to discuss, Mr. Burney made a motion to adjourn. The motion was seconded by Dr. Behm and passed unanimously. The meeting adjourned at 6:30pm.

# **ATTACHMENT B**

**(No Idling information)**

Action: For your information.



### Idling – Did you know that...?

- Each of us takes 20,000 breaths each day. This equates to 3,400 gallons of air exchange every day.
- Children breathe 50% more air per pound than adults. Hence, more polluted air per kg of body weight.
- Asthma is the most common illness in children that causes increasingly large numbers of emergency visits and hospitalizations each year.
- Children's asthma symptoms are initiated/exacerbated by ozone that starts forming by car exhaust.
- A study done several years ago (Department of Pediatrics – Chapel Hill) found that 29% of all 6<sup>th</sup> grade children in NC have asthma. Asthma is the leading medical cause of school absences.
- Sitting behind an idling vehicle means that the exhaust from the vehicle in front is coming into your car and polluting the air you breathe.
- Diesel exhaust contains microscopic soot, particles that are about 200 times smaller than the period at the end of this sentence. Pitt County Board of Education Procedure 6.203-P limits school bus idling to a maximum of 5 minutes.
- North Carolina General Statute 20-128.1 limits visible exhaust either gasoline or diesel fuel to a maximum of 5 consecutive seconds. Penalties are provided in G.S. 20-176 (1971, c.1167, s.10)
- Exposure to ozone (O<sub>3</sub>) or fine particulates (Pm<sub>2.5</sub>) are cumulative and additive.
- O<sub>3</sub> and Pm<sub>2.5</sub> both cause inflammation in the bronchial tree. Eventually tissue damage ensues, leading to early pulmonary disability.
- Economic factors:
  1. For every two minutes your car is idling, you use the same amount of fuel it takes to go one mile.
  2. It is more efficient to turn off most warmed up vehicles than to idle for more than 30 seconds.
  3. Idling during a school calendar year equates to the cost of driving 400 miles.
  4. 10 seconds of idling uses more fuel than restarting the vehicle
  5. Switching the engine on or off 10 times equals the gas used for idling more than 30 seconds.



# Greenville Montessori School

## A No-idling Zone ! Project Results

### Project

To educate GMS children and their parents about idling, its impacts and what can be done to reduce it at our school.

### Objective

To reduce unnecessary idling, helping our young lungs to breathe easier.

### Solution

Have drivers to turns of their car engines if waiting in line for more than 30 seconds (as recommended by the US EPA).

### Educational Elements

- Students attended a lecture on "Our Lungs, Our Air"
- Letter and fact sheet were sent to parents to raise awareness about the hazards of idling
- Two, no-idling signs were erected around school driveway
- No-idle pledge cards were distributed to drivers
- Sampling periods of drivers' behavior were carried out to track change

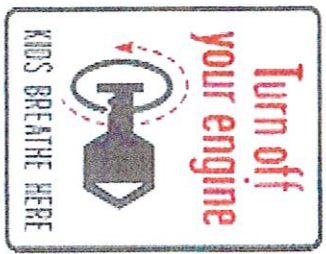
### Did You Know?

- Before the no-idling campaign was started we collectively wasted 1.97 gallons of gas a day.
- Over the course of the school year that would have been a whopping 345 gallons !
- Now at the end of the year we are wasting less than 1/2 a gallon a day.

### Data Collection

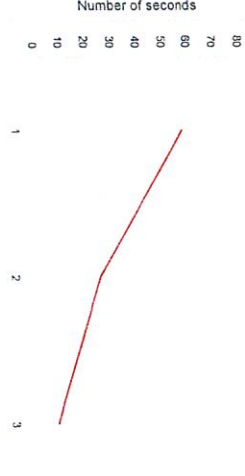
Three sampling periods were carried out:

- Two days before the education campaign was launched
- Two weeks after the campaign was launched
- Three and a half months after the campaign launch
- Samples were taken at morning, mid-day and afternoon pick-ups
- An average of 60 cars were sampled during each monitoring period

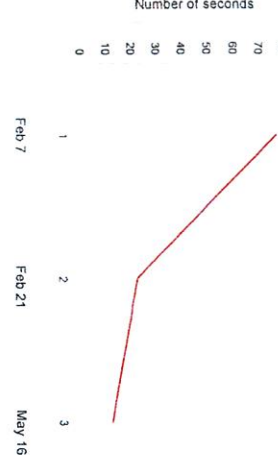


### Results

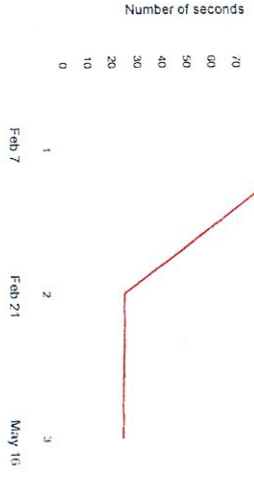
Morning Average Over Time



Noon Average Over Time



Afternoon Average Over Time



# Clean air = Healthy children

## Greenville Climate Protection Partnership Transportation Action Plan

		Year 1 Plant Seed				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Education & Awareness	1A	Encourage more public participation				
	1B	Letters to Editor of Daily Reflector				
	1C	TV: Increase amount of segments on GTV9				
	1D	Churches: Moral obligations to care for environment				
	1E	Talk to committee groups				
	1F					
	1G					

		Year 2 - Teams in place and functioning				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Education & Awareness	2A	Pamphlets				
	2B	Pitt County Board of Health & School Boards School buses & asthma, idling of buses & pick up lane proper parking				
	2C	Encourage more public participation				
	2D	Letters to Editor of Daily Reflector				
	2E	TV: Increase amount of segments on GTV9				
	2F	Churches: Moral obligations to care for environment				
	2G	Talk to committee groups				

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Walking & Bicycles	1A	Implement aspects of Horizon Plan				
	1B	Social events & safety education	Bicycle & Pedestrian Commission participate in Riverfest, school helmet fitting workshops, and 1st Friday bike rides.	On-going		
	1C	Review the implementations of the 2002 GUAMPO Bicycle Master Plan	This Master Plan has been revised by 2004 Greenways Master Plan and 2011 Bike & Ped Master Plan.	X		
	1D	Inventory & assess the current status of bikeways in Greenville	Completed with the 2011 Bike & Ped Master Plan.	X		
	1E	Examine model bicycle friendly communities best practices				
	1F	Inventory & assess current status of walkways in Greenville	Completed with the 2011 Bike & Ped Master Plan.	X		
	1G	Join with FROGGS & KGB to make walking & bike paths a reality				

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Walking & Bicycles	2A	Pamphlets & Posters	Summary Booklets of 2011 Bike & Ped Master Plan and Bike Map	On-going		
	2B	Approach ECU Exercise Physiology Lab				
	2C	Develop a plan to seek and obtain designation of Greenville as a Bicycle Friendly Community	Application process has been reviewed and steps will be taken to complete and submit over the next 6 months by Bike & Ped Commission.		X	
	2D	Facilitate application for NCDOT Bike & Pedestrian Planning Grant	Currently not aware of a Planning Grant. State no longer provides matching funds for bike & ped projects.			
	2E	Explore other opportunities to fund bikeway infrastructure improvements				
	2F					
2G						

## Greenville Climate Protection Partnership Transportation Action Plan

Year 1					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
PCMH Vehicle Traffic	1A	Fact finding & good will			
	1B	Ascertain status of fleet			
	1C	Awareness of Health Hazards of Ozone & Fine particulates			
	1D	Use of retrofit filters, ultra-low sulfur diesel fuel & five year plan			
	1E	what hospetal committees and administrators are involved			
	1F	route patterns			
	1G				

Year 2					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
PCMH Vehicle Traffic	2A	Council re: diesel engines for new & replacements			
	2B	methods of studying health effects, if possible			
	2C	monitoring emissions			
	2D				
	2E				
	2F				
	2G				

Year 1					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
ECU Vehicle Traffic	1A	Status of gas & diesel vehicles			
	1B	status of ECU busing			
	1C	Awareness of Health Hazards of Ozone & Fine Particulates			
	1D	Use of retrofit filters. Use of ultra low sulfur diesel fuel			
	1E	Five Year plan for replacement & new vehicles			
	1F	Route Patterns			
	1G	Chain of administrative hierarchy			
	1H	Review University of NC Tomorrow Commission for flex fuel & flex fuel pumps			

Year 2					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
ECU Vehicle Traffic	2A	Review new & replacement for diesel vehicles			
	2B	Use of hybrids & efficient gas vehicles			
	2C	method of studying health effects if possible			
	2D	enlist assistance of student government for student awareness			
	2E	review the prize winning analysis of the ECU Student Transit Authority			
	2F	Encourage informed faculty to join in			
	2G				
	2H				

## Greenville Climate Protection Partnership Transportation Action Plan

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Pitt County Buses	1A	Continue dialog with Director of Pitt Co Public Health				
	1B	Establish contact, and educate members of Pitt Co School Board & Pitt Co Board of Health				
	1C	Determine current status & 5 year plan for school buses				
	1D	Educate principals & PTA groups				
	1E	Enlist appropriate aid of Medical Advisory Team to write letter to Pitt Co School Board				
	1F					
	1G					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Pitt County Buses	2A	Send letter as described in year 1				
	2B	seek support of the City Council via EAC				
	2C	Monitor use of retrofit filters & ultra low sulfur diesel on new and replacement vehicles				
	2D	Appear before school board committee and Board of Health as needed				
	2E					
	2F					
	2G					

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Idling & Traffic	1A	Check possible limitation				
	1B	Check bus shut off and no idling in pick up lane				
	1C	GREAT Buses same as school buses				
	1D	Shut off engine while idling at railroad crossing				
	1E	Review Neighborhood Traffic Management Program by Council Member Mercer				
	1F	LED Traffic Lights	All lights (traffic & ped heads) are LED.	X		
	1G	Encourage Public Transportation	Annual free ride day, Ride Guide and more shelters at existing stops. City uses NextBus software which gives the riders realtime information. GTAC will increase the convience and comfort for riders.	On-going		

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Idling & Traffic	2A	Progressive Development within legal limits				
	2B	Laws & Signs prohibiting idling as permissible				
	2C	Smart Traffic Lights				
	2D	Replacement Plan for LED Traffic Lights	Completed.	X		
	2E	Intensify use of Public Transportation				
	2F	Fund the position of Traffic Engineer for City of Greenville	Position is filled.	X		
2G						

## Greenville Climate Protection Partnership Transportation Action Plan

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
COG Operation/Programmatic	1A	Establish the Futility of Biofuels	City moved to lo-sulfur and hasn't explored Biofuels because of maintenance issues reported by other municipalities.			
	1B	Completion of Retrofit Filters & Ultra-low sulfur fuel	DPFs have been installed in 4 older buses and all vehicles use low-sulfur fuel.	X		
	1C	Staged Planning for replacement and new purchases	Vehicle Re-placement Fund.	X		
	1D	Hybrid for new & replacement vehicles	Increased number of hybrids but decide on a case by case based on use.	X		
	1E					
	1F					
	1G					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
COG Operation/Programmatic	2A	Consult with City Manager regarding a 5 year budget for new and replacement vehicles	Vehicle Re-placement Fund is in place.	X		
	2B	Advise Department of Public Works regarding public demand for increase GREAT Bus Services	2014 Short Range Transit Plan: determined demand, identified steps to include cost estimate for implementation. Currently implamenting a series of route adjustments (Step 1).	X		
	2C	Update Hybrids and gas engines				
	2D					
	2E					
	2F					
	2G					

**Greenville Climate Protection Partnership Transportation Action Plan**  
**Transportation**

Year 3					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
3A					
3B					
3C					
3D					
3E					
3F					
3G					

Year 4					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
4A					
4B					
4C					
4D					
4E					
4F					
4G					

Year 3					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
3A					
3B					
3C					
3D					
3E					
3F					
3G					

Year 4					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
4A					
4B					
4C					
4D					
4E					
4F					
4G					

## Greenville Climate Protection Partnership Transportation Action Plan

Year 3						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
PCMH Vehicle Traffic	3A	Introduce "clean" diesel				
	3B	Progressive upgrade of vehicular fleets				
	3C	formal partnership with City Council via EAC				
	3D	Monitor health effects and trends				
	3E					
	3F					
	3G					

Year 4						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
PCMH Vehicle Traffic	4A	Bring programs to fruition				
	4B	Continue new and replacement programs				
	4C	address new projects as they arise				
	4D					
	4E					
	4F					
	4G					

Year 3						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
ECU Vehicle Traffic	3A	introduce "clean" diesel engines if available				
	3B	formal partnership with City Council via EAC				
	3C	Progressive upgrade of vehicular fleet				
	3D	monitor asthma visits to student health that rides buses versus previous two years				
	3E					
	3F					
	3G					
	3H					

Year 4						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
ECU Vehicle Traffic	4A	Bring programs to fruition				
	4B	continue new & replacement programs				
	4C	address new projects as they arise				
	4D					
	4E					
	4F					
	4G					
	4H					



## Greenville Climate Protection Partnership Transportation Action Plan

		Year 3				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Pitt County Buses	3A	Closely monitor health & welfare of school children in relation to school bus fleet, new & replacement buses & idling policies				
	3B					
	3C					
	3D					
	3E					
	3F					
	3G					

		Year 4				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Pitt County Buses	4A					
	4B					
	4C					
	4D					
	4E					
	4F					
	4G					

		Year 3				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Idling & Traffic	3A	Monitor progress of walking & bike paths				
	3B					
	3C					
	3D					
	3E					
	3F					
	3G					

		Year 4				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Idling & Traffic	4A					
	4B					
	4C					
	4D					
	4E					
	4F					
	4G					

## Greenville Climate Protection Partnership Transportation Action Plan

		Year 3				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
COG Operation/Programmatic	3A	Incorporate "clean" diesel vehicle into new and replacement vehicles	Complete.	X		
	3B	Continue & refine programs of years 1 & 2				
	3C					
	3D					
	3E					
	3F					
	3G					

		Year 4				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
COG Operation/Programmatic	4A					
	4B					
	4C					
	4D					
	4E					
	4F					
	4G					

## Greenville Climate Protection Partnership Transportation Action Plan

Year 5					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
Education & Awareness	5A				
	5B				
	5C				
	5D				
	5E				
	5F				
	5G				

Year 5					
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
Walking & Bicycles	5A				
	5B				
	5C				
	5D				
	5E				
	5F				
	5G				

## Greenville Climate Protection Partnership Transportation Action Plan

Year 5						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
PCMH Vehicle Traffic	5A					
	5B					
	5C					
	5D					
	5E					
	5F					
	5G					
	5G					

Year 5						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
ECU Vehicle Traffic	5A					
	5B					
	5C					
	5D					
	5E					
	5F					
	5G					
	5G					
	5H					

## Greenville Climate Protection Partnership Transportation Action Plan

Year 5						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Pitt County Buses	5A					
	5B					
	5C					
	5D					
	5E					
	5F					
	5G					

Year 5						
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Idling & Traffic	5A	Completion with City wide idling policy				
	5B					
	5C					
	5D					
	5E					
	5F					
	5G					

## Greenville Climate Protection Partnership Transportation Action Plan

Year 5						
COG Operation/Programatic		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
COG Operation/Programatic	5A					
	5B					
	5C					
	5D					
	5E					
	5F					
	5G					

## Greenville Climate Protection Partnership Building Action Plan Infrastructure

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Education & Awareness	1A	Launch logo, theme & poster contest. Initiate meetings & workshops with building community.				
	1B	Media blitz. Benchmark energy use. Establish stakeholders working group.				
	1C	Sustainable design competition.				
	1D	Flags & banners for green building initiative.				
	1E	Include/verify energy efficient components are included in the 45-block revitalization effort.				

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Education & Awareness	2A	Yearly events such as poster contests.				
	2B	Collaboration with other groups.				
	2C	Presence at festivals/city-wide events.				
	2D					
	2E					

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Energy Use	1A	Initiate conversations with GUC about full shut-off street lights.	X			
	1B	Investigate procurement policies and feasibility of establishing a point system for vendors.				
	1C					
	1D					
	1E					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Energy Use	2A	Finalize plan to phase in full shut-off fixtures or retrofit with masking.	X			
	2B	External: Construct roads and facilities with renewable materials. Internal: Move to sustainable materials and services for COG operations.		X		
	2C					
	2D	Services & Activities: Encourage composting & recycling	X			
	2E	Pilot Project: Select a city pilot project to serve as a case study & model for other projects				

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Code Changes	1A	Review Greenville code & compare to other cities.	Greenville follows the NC State Building Code as do all municipalities.	NA		
	1B	Establish an institutional structure to support an integrated planning system.	Need clarification.			
	1C					
	1D					
	1E					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Code Changes	2A	Prepare a report after code review	Not needed as all municipal code is the same.	NA		
	2B	List available opportunities to incorporate LEED, E300, Energy Star principles into code				
	2C					
	2D					
	2E					

## Greenville Climate Protection Partnership Building Action Plan Infrastructure

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Building Materials	1A	Initiate LEED best use campaign.				
	1B					
	1C					
	1D					
	1E					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Building Materials	2A					
	2B					
	2C					
	2D					
	2E					

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Water Use & Recycling	1A	Pursue & encourage water capture		X		
	1B	Encourage new construction using water saving appliances & fixtures				
	1C	New construction water re-use systems in place				
	1D	Review LEED guidelines & seek to include in City codes				
	1E	Internal COG effort to reduce water use	COG has installed water reduction aerator on all sinks and flush valves on toilets at City Hall & Municipal Bldg	X		

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Water Use & Recycling	2A	Benchmark improvements based on per capita water use				
	2B	Review City recreation facilities for best use water practices				
	2C					
	2D					
	2E					

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Landscaping	1A	Separate awareness campaigns aimed at gardeners, landscape firms, nurseries				
	1B	Pilot project using native plants - sustainable gardens				
	1C					
	1D					
	1E					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Landscaping	2A					
	2B					
	2C					
	2D					
	2E					

		Year 1				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Recycling	1A	Increase recycling at football games	Keep Greenville Beautiful volunteers distribute recycling bags during tailgating events.	X		
	1B	Recycling containers at all City events		X		
	1C	Install recycling containers on Greenways				
	1D					
	1E					

		Year 2				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Recycling	2A	More business recycling.	The City does not service commercial properties.			
	2B					
	2C					
	2D					
	2E					



## Greenville Climate Protection Partnership Building Action Plan Infrastructure

		Year 3				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Education & Awareness	3A					
	3B					
	3C					
	3D					
	3E					

		Year 4				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Education & Awareness	4A					
	4B					
	4C					
	4D					
	4E					

		Year 3				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Energy Use	3A	Phase in all shoe-box type lights.		X		
	3B	Seek avenues for installing solar energy.		X		
	3C	Inventory City's sustainable approaches, materials & methods.				
	3D	Institute sustainable & energy efficient principles.				
	3E					

		Year 4				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Energy Use	4A	Phase in new lights.		X		
	4B	Develop avenues for more solar energy capability.				
	4C					
	4D					
	4E					

		Year 3				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Code Changes	3A	Develop a plan to amend City code where possible & most useful for sustainability	NA			
	3B					
	3C					
	3D					
	3E					

		Year 4				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Code Changes	4A	Benchmark participation	NA			
	4B					
	4C					
	4D					
	4E					

## Greenville Climate Protection Partnership Building Action Plan Infrastructure

Building Materials	Year 3				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
3A					
3B					
3C					
3D					
3E					

Building Materials	Year 4				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
4A					
4B					
4C					
4D					
4E					

Water Use & Recycling	Year 3				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
3A					
3B					
3C					
3D					
3E					

Water Use & Recycling	Year 4				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
4A					
4B					
4C					
4D					
4E					

Landscaping	Year 3				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
3A					
3B					
3C					
3D					
3E					

Landscaping	Year 4				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
4A					
4B					
4C					
4D					
4E					

Recycling	Year 3				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
3A					
3B					
3C					
3D					
3E					

Recycling	Year 4				
	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
4A					
4B					
4C					
4D					
4E					

## Greenville Climate Protection Partnership Building Action Plan Infrastructure

Year 5					
Education & Awareness	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
	5A				
5B					
5C					
5D					
5E					

Year 5					
Energy Use	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
	5A	Green roof on City Hall			
5B	All City construction should be LEED certified.	City policy dictates LEED standards depending on the size of the facility or retrofit.	X		
5C	Mixed use buildings downtown & other places.	CARL		X	
5D					
5E					

Year 5					
Code Changes	Goal	Comments	Status		
			Completed	In Progress	Not Initiated
	5A				
5B					
5C					
5D					
5E					

## Greenville Climate Protection Partnership Building Action Plan Infrastructure

		Year 5				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Building Materials	5A					
	5B					
	5C					
	5D					
	5E					

		Year 5				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Water Use & Recycling	5A					
	5B					
	5C					
	5D					
	5E					

		Year 5				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Landscaping	5A					
	5B					
	5C					
	5D					
	5E					

		Year 5				
		Goal	Comments	Status		
				Completed	In Progress	Not Initiated
Recycling	5A					
	5B					
	5C					
	5D					
	5E					

# ***ATTACHMENT C***

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***(Recycling Report)***

Action: For your information.

# Recycling Diversion Rate 2009-2014 (Tonnage)

