

25 CRESCENT ROAD, GREENBELT, MD

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SUMMARY OF PLAN

The Greenbelt Sustainability Plan Framework Document was developed over the course of several years by the Greenbelt Advisory Committee on Sustainability (Green ACES). One of the most important lessons of our work is that sustainability runs through all community dimensions and is much wider than what is typically considered "environmental." Equally important, Green ACES realized that a true sustainability plan requires the input and support of many different segments of our community, not just the input from one advisory committee.

Green ACES recommends that City Council use this framework document as a tool for a board or committee to be developed that is designated to complete a municipal sustainability plan, and that this body include representation from elected officials, all appropriate city departments, city advisory committees (such as Green ACES), interest groups, and the community at large.

This document should be viewed as a "map" to chart a course for sustainability, realizing that sustainability is an ever moving target.

This document includes recommendations for specific actions to enhance City performance in the seven following categories:

- Energy
- Food Systems
- Green Building
- Land Use
- Transportation
- Water
- Waste Management

For each category, specific goals, success indicators, and implementation measures were developed as a means to continually monitor the progress being made toward becoming a sustainable city.

GREENBELT: HISTORY AND SUSTAINABILTY

Greenbelt, Maryland, a planned community built in 1937 as part of President Franklin D. Roosevelt's New Deal, is one of three Green Towns built during the Great Depression. The project put struggling Americans to work, provided much needed low-income housing in the Washington, D.C. region and was a bold experiment in town planning and cooperative living. Its first residents enjoyed modern homes, schools, a pool, a library and a town center complete with citizen-owned, cooperative businesses including a movie theater, all within walking distance in a utopian park-like setting. The community, named for the belt of green space which surrounded it, featured efficient use of land, a system of pathways for walking and biking, and a careful blend of residential, commercial and green spaces.



Despite nearly doubling in size to accommodate WWII era housing, and steady growth through the second half of the 20th century which now includes Greenbelt East and Greenbelt West, the city's historic streamlined architecture, ample green space, and innovative design have been preserved and recognized as a National Historic Landmark. Cooperatives are still a vital part of city life. Greenbelt currently has seven cooperatives: Greenbelt Housing Inc. (GHI), its housing cooperative; Greenbelt Co-op Supermarket; New Deal Café; Greenbelt Nursery School; Greenbelt Federal Credit Union; Greenbelt News Review, its local weekly newspaper; and Rapidan Camps.

Sustainability has been an intrinsic characteristic since the community was founded 75 years ago as a planned community. As an experiment in both physical and social planning, designed as a walk-able and bike-able community, the community has continued to embrace its basic sustainability tenants. As it focuses on sustainability and the future, the City looks toward another 75 years of growth.

WHAT IS SUSTAINABILTY?

Sustainability is related to the overall quality of life in a community. sustainability does not have one single definition; however the general concept of sustainability involves the ability to meet the needs of the present without compromising the ability of future generations to meet their own needs.

Sustainability focuses on three components: the natural environment or natural resources of a community, the social connectedness among people in the community, including the education, skills and health of the population, and lastly the economic and financial prosperity of the community. This is sometimes known as the "triple bottom line." When these three components come together sustainable solutions result. The benefits of sustainability are three-fold and positively impact the environment, the economy and society.

The City of Greenbelt has long taken a leadership role in sustainability and "greening the environment." This is not something new. We take pride in being socially and environmentally responsible, two things the community believes to be intrinsically interlinked. From recycling to bike paths and the overhead tree canopies in between, the city continually strives to live as Green as possible. As the rest of the world progresses into a cleaner, more eco-friendly way of life, the City of Greenbelt plans to keep evolving with it.



FRAMEWORK FOR A SUSTAINABILTY MASTER PLAN

Developing a sustainability plan for the city is one step in an evolutionary process. The Greenbelt Advisory Committee on Environmental Sustainability (Green ACES) developed this framework document to assist the Mayor and City Council in developing just a sustainability plan.

The mission of Green ACES is to provide leadership to the City of Greenbelt on matters relating to environmental sustainability by serving the Greenbelt City Council in an advisory capacity providing guidance, recommendations, and research support on matters relating to environmental sustainability; engaging in sustainability projects and events, on its own and in collaboration with other entities that actively promote and model environmental sustainability; and educating City staff, elected officials, residents, and businesses on programs, practices, and activities that contribute to a green lifestyle.

In developing this framework document, Green ACES realized early on that a true sustainability plan requires the input and support of many different segments of our community. Despite its name and mission, Green ACES is but one of many Greenbelt advisory committees and boards, and organizations, promoting various aspects of sustainability, including trees, climate action, watersheds, community food production, vegan lifestyles, and peace & justice. These talented groups and individuals need to be brought together and to collaborate on the city's sustainability initiatives.

It is the responsibility of the City Council to adopt measures, institute organizational processes and changes, and commit sufficient resources aimed at integrating sustainability as a key component into the daily operations and activities of our government, businesses, and citizens. Successful implementation requires buy-in by the city manager, and city employees. Green ACES recommends that City Council use this framework document as a tool for a board or committee to be developed that is designated to complete a municipal sustainability plan, and that this body include representation from elected officials, all appropriate city departments, city advisory committees (such as Green ACES), interest groups, and the community at large.

Much of the development of this framework document pre-dated the launch of the Sustainable Maryland Certified program, a program aimed at helping Maryland municipalities learn about sustainability, implement green projects, and adopt sustainability practices and policies. When we began research on this task, we followed guidance recommended in the ICLEI Sustainability Planning Toolkit, which recommended creating a sustainability plan board or committee dedicated to the task. Sustainable Maryland Certified requires a municipality to form a Green Team, and recommends that this Team consist of members of elected officials, city staff, and business and community leaders. The Green Team shares many of the characteristics of the sustainability plan board or committee mentioned above and may serve this function.

This framework document should be viewed as a "map" to chart a course for sustainability, realizing that sustainability is an ever moving target.

It is with the above understanding that Green ACES has developed this Framework Document to assist the City of Greenbelt in developing a sustainability plan. This framework document includes recommendations for specific actions to enhance City performance in the seven following categories:

- Energy
- Food Systems
- Green Building
- Land Use
- Transportation
- Water
- Waste Management

For each category, specific goals, success indicators, and implementation measures were developed as a means to continually monitor the progress being made toward becoming a sustainable city.

It is often said that one cannot manage what one does not measure. We need to know where we are to gauge the progress (or regression) we make in the future. Thus, one important component of the actions we take in all categories must deal with measurement, or monitoring. The need for accurate measurement and monitoring should be a prime consideration for any goals and directives laid out by the City of Greenbelt.

WE ENVISION A GREENBELT...

Community Vision:

We envision a City of Greenbelt that has a minimal ecological footprint and supports all City stakeholders to live, work, and play in an **environmentally** sustainable manner.

Sustainability Goals

The following goals address our vision of the economic, environmental, and social aspects of sustainability.

- A. **Healthy people:** exercise; diet; lifestyle; clean air and water; lower chronic diseases.
- B. **Economic vitality:** local businesses; green jobs/businesses; incubator of ideas/research; tax base.
- C. Healthy environment: environment/resources; buildings, wildlife; biodiversity.
- D. Well-informed citizenry: internships; community/school partnerships; citizen education; outreach.

Statement on Environmental Justice

To the greatest extent practicable and permitted by law, and consistent with the principles set forth in the Greenbelt City Code, each Department of the City of Greenbelt shall make achieving environmental justice part of its mission. This will be achieved by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority, immigrant, and low-income populations in the City of Greenbelt.

Each Section is laid out with the following items:

- **Goals:** The goals describe the general aspirations for each category and should have both an indicator and target.
- **Success Indicators:** The success indicators provide a means of measuring performance or progress toward achieving the established goal.
- **Targets:** The targets represent achievable milestones for the community.

Each section is followed by an action plan for implementation.

PROMOTE ENERGY CONSERVATION, ENERGY EFFICIENCY, AND THE PRODUCTION AND USE OF RENEWABLE ENERGY IN GREENBELT'S RESIDENTIAL, COMMERCIAL, MUNICIPAL, AND INSTITUTIONAL SECTORS.

Goals	Success Indicators	Baseline Information and Possible Improvement Targets
Meet the State of Maryland's requirement to reduce greenhouse gas emissions and the Council of Governments (COG) Climate Change Initiative. COG's goals are to reduce greenhouse gas reductions by 10 percent below business as usual (BAU) levels by 2012, 20 percent below 2005 levels by 2020, and 80 percent below 2005 levels by 2050. The Greenhouse Gas Emissions Reduction Act of 2009 requires Maryland to reduce greenhouse gas emissions 25 percent by 2020, relative to 2006 levels.	Reduction of Greenhouse Gas (GHG) emissions by year compared to baseline(s) Municipal GHG reductions from 2005 levels: 2010: 24.5% 2011: Reductions projected to be much higher due to the purchase of 100% wind electricity for the July 1, 2011 to June 30, 2013 period.	Municipal eCO2 tons 2005: 3360.7

Meet the State of Maryland's energy efficiency and conservation goals. The EmPOWER Maryland Energy Efficiency Act of 2008 sets targets to reduce both per capita energy consumption and per capita	Percentage of energy saved from 2007 baseline per year per sector (municipal, residential, commercial, institutional). Municipal electricity reduction:	Municipal energy consumption – 2007 baseline: 4,600,220 kWh 2007 baseline therms of natural gas usage: 129 602
peak demand by 15 percent by the end of 2015 (based on a 2007 baseline).	2010: 5.5% Municipal natural gas reduction:	
	2010: 0.2%	
	Amount of peak energy used per year per sector (municipal, residential, commercial, institutional) and % reduction in peak energy from baseline :	
	kWh electricity consumption;	
	MBTU, therms, or cubic feet of natural gas consumption	
Meet the State of Maryland's renewable energy goals. Maryland's Renewable Portfolio Standard (RPS) requires that 20 percent of Maryland's electricity be generated from renewable energy sources by 2022, including 2 percent from solar energy.	kWh electricity produced onsite from renewable energy; renewable energy credits (RECs) for kWh electricity from renewable energy purchased Municipal renewable energy progress: Beginning on July 1, 2011 the City of Greenbelt began purchasing wind credits to offset 100% of the electricity it consumes.	

ENERGY SYSTEMS: ACTION PLAN

Steps and Actions Implemented and to Be Implemented	Completed/on- going ($$) or Target Dates for completion	Notes and/or Responsibilities
<u>MUNICIPAL</u>		
Energy Efficiency		
Design and build a high		In FY 2009, the new Public Works Facility was completed. It was
performance Public Works Facility.		designed from the outset with a variety of energy efficiency
		features, including a high efficiency geothermal heating system.
Promote LED, induction, and other high-efficiency street lighting and		In 2012, using a \$93K Federal EECBG grant, the city installed exterior LED and induction lighting at several city-owned locations.
outdoor lighting.		
Make energy efficiency improvements at the Aquatic and Fitness Center and at the Springhill Lake Recreation Center.		The Pool Pak and Heat Exhaust units at the Aquatic and Fitness Center were replaced in 2010. Two new HVAC units were installed at the Springhill Lake Recreation Center in 2011 using \$63,000 in Community Development Block Grant Recovery Act money. These improvements are expected to reduce electricity usage by 10 percent.
Encourage or require high performance sustainability standards for new Greenbelt buildings, such as in developing the land around the Greenbelt Metro		
Conduct energy assessments in all City of Greenbelt municipal buildings and make all cost-effective energy improvements.	\checkmark	Chevron audited all municipal buildings about 5 years ago, and the results are still being used to guide city decisions on making energy improvements. The City should consider having another assessment done and implementing all cost-effective energy improvements using energy savings performance contracting or utility energy savings contracting, which pays for the improvements with the energy savings accrued.

Establish a building commissioning and validation process for all Greenbelt municipal buildings and a regular schedule for commissioning all municipal buildings.	
Distribute business awards annually to Greenbelt stores selling energy- efficient appliances and products.	
Renewable Energy	
Purchase green electricity for city operations.	 The City of Greenbelt purchased enough renewable energy certificates from wind energy in the periods of July 1, 2009 to June 30, 2010, and July 1, 2010 to June 30, 2011, to offset 15% of the total electricity it consumed that year. The city agreed to purchase wind credits to offset 100% of its electricity usage for the two-year period of July 31, 2011 to June 30, 2013.
Explore solar co-ops and similar investments for using solar energy on municipal buildings and land.	

RESIDENTIAL	
Energy Efficiency	
Promote use of low-cost Energy	
STAR [™] home energy audits.	
Provide/promote/expand "tools" such as Kill-a-watt meters and thermal leak detectors to residents to help them identify areas of energy waste.	 Currently Public Works and Greenbelt Homes Inc. (GHI) each have several Kill-a-watt meters for loan to Greenbelt residents and GHI homeowners, respectively. Currently Public Works and GHI also each have several thermal leak detectors to loan to Greenbelt residents and GHI homeowners, respectively. Additional outreach is needed to inform residents of the availability of these tools
Promote WE CAN Save Energy (Earth Aid) participation.	 There are more than 100 Greenbelters signed up, but only ~ 2/3 of these are successfully linked to utilities. We need to expand promotion and sign-ups, and incorporate participating local businesses. This action was placed on hold when the website was experiencing difficulties. If and when the service is up and running effectively, we should resume promoting it, or else explore other similar services to promote.
Promote the adoption of energy conservation/ efficiency measures to Greenbelt residents (e.g., via presentations to Greenbelt Home Owner Associations, local events, etc.).	
Promote Federal, state, and county residential energy efficiency/ conservation incentives.	

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Renewable Energy	
Promote/expand sign-ups of Clean Currents/other green electricity providers.	 As of spring 2012, there are more than 250 Greenbelters signed up for Clean Currents wind electricity. We are approximately at the level to receive EPA Green Power Communities status (3% wind) à 21,000 people = 7,000 households @ 3% = 210 homes Collaborate with Washington Council of Governments, EPA, and utilities to obtain EPA Green Power Communities status.
Conduct outreach on community renewable energy if/when Maryland adopts legislation enabling this concept.	
Explore working with companies like Solar City that install and finance/own solar energy systems.	
Collaborate with PRSEA/ASES to promote the Greenbelt component of the Solar Home Tour each year.	 We started this in 2003, and implemented annually every year except for 2 years since then. We need to expand participating solar homes and greatly expand outreach efforts.
Promote Federal, state, and county residential renewable energy incentives.	

COMMERCIAL		
Energy Efficiency		
Promote WE CAN participation among Greenbelt businesses.		If the WE CAN Save Energy (Earth Aid) website becomes effective again, we should encourage Greenbelt businesses to sign on and to offer rewards/incentives to homeowners who conserve electricity.
Bring onboard local hotels into a green hotel initiative.		
Promote Federal, state, and county commercial energy efficiency/ conservation incentives.		
Renewable Energy		
Promote/expand sign-ups of Clean Currents/other green electricity providers.		
Promote/expand solar co-ops and similar investments in solar.	First system, a 21.6-kW solar array, installed.	Greenbelt Community Solar LLC was created and is exploring options for installing solar systems on government, institutional, and commercial buildings within Greenbelt. The LLC will own and operate the solar systems, while the building owners will receive the electricity they generate at a specified discounted rate. The first solar system was installed on the Greenbelt Baptist Church in December 2011.
Promote LED, induction, and other high-efficiency lighting.		
Promote Federal, state, and county commercial renewable energy incentives.		

INSTITUTIONAL

Energy Efficiency	
Collaborate with GHI in improving GHI and GHI member buildings.	 GHI is conducting a pilot study to determine the most effective and cost-effective measures to improve the energy efficiency of GHI homes, and will undertake a major renovation of GHI homes beginning in 2015.
Promote Green Sanctuary, green teams, and other sustainability programs at places of worship.	 The Greenbelt Community Church has created an active Green Team and committed to buying 100% wind electricity beginning in June 2011; the Greenbelt Baptist Church allowed Greenbelt Community Solar LLC to place a solar array on its roof.
Promote LED, induction, and other high-efficiency lighting.	
Collaborate with the Greenbelt Co-op Supermarket to conduct an energy assessment in the supermarket, establish a building commissioning and validation process, and a regular commissioning schedule. Promote Federal, state, and county	
commercial/ institutional energy efficiency/ conservation incentives.	
Renewable Energy	
Encourage GHI to purchase green electricity and to encourage its members to buy green electricity.	 On October 21, 2010, the GHI Board voted to accept a two-year contract with Clean Currents to supply the GHI Administration Buildings with 100% wind power.
Explore solar co-ops and similar investments for using solar energy on GHI and GHI member buildings and land.	
Promote Federal, state, and county commercial/ institutional renewable energy incentives.	

FOOD SYSTEMS

INCREASE LOCAL FOOD PRODUCTION IN GREENBELT AND AVAILABILITY OF LOCALLY PRODUCED FOOD IN GREENBELT.

Goals	Success Indicators	Baseline Information and Possible
		Improvement Targets
Increase Local Food Production Within	Number of Community Gardens and	Current Community Garden Inventory.
Greenbelt.	Number of gardeners	Current inventory of backyard food
		production enterprises.
	Number of backyard gardens and	
	poultry/rabbit enterprises.	
Increase availability of locally produced	Number of residents served by farmer's	Current Farmer's Market Numbers.
(150 miles) food in Greenbelt.	market or local food sections of grocery	Current Grocery Store Numbers.
	stores.	
	Amount of locally produced food available	
	for residents at farmer's markets or	
	grocery stores.	

FOOD SYSTEMS: ACTION PLAN

Steps and Actions Implemented and to Be Implemented	Completed/on- going $()$ or Target Dates for completion	Notes and/or Responsibilities
MUNICIPAL		
Establish a Full time City Master Gardener position.		
Examine policy changes for local animal husbandry.		
Examine/support forest gardening.		
Partner with federal agencies that have land to see if food production is an option (NASA, USDA).		
Provide space and support for existing and future community farmer's markets throughout Greenbelt		Already in Historic Greenbelt core
RESIDENTIAL	1	
Education and public outreach about local food production.		
Obtain Grant for Local Food System Outreach/Education in Greenbelt		
Develop a web-based directory (and/or pamphlets) of pick-your-own, organic food sources, and farmers markets.		
Conduct workshops on food production, nutrition, processing, marketing and		

preservation.		
Promote seasonal consumption and		
eating patterns.		
Promote opportunities for people to grow		
their own items.		
Promote access to and support individual		
garden plots.		
Garden plots to have access to water and		
fences to keep the deer out: devise ways		
to provide needed inputs for community		
gardens.		
Develop food production resource		
inventory.		
Promote planting of edible fruit/nut trees		
and development of edible landscapes.		
Composting	Γ	
Improve opportunities for City		Including residential, commercial, or curbside food waste
composting.		collection.
Conduct pilot project to collect organic		
wastes.		
Increase education about use of		
composting for food production.		
Utilize local compost for community		
gardens.		
Implement community based composting		
program offering low cost composting		
bins.		

COMMERCIAL	
Encourage restaurants and local eateries to purchase locally produced ingredients.	
INSTITUTIONAL	
Support partnership with schools for	
school gardens.	
Support healthy school lunches.	

GREEN BUILDING SYSTEMS

PROMOTE AND ENCOURAGE GREEN BUILDING PRACTICES IN BOTH NEW AND EXISTING BUILDING RENOVATIONS WITHIN GREENBELT'S RESIDENTIAL, COMMERCIAL, MUNICIPAL, AND INSTITUTIONAL SECTORS.

Goals	Success Indicators	Baseline Information and Possible Improvement Targets
MUNCIPAL		
Maximize green building standards and practices for new and existing buildings.	Establish baseline of LEED certified units	Additional 25% new construction reaching LEED Gold or Silver standard
Operations, engineering and maintenance for municipal buildings to be done in a sustainable manner		
Insure that healthy and efficient materials and methods are used in the existing municipal buildings.		
RESIDENTIAL/COMMERCIAL		
Maximize green building standards and practices for new and existing buildings.	Establish baseline of LEED certified units	Additional 25% new construction reaching LEED Gold or Silver standard
Seek improved building codes that utilize sustainable methods		

GREEN BUILDING SYSTEMS: ACTION PLAN

Steps and Actions Implemented and to Be Implemented	Completed/on- going ($$) or Target Dates for completion	Notes and/or Responsibilities
MUNICIPAL		
Require LEED-NC (or a similar 3 rd party green building certification) for all new buildings.		
Create "Green building maintenance" procedures for existing buildings.		
RESIDENTIAL		
Require LEED-NC (or a similar 3 rd party green building certification) for all new buildings.		
Require/recommend energy audits for existing home remodeling (if adding or remodeling over 25 percent of existing space.)		
Explore residential green remodeling certification programs.		
Establish education programs for sustainable building practices, including improvements to energy efficiency, resource efficiency, and indoor air quality.		

LAND USE SYSTEMS

SEEK TO FIND A BALANCE BETWEEN LAND USE AND LAND PRESERVATION, AND TO SEEK WAYS TO PROTECT THE ECOSYSTEMS WHILE INTEGRATING WITH THE BUILT ENVIRONMENT.

Goals	Success Indicators	Baseline Information and Possible Improvement Targets
Public/Municipal		
Reduction of existing impervious surfaces	Establish a baseline of impervious surfaces	No net increase in impervious surface
Adhere to Organic Land Care Standards. ¹	Implementation of GreenACES Pesticide Report (as approved by City Council)	Eliminate the use of toxic pesticides and herbicides and only apply pesticides, herbicides, and fertilizers for cosmetic purposes when necessary. New contracts will be held to the standards.
Increased use of environmentally friendly power equipment for upkeep of landscapes	Additional battery operated equipment in use	
Forest, wetlands, and stream corridors		
Protect existing forested lands	No loss of forest lands based on 2010 baseline	
Protect existing forested stream channels	No loss of forested stream channels based on 2010 baseline in miles of stream	

¹ www.organiclandcare.net

Restore degraded stream channels	X miles of degraded stream channels restored – 2010 baseline	
Protect and increase the existing tree canopy		New policies and standards to maintain and increase the tree canopy.
Repair and maintain wetlands		
Farmland	•	•
Increase available land for local food production	Establish baseline sites available for agriculture, including food forests	
Mix-use/Commercial Development		
All new development in should be accomplished with sustainable infrastructure	Seek to achieve at least LEED Silver certification in all new development projects. ²	
New development should seek to protect wetlands and forest land		
Residential	•	
Increase residential tree canopy	Establish a baseline of residential tree canopy	
Decrease impervious surface	Establish a baseline of impervious surfaces	
Reduced use of fertilizers, pesticides, and herbicides.		

² LEED ND website

LAND USE SYSTEM: ACTION PLAN

Steps and Actions to Implemented and to Be Implemented	Completed/on- going ($$) or Target Dates	Notes and/or Responsibilities
Public/MunicipalImplement Low Impact Development(LID) practices in new development andredevelopment of public facilities androadsDevelop and implement high-visibility LIDdemonstration projectsImplement Organic Land Care standardson public lands in Greenbelt including thefood gardening plots. These are presentedfor example in the Northeast Organic LandCare Standards (NOFA Standards) Workto eliminate the use of non-allowedpesticides and synthetic fertilizers that areharmful to the Chesapeake Bay. Usepesticides only under guidelines in theorganic standards for public healthreasons. Explore feasibility of banning theuse of non-organic pesticides andherbicides by service companies servicingGreenbelt residents' lawns andlandscapes.	for completion	Public works facility – rain garden/bioretention demonstration (2009) Organic Land Care policy adopted to eliminate cosmetic use of pesticides on city property in 2009.

Promote sustainable and safe lawn and	
landscaping practices to Greenbelt	
residences and businesses.	
Work with Public Service Commission to	
ensure that trimming, new lines, or	
additional infrastructure is installed in	
most sustainable method	
Forest and stream corridors	Buddy Attic Lakeshed management plan adopted
Protect and enhance existing forest lands	
	Forest Preserve Advisory Board established
Protect and expand existing stream	
huffers	Adopted forest protection policy and management plan for city
buildis	forest processor
	lorest preserve
	C
	Current tree canopy 62% (2010)
	Greenhill Stream channel restoration project (2011)
<u>Farmland</u>	City support of Greenbelt Garden plots
Identify opportunities for public/private	
partnership to support small farming	City support of Greenbelt Farmer's market
enterprises	

Mix-use/Commercial development	
Encourage higher-density transit oriented	
development	
Encourage mixed residential and	
commercial development	
Develop and support Low Impact	
Development practices in all new	
development	
Support County and State efforts to	
strengthen stormwater management	
practices	
Descrive mitigation for two and energy	
Require mitigation for tree and open	
space loss for new development	
Propose and that commercial manager	
adopt organia standarda	
adopt organic standards.	

Residential	
Adopt tree protection ordinances to	
support urban canopy goals	
Encourage in-fill development to reduce	
sprawl	
Provide education to minimize residential	
pesticide/herbicide/fertilizer use	
Dovelop inceptive programs for Low	
Level Development was the set of the	
Impact Development practices to retrofit	
existing homes and reduce stormwater	
runoff (ie rain barrels, permeable	
pavement, rain gardens, etc.)	

TRANSPORTATION SYSTEMS

CONNECT, UNIFY AND CREATE A TRANSPORTATION FRAMEWORK THAT IS SUSTAINABLE, EFFICIENT, CONVIENENT, RELIABLE, INCLUSIVE, CHILD-FRIENDLY, AND ACCESSIBLE – INCLUDING THOSE WITH DISABILITIES.

Goals	Success Indicators	Baseline Information and Possible
		Improvement Targets
Incorporate the concepts of collaboration,	Improved relationship with existing	Establish baseline through comprehensive
interdependence, accessibility, safety,	transportation partners	study, for scope and parameters see
universal design, and quality of life.		Appendix A
	Recommendations from Advisory	
	Planning Board for improved connectivity	
	and public transportations	
	Didorchin increases in public	
	transportation	
	Survey established for increased walking	
	and bicycle riding.	
	More sustainable public and private	
	transportation.	
Reduce dependency on and usage of	Fewer cars on the road through transit	Baseline established through Department
personal vehicles		of Transportation studies on number of
	More use of bicycles and walking	cars on the road.
	Improved public transportation options to	Pageline established through testing air
	miproved public transportation options to	guality for lower emissions
	Greenway Center and Beltway Plaza	
	Greenway Genter and Deitway Flaza	Car sharing, car pooling, zincar
	Less use of personal automobiles.	ser energy our pooning, hipour

Develop sense of community surrounding walkability and ridability, safety and accessibility	More positive attitudes and opinions of public transportation. Successful creation of alternative walk and bicycle paths to connect Greenbelt East, Greenbelt West, and Greenbelt Central. Increased safety features in all overpasses and underpasses that traverse major thoroughfares.	
Require comprehensive transportation studies on new development projects.	Reports provided to City staff and City Council prior to any decisions that approve new development projects and plans as well as major modifications to existing buildings.	These studies must show that the development plans do not have a negative impact or added major burden on the quality of life of Greenbelt residents and visitors. Quality of life factors include, but are not limited to, traffic levels, air quality, and safety. "red flag" Studies should go beyond traditional impact surveys to include electronic and passive trip counts and estimates. In addition, the study should include anecdotal information on traffic patterns. The studies should include the amount of traffic and studies for both rush hour and non-rush hour traffic as well as weekend traffic patterns and volume.

Increase accessibility to the public transportation system	Increased use of transportation systems by individuals with disabilities.	
	Improved safety and security in all Metro stations for individuals, cars, and storage of bicycles	
	Establishment of a Greenbelt circulator, with a vehicle that is a small enough to reach all areas of Greenbelt.	
	Establishment of Sunday bus service within Greenbelt.	

TRANSPORTATION SYSTEM: ACTION PLAN

Steps and Actions to Implemented and to Be Implemented	Completed/on- going ($$) or Target Dates for completion	Notes and/or Responsibilities
Create alternative walk and bicycle paths to connect Greenbelt East, Greenbelt West, and Greenbelt Central. Measure public opinion through surveys, polls, and community meetings.		Change perception of public transportation in terms of economic, social, status, and environmental issues, through outreach and public education efforts at community festivals, forums, meetings, media stories, and social networking.
Ensure bicyclist safety when constructing roundabouts and intersections. Ensure continuous bike lanes through new and modified intersections		
Collaborate with Metro, the county, and individuals with disabilities to identify and solve problems with maintenance of bus shelters and routes, especially during inclement weather.		
Institute Sunday bus service within Greenbelt, and to the New Carrollton and Greenbelt Metro stations.		
Develop "Circulator" bus system - with a vehicle that is a small enough to reach all areas of Greenbelt.		

Change perception of public transportation in terms of economic, social, status, and environmental issues, through outreach and public education efforts at community festivals, forums, meetings, media stories, and social networking.	Promote the idea of Public transportation = Public Safety location/neighborhood- specific solutions, where a community may be more interested in buses than walkability develop a sense of community of purpose, where people recognize they are not alone in their concerns about transportation issues seeing systemic issues that are first experienced as individual challenges develop Web Page dedicated to "Sustainable Greenbelt" on the city Web Site
 Improved Funding for transportation: development tax on new buildings or new ownership of existing buildings WMATA contribution to additional city transportation in order to find other feeders to the subway sharing costs with partners and communities explore the MD Transportation Trust Fund 	
Increase alternative, non-publicly funded transportation options.	

Look at private and not-for profit organization and business enterprises to provide alternatives to public transportation.		
Create "Bike Share" programs to allow individuals to use city-owned bicycles instead of cars.		
Expand program opportunities utilizing the University of Maryland shuttlebus expanded for all Greenbelt residents, not just students.		
Make greater efforts to partner with neighboring communities to create a regional transportation system		
Encourage increased visits by people from neighboring communities		
Collaborate more with merchant associations and chamber of commerce- type organizations to promote intercity cooperation among the major shopping destinations and other types of commerce and services.		
Promote electric and alternative fuel vehicles and help turn gas stations into mobility energy stations.		

Build recharging capability in various locations in all three neighborhoods of the city. Work with Home Owner Associations, Cooperatives, and		
complexes.		
Look at national and state incentives for alternative fuel vehicles and institute ways of making it more convenient to use them.		
Focus on safety and health concerns related to the transportation plan		
Create secure storage for bicycles at Greenbelt, College Park, and New Carrollton Metro stations.		
Look at safety at intersections for pedestrians, and bike riders, and along pathways, including overpasses and underpasses by providing better lighting and other safety features.		
Create pathways that are children- friendly; refocus on traditional Greenbelt values and practices regarding safety, access, and ease of use.		
Provide educational opportunities for drivers, bicycle riders, and pedestrians on safety issues for each, and how they all must work together to create a safe		

environment.		

Zero waste, i.e., to seek to eliminate the amount of materials going to the landfill and incinerators.

Goals	Success Indicators	Baseline Information and Possible Improvement Targets
Reduce total waste sent to landfill	Weight of materials taken to landfill (incorporating municipal waste as well as businesses and residents served by the city) (tons) Weight of materials taken to landfill (by contractors)(tons)	Baseline: weight of landfilled materials in 2005 (incorporating municipal waste as well as businesses and residents served by the city) (In 2005, 1935.82 tons of materials were diverted from the landfill; 2164.69 tons were landfilled; the recycling rate was 47.21%) Baseline: weight of landfilled materials in 2005 (by contractors)(tons) Target: Increase diversion rate to both groups to 65% by 2020
Increase recycling rate	Weight of materials collected curbside (tons) Weight of materials collected (incorporating municipal waste as well as businesses and residents served by the city) (tons) Weight of materials collected (by contractors)(tons)	Baseline: weight of materials in 2005 (incorporating municipal waste as well as businesses and residents served by the city) In 2005, 1935.82 tons of materials were diverted from the landfill; 2164.69 tons were landfilled; the recycling rate was 47.21%

		Baseline: weight of materials in 2005 (by contractors)(tons) Target: Increase both groups by 65% by 2020 Ultimate Target: to increase diversion rates to 95% by 2050
Increase composting	Number of households composting (self- reported)	Baseline: number of self-reported composters Target: increase number of self-reported composters
Increase yard waste diversion	Weight of yard waste taken to Northway each year (tons)	Baseline: tons taken to Northway in 2005 were 440.50. Target: increase tons taken to Northway
Increase diversion of electronics from landfill	Number of cars attending electronics recycling events and dropping off electronics (# of people). Weight of electronics brought to the events (tons).	Baseline: the number of vehicles who came to FY 2009 recycling events was 573. The number of tons collected in 2009 was 15.5 Target: increase number of vehicles dropping off electronics at recycling events. In FY 2012 the number of vehicles was 782 and the tonnage 29.26

Increase business participation in	Number of businesses participating in	
recycling program	recycling (# of businesses)	
Increase recycling in multi-family units (A)	Number of condos and number of	
condos and (B) apartments	apartment complexes that are truly	
	providing recycling opportunities (# of	
	condos/apartments)	
Increase green purchasing by the city	Adopt Greenbelt Green Purchasing policy	
	by 2013 (yes/no)	

WASTE SYSTEMS: ACTION PLAN

Steps and Actions to Implemented and to Be Implemented	Completed/on- going ($$) or Target Dates	Notes and/or Responsibilities
	for completion	
Encourage Greenbelt businesses to reduce waste stream.		Outreach to businesses. In 2013 the Greenbelt Food COOP started a recycling program.
Continue with reduce, reuse, recycle campaigns. Encourage donation drop off, recycling and composting.		
Continue with recycling campaigns. Purchase and distribute recycling rolling carts for all the City's customers. Encourage backyard composting, and donation drop off.		
Adopt "no Styrofoam" policy	\checkmark	The City is encouraging all departments to stop using Styrofoam. Vendors at the Labor Day Festival are banned from using Styrofoam.
Create "Green Festivals" policy to improve recycling and composting at all festivals within the city		Action: offer composting workshops; remind people of recycling guidelines; continue with current efforts.
Increase public awareness of reuse organizations and events (Lutheran Church Thrift Store and Flea Market;		Action: put section on website where organizations and events are being showcased; consider putting list in welcome packets
Greenbelt Nursery School Yard Sale fundraiser; GES Labor Day Book Sale fundraiser; Mamas & Papas Farmers Market Swaps; neighborhood yard sales)		Number of hits on "Local Reuse Organizations and Events" pdf file on Greenbelt website

Conduct a survey to learn more about composting habits in Greenbelt.	
Conduct annual workshops on composting.	
Start outreach campaign to encourage yard	
waste diversion.	
Conduct survey of businesses and ask who	
has a contractor who collects recycling;	
encourage recycling at businesses.	
Learn more about what each multi-family	
unit is doing to encourage recycling; work	
with the County to enforce recycling laws	
for apartments and condos.	
Conduct survey with each city department	
regarding green purchasing.	

WATER SYSTEMS

Sustainable Conservation and Management in Greenbelt

Goals	Success Indicators	Baseline Information and Possible Improvement Targets
Reduce the water consumption of Greenbelt government, households, businesses, and institutions 5% per annum beginning with base calendar year (CY) 2012.	Per year per sector (municipal, residential, commercial, institutional): Gallons of water consumption	
Support and implement Low Impact Development (LID) practices at municipal, residential and commercial sites to capture and manage 100% of 1" rain events.	City Council support of State stormwater legislation requiring site design practices to manage 1" rain events.	
Eliminate all unpermitted pollution to surface waters within the City of Greenbelt	No reported incidents of illicit discharges within City limits.	

WATER SYSTEMS: ACTION PLAN

Steps and Actions to Implemented and to Be Implemented	Completed/on-going ($$) or Target Dates for	Notes and/or Responsibilities
Municipal	completion	
Water Conservation		
Require water efficient components (toilets, faucets, etc) in all new and renovated public buildings		Renovated public works building includes low-flow components.
Develop ordinances to support the use of grey water recycling for landscape and other appropriate use		
Develop ordinances to support the use of composting toilets		
Stormwater Management		
Support County and State-wide stormwater management legislation to require LID practices	2012 legislative session	
Install and maintain "stormceptor" filters or other LID practices in public parking areas to intercept, filter, and infiltrate storm runoff. Use LID practices upon all major reconstruction/restoration of parking areas and/or storm water utilities.	\checkmark	Demonstration rain gardens constructed at Recreation Center and Public Works building
Achieve 100% capture of 1" rain events for all new development sites and major redevelopment sites.	Permit requirement for development/ redevelopment projects	

Pollution Prevention		
Strictly enforce "no dumping" ordinances	\checkmark	
to reduce illicit discharges		
Expand "Do Not Dump" storm drain	\checkmark	Coordinate with local watershed groups, schools, scout
labeling to reach all storm drains in		troops, etc for labeling activities.
Greenbelt		
Residential		
Water Conservation		
Provide residential education (and		
incentives?) for the adoption of low flow		
showerheads, toilets, and faucets in		
residential homes.		
Provide education (and incentives?) to		
minimize water use in residential and		
commercial landscaping (ie increased use		
of rain barrels/cisterns, education on		
xeriscaping, rain gardens, etc)		
Stormwater Management		
Provide education for adoption of rain		
harvesting by residents (rain barrel)		
Develop rain barrel bulk purchase	\checkmark	Bulk purchase program initiated by GHI 2007
program		
Provide education for adoption of rain		
gardens, permeable pavement and other		
site level LID practices for homeowners		

Pollution Prevention	
Provide education to residents in practices	
to reduce non-point source pollution	
(proper lawn fertilization, proper	
maintenance of vehicles to reduce	
pollution, parking lot/driveway filters, etc)	

Commercial	
Water Conservation	
Provide commercial education (and incentives?) for the adoption of water efficiency measures in apartments, hotels, and other commercial buildings (low-flow showerheads, toilets, waterless urinals, auto-sensor technology, etc)	
Provide education (and incentives?) to minimize water use in commercial landscaping (ie increased use of rain barrels/cisterns, education on xeriscaping, rain gardens, etc)	
Stormwater Management	
Implement LID retrofits to attenuate and infiltrate stormwater runoff from impervious surfaces	
Install and maintain "stormceptor" filters or other LID practices in parking areas to intercept, filter, and infiltrate storm runoff.	

Achieve 100% capture of 1" rain events for all new development sites and major redevelopment sites.	
Pollution Prevention	
Provide education to businesses in	
practices to reduce non-point source	
pollution (proper lawn fertilization, proper	
maintenance of vehicles to reduce	
pollution, parking lot/driveway filters, etc)	
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Green ACES wishes to thank past and present committee members, City Council and staff liaisons, and others who contributed to the development of this document.

I. Introduction

How does Transportation fit into a plan for a complete city? It is key to building and sustaining that complete city.

What are the elements of a complete city? Paraphrasing from a speech by President Obama: Housing, Transportation, the Environment, Jobs, Schools – are all key elements of making a complete city. These things are not mutually exclusive, but go hand in hand. Affordable housing that exists in close proximity to jobs and transportation translates to shorter trips and lower travel costs. It means safer, greener, more livable communities. It also means that the people who live, work, and play in a city can more easily connect and to each other, increasing commonly shared experiences which strengthen the sense of community

Transportation is key to long term economic sustainability and redevelopment of the City. For example, Greenbelt has a high office vacancy rate, including all of one building where Hewlett Packard was located. Increasingly, businesses focus on a City's transportation program, as well as its environmental, educational, recreational and cultural offerings as items that will attract or deter movement to our City.

Related to this is job development within Greenbelt. If greater numbers can walk, bike, or shuttle to jobs that are in Greenbelt, and not in Rockville or Arlington, the result could very well be less travel on the Beltway, BW Parkway, and other arteries. That will reduce both the carbon emissions released into the air and the cost of maintenance on those arteries since they will be used less.

The restructuring of WMATA's and the County's bus services will be a challenge to our residents. One long-term solution is the introduction of a true circulator bus program. While funding is a key question for all of our City's services, a circulator could be operated through an expanded Greenbelt Connection program. Among the major points that the circulator would connect: The major shopping centers, major employers, and the post office, as well as parks, recreation areas, and schools in all parts of our city. We also need to look at nearby destinations, too.

To help reduce the time for bus commutes to Greenbelt and New Carrollton metro stations, we should explore creating separate bus lanes and stop lights that allow busses to move on in their separate lanes. The experience of car drivers and riders watching busses go by as they wait at the light might, on its own, create a new market of bus riders.

We need to work towards the elimination of the disincentives to use mass transit. One example: a fellow Greenbelter who biked to the Greenbelt Metro to access the Green Line Metro to L'Enfant Plaza and work discontinued that practice when bike racks tripled in cost. Now, he drives to work. Another Greenbelter's bike was stolen at the Metro station, even though it was securely locked to the bike rack. Greenbelters in all parts of the city, but particularly residents who live within walking distance of the Metro station, are deterred by a high incidence of crime for people walking to and from the station.

A sustainable transportation framework means a community that can get to and from work, within Greenbelt or in DC, Virginia or Baltimore, without having to depend on a personal vehicle. It means a community where residents can get to and from home to civic, recreational, cultural, environmental, and other types of community-oriented activities without personal vehicle dependence. This helps erase the divide between our major sectors. It also means that folks from our region can access our amenities more easily as well, helping to make each of those offerings more sustainable.

Offering reliable and frequent, streamlined, mass transit alternatives, in tandem with strengthening existing pedestrian and bicycle pathways, which include providing secure underpasses and overpasses, also help erase the physical divisions of the tri-sected City.

Consistent with City plans that go back to 1979, plans for additional overpasses and underpasses should be considered for safer access across major arteries such as Greenbelt Road. These overpasses will allow access from Old Greenbelt to Greenway Center, from Greenbelt North (adjacent to Lakeside North / Police Station) to Franklin Park at Greenbelt Station, and a bike path from the Greenbelt Metro Station, through Greenbelt and continuing to Goddard Space Flight Center.

It needs to be pointed out that those skyways, overpasses, and underpasses require the input of respective communities, as well as the various appropriate city departments and advisory boards. They need to be pro-active in the design and implementation of welllit, safe passages that go hand in hand in encouraging frequent use. In Greenbelt's earlier days, one could walk underground from the Middle School (then Greenbelt Junior High) in a spillway under Kenilworth Avenue, and arriving out by the Lake and the American Legion.

Lighting for these passages, as well as sidewalks in all parts of the City, is critical. For example, improved lighting for the pathways in Franklin Park is just one area noted in community meetings that will create a safer Franklin Park. Lighting, obviously, should be "green", by using modern technological advances, such as LED fixtures. Video cameras, as well as increased police and citizen patrol will provide added security. The more attractive, reliable, frequent, safe, and available passages for alternative movement (bus, bike, Segway, foot, etc.), the better.

Benefits to investing in our local transportation framework are numerous. The more people are using alternatives, the need and use of personal vehicles should result in less wear and tear on the roads. That will yield a cost savings for road maintenance. Increased participation in community offerings could also result - young folks will not have to rely on their parents to drive them to practice or games, as one example. Finally, fewer emissions yield a cleaner environment, fewer cases of asthma and other health related negative impacts.

Regarding the use of personal vehicles, the City should urge that the State of Maryland encourage/require gas stations to offer alternative fuels. This might include tax incentives to fuel stations to move them in the right direction. This is one of the priority items the City Council is going to be urging state legislators to take on in the next legislative session in Annapolis. Another is to establish electrical recharging stations throughout the city for electric cars and other electric vehicles. Another possible solution would be any necessary modifications of traffic laws to encourage the use of electric "golf" carts for short trips.

Finally, the city should create a bicycle-friendly environment by installing secure racks and sheds in Roosevelt Center, each of the Recreation Centers, and other destinations.

II. Creating a Comprehensive Strategic Transportation Plan for Greenbelt

A. Major aspects of, and goals for, the GreenACES Strategic Plan for Transportation

1. Connecting, unifying, and creating a framework that is sustainable, efficient, convenient, reliable, inclusive, child-friendly, and accessible (in all senses of the word).

2. Incorporate the concepts of collaboration, interdependence, accessibility, safety, universal design, and quality of life. B. Making Greenbelt attractive

1. To other communities that supply sustainable connections.

2. To bring Green businesses to Greenbelt by improving our connectivity within the city, as well as to the city from outside communities.

C. Develop Plans and measurable goals

1. Short term (1 - 3 years)

2. Medium term (3 - 15 years)

3. Long term (15 - 30 year)

4. Review and update goals yearly to reflect changes that occur that affect the accomplishment of these goals.

D. Create several working groups

1. Utilize a logical framework

2. Look at the Who, What, Where, Why, and When, as well as the How of a comprehensive and sustainable transportation plan.

E. Look at transportation options other than WMATA and THEBus

1. Expand city transportation opportunities and options

2. Seek funding for the county, state, and Federal diverted to the city

3. Explore alternative funding for transportation; public, local businesses, Federal, state, and local grants.

F. Learn from the experiences of other cities with mature sustainability programs.

1. Alexandria, VA: threshold radius from the city within which a coalition of entities/stakeholders was created; contributions to public transportation from within that radius.

2. Portland, OR: Dedicated Web Site, "Sustainable Portland" provides information on all forms of alternative transportation; includes updates on community activities, and notices/announcements relating to sustainability efforts of the city.

3. Denver, CO: small scale/mini regional plan; 7 adjoining counties created a funding base and financial investment process; increase in sales tax \$.01 for every \$10.00 for transportation; include a commitment to move the region forward when the planning becomes a connective investment.

G. Create a comprehensive "Sustainable Greenbelt" Web Site

1. Modeled after the "Sustainable Portland" Web Site.

2. Resides in the City's Web Site

3. Links to the GreenACES Web Site that is

H. Encourage WMATA to look at bus transfers

1. Set up so people have time to shop, then get back on the bus without additional payment to continue to do errand

2. Look at Los Angeles transfer program: allows getting on and off bus with a timed transfer; allows multiple destination stops and time to spend at each destination; use the transfer as many times as you want as long as you continue in the same direction

I. Utilize the 4-cities coalition

1. Greenbelt, Berwyn Heights, College Park, and New Carrollton

2. Develop a regional solution to transportation challenges.

J. Increase communications and explore common areas of interest

1. Neighboring communities of Beltsville, Bowie, Cheverly, Edmonston, Glenn Dale, Hyattsville, Lanham, Laurel, Riverdale, University Park

2. Other planned communities of Columbia and Reston.

3. Incorporated cities in Maryland that are similar in size to Greenbelt (20,000 - 30,000) -- Laurel, College Park, Cumberland, and Salisbury.

L. Address general issues

1. Design vs. retrofit

2. Isolation vs. integration

3. Inclusion vs. exclusion.

M. Look at how people connect with Greenbelt:

1. Those who live and work in Greenbelt

2. Those who live in Greenbelt and work outside

3. Those who work in Greenbelt and live outside.

N. Research how the other two Green Towns have developed their transportation systems

1. Unique to these towns?

2. Part of the larger community in which they are located?

3. Other special aspects?

III. Elements of a Comprehensive Transportation Plan for Greenbelt and Neighboring Environs

A. For each of the short, medium, and long-term goals, develop and implement plans:

1. Phase 1 - Identify needs; solicit input from identified allies and stakeholders

2. Phase 2 - Address needs, develop comprehensive Strategic Plan

3. Phase 3 - Identify private and public sector funding sources, community support, education and outreach, public hearings,

reach out to three or four neighborhoods of Greenbelt,

4. Phase 4 - Implementation

B. Focus Levels

1. Non-motorized Individual Movement on Sidewalk/Pathways

a. pedestrian

b. wheelchair/walker

c. bicycle

d. personal mobility device

2. Motorized Individual Movement

a. motor scooters

b. motorcycles

c. cars

d. golf cart or other electronic vehicles

e. power wheelchairs and mobility scooters

3. Small Group

a. carpool/vanpool

b. ParaTransit

c. shuttle bus d. circulators 4. Large Group a. bus – WMATA and THEBus b. subway

C. Issues

1. Access

a. pedestrian/bicycle/mobility overpasses for four major arteries cutting across/dissecting Greenbelt: Kenilworth Avenue, Greenbelt Road, Baltimore Washington Parkway, and Interstate 495/95

b. easier access from bus stops to commerce centers, i.e., Roosevelt Center and Beltway Plaza.

c. connecting GAC and old Post Office space to upper plaza in Roosevelt Center.

d. make Roosevelt Center more pedestrian- and bus rider-friendly at entrances to Roosevelt Center other than from Crescent Road and Parkway Road

e. develop electricity recharging stations around Greenbelt for electric vehicles

f. make Greenbelt more bicycle-friendly by providing secure tie-down areas for bicycles around the city

g. develop greater capacity and availability for city-supported zip-cars, bicycle rentals, and bicycle sharing.

h. develop pedestrian/bicycle pathways around city

i. make it easier for those who must use their cars for transportation needs, i.e., individuals with disabilities.

j. how do people get to and from selected destinations within and outside the Greenbelt city limits?

k. explore moving the bus bays from Crescent Rd to Centerway or on the back side of the Roosevelt Center

2. Funding

a. development tax on new buildings or new ownership of existing buildings

b. WMATA contribution to additional city transportation in order to find other feeders to the subway

c. sharing costs with Allies

d. explore the MD Transportation Trust Fund

3. Stakeholders

a. UMCP shuttle bus

b. community of practice - group of people who share a concern or a passion for something they do and learn how to do

it better as they interact regularly.

c. identify the vested interest of stakeholders and allies

4. Communication, Education, and Public Outreach

a. promote the idea of Public transportation = Public Safety

b. location/neighborhood- specific solutions, where a community may be more interested in buses than walkability

c. develop a sense of community of purpose, where people recognize they are not alone in their concerns about transportation issues

d. seeing systemic issues that are first experienced as individual challenges

e. develop Web Page dedicated to "Sustainable Greenbelt" on the city Web Site

4. Miscellaneous

a. incentives other than environmental sustainability: economic, time/efficiency, convenience, diversity/expansion of opportunities, and connectivity

b. institute a no-idling law for buses when stopped for extended periods of time, i.e., Roosevelt Center transfer point

c. creation of bus lanes

d. look at the interconnection of residential, commercial, recreation, educational, religious, and cultural and the concentric circles of connectivity

D. Major Stakeholders/Allies

1. UMCP [Transportation Office]

2. WMATA [TRU-G contacts]

3. GSFC [Transportation Office, Office of Human Capital Management, Management Operations Directorate]

4. Prince George's County Department of Public Works and Transportation [Bus people]

5. Franklin Park [Management Office]

6. GEAC and other HOA's [Contact list from TRU-G, City of Greenbelt, and GreenACES Web Sites

7. Federal Court House [Administrative Office]

8. BARC Transportation Office, Office of Human Capital Management, Management Operations

9. DWT [???]

10. Advisory Planning Board Rep. [George Branyan], Bike & Pedestrian Planning- [Amy Hofstra]

11. Greenbelt Bicycle Coalition [Bill Clarke]

12. [Bob Cahalan], GSFC bike path champion.

13. Transit Riders United-Greenbelt [Jen Errick]

14. Selected Destinations [Choose major destinations within each category]

15. Greenbelt community organizations [Those that deal with people issues]

16. MARC [Same office types as for WMATA and TheBus]

17. The city of Greenbelt [Department of Public Works, Department of Transportation]

E. Selected Destinations

1. Residential

a. Boxwood Civic

b. Charlestown Village Condominiums

c. Franklin Park at Greenbelt Station d. Greenbelt Homes Inc (GHI) e. Greenbriar f. Green Ridge House g. Greenwood Village h. Hunting Ridge Condominiums i. Lakeside j. Lakewood k. Ora Glen l. Parkside at Greenbelt m. Windsor Green n. Woodland Hills 2. Commercial Shopping Centers a. Beltway Plaza b. Greenway Center c. Cipriano Square d. Eastgate Shopping Center e. Roosevelt Center f. The Market Place Shopping Center g. Free State Mall Shopping Center h. Hill Top Shopping Center i. Enterprise Shopping Center j. Lanham Shopping Center k. Hollywood Shopping Center 3. Recreation Centers/Areas a. Springhill Lake Recreation Center b. Schrom Hills c. Lake Artesia d. Indian Creek Park e. Buddy Attick Lake Park f. Greenbelt Regional Park g. Seabrook Park

i. Palmar Park

Gaywood Neighborhood Park
Hollywood Recreation Center

4. Schools

Greenbelt Elementary
Springhill Lake Elementary
Springhill Lake Elementary
Roosevelt High School
Robert Goddard Middle School
Robert Goddard Middle School
NuVal High School
home school associations
religious schools
charter schools
University of Maryland, College Park
Capitol College

a. synagogues

b. churches

c. mosques

6. Large employers

a. aerospace

b. Doctors Community Hospital

c. shopping centers

e. hospitality/hotels

7. Cultural

a. Greenbelt Arts Center

b. Old Greenbelt Theater

c. Academy 8 at Beltway Plaza Movie Theater

8. Restaurants/Night Spots