

CITY OF SALISBURY
WORK SESSION
FEBRUARY 18, 2014

Public Officials Present

Council President Jacob R. Day Council Vice President Laura Mitchell
Mayor James P. Ireton, Jr. (left at 4:15 p.m.) Councilman Timothy K. Spies

Public Officials Not Present

Councilwoman Eugenie P. Shields
Councilwoman Terry E. Cohen

In Attendance

City Clerk Kimberly R. Nichols, CMC, Assistant City Administrator Terence Arrington, Public Works Director Michael Moulds, Deputy Public Works Director Amanda Pollack, interested citizens, and members of the press.

On February 18, 2014 Salisbury City Council convened in Work Session at 1:30 p.m. in Conference Room #306 of the Government Office Building. The focus of the Work Session was to discuss various environmental matters and topics important to the City.

“Stash Your Trash”

President Day welcomed Priscilla Timpkin to join Council at the table to discuss the “Stash Your Trash” slogan. Ms. Timpkin explained that through her business, Chesapeake Tours & Promotions, she has received funding for the past two years from the Wicomico Partnership for Family and Children to develop heritage activities in after school programs. She reported that she was teaching sewing to children as a heritage activity and decided to combine that activity with the completion of a community project.

The project selected, entitled “Needle Pulling Thread”, addresses litter awareness and allows children to participate in producing a handmade community quilt, incorporating the slogan “Stash Your Trash”. The slogan has been adopted, partners have been identified, a logo is in production, and the quilt is approaching completion. The patchwork quilt has been completely designed and signed by all participating students (elementary through high school age students) and will be displayed at the Salisbury Festival for members of the public to sign in hopes that the slogan will become familiar and remind people to not litter. Salisbury University students are in the process of developing a marketing campaign to promote awareness during the Festival.

Council discussed ideas in which stickers or labels with the slogan could be attached to trash cans, storm drains, etc. Council reached unanimous consensus to support “Stash Your Trash.”

Healthy Eating Active Living (HEAL) Cities & Towns Campaign

President Day discussed the drafted resolution in support of the HEAL project and articulated three (3) elements the Council might consider as objectives of the City in order to combat obesity and health

issues. They include a high quality built environment, access to recreational space, and access to healthy food (handout is attached and made part of these minutes).

Mayor Ireton indicated the City Park Committee could be brought into the process by addressing the connectivity and access to recreational space issues when they discuss the City Park Master Plan, and he would share the Council's drafted resolution with the committee. He also thought that Neighborhood Services & Code Compliance may have data on City lots not large enough to sustain buildings after Mr. Spies suggested many City lots may be suitable for community gardens.

Council reached unanimous consensus to continue the discussion at the March 17, 2014 Work Session and to consider the drafted resolution for Legislative Session.

Environmental Policy Task Force

Public Works Director Mike Moulds joined Council and presented a PowerPoint (attached as part of these minutes) on the accomplishments of the Environmental Policy Task Force for the year 2013. He reported the Task Force, organized in 2008 by former Mayor Tilghman, has been fully supported by Mayor Ireton in its recommendations for implementation.

After Mr. Moulds completed the presentation, Mayor Ireton discussed the following ideas with the Council:

- Old vehicles will be phased out and replaced with more economical Ford Fusions for Police Detectives to use
- The MOU for Snow Removal with the County could be overlaid with Street Sweeping
- Has the time come for a plastic bag law?
- Free newspapers should be outlawed from being left on streets and lawns
- Is it time to discuss mandatory recycling?
- Reversing the sizes of recycling and trash containers
- Continue to request Mr. Jakubiak and Public Works to underscore LEED Certified buildings as new developments come into the City

President Day suggested that work should be continued on the long term goals and the goals not accomplished yet should be identified as part of the next plan. Mayor Ireton will develop a matrix and return to Work Session to discuss with Council how they would like to proceed.

Council took a five (5) minute break and re-convened at 3:35 p.m.

Wicomico County Waste to Energy Program

Wicomico County Public Works Director Lee Beauchamp was invited to join Council at the table to discuss the County's environmental efforts concerning municipal solid waste. He presented the PowerPoint presentation entitled "Wicomico County Waste to Energy Project" (attached as part of these minutes).

After discussion, President Day indicated the City will consider some changes to waste collection procedures in the near future to streamline the process and will keep the County informed of its progress.

Stormwater Management Public Education Initiative

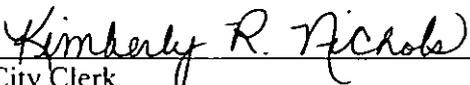
Ms. Karen Lukacs, Director, Wicomico Environmental Trust, (WET) joined Council and presented the PowerPoint entitled "How to Tell the Stormwater Story" (attached as part of these minutes). The presentation was given to support the City's new Wastewater Utility.

Ms. Lukacs informed Council she was currently writing two grant requests and needs a slogan and logo. She availed herself and WET to go out into the community to talk with various groups including clubs, constituent groups, neighborhood associations, Mayor's Neighborhood Roundtable, and the Business Roundtable about the importance of stormwater management. Mrs. Mitchell suggested the slide show could be presented during the next *Coffee With Your Council*, to be held on February 25, 2014.

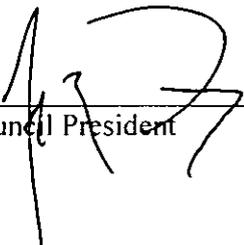
Discussion points included:

- Incorporating sludge into the soil to improve and enrich it
- Landscaping community could be trained to educate their customers in soil enrichment and native plants, many of which thrive in sandy soil
- PAC14 should be used to showcase stormwater management and educate the public
- Ms. Lukacs' community discussions should encompass City flooding issues
- The irresponsibility on relying on property tax revenues to repair the outdated infrastructure system, which only leaves the City prone to not doing enough
- Having a utility will enable the City to be very clear about how the monies are collected will be used (results oriented fee)
- Best management practices for lawn and garden maintenance
- Citizens will want to know the dollars will be spent locally

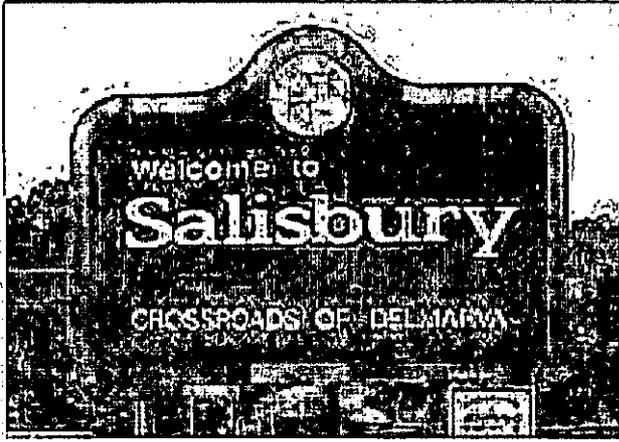
There being no further discussion, President Day adjourned the *Environmental Work Session* at 4:47 p.m.



City Clerk



Council President

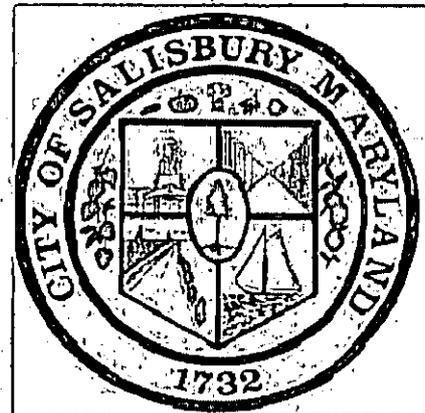
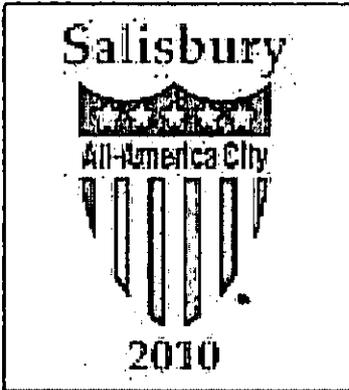


City of Salisbury

Environmental Policy Task Force

Accomplishments

2013



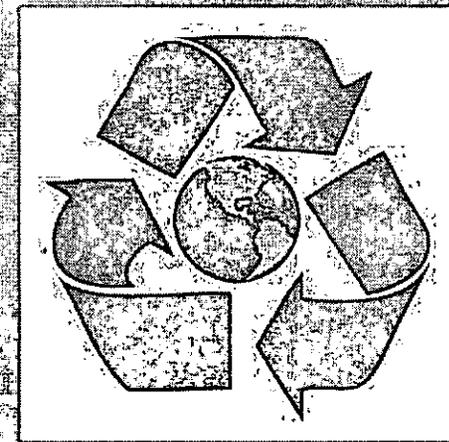


BACKGROUND

The Salisbury Environmental Policy Task Force was organized in 2008 by the Mayor Tilghman. Mayor Ireton subsequently took up the recommendations of the committee. The Committee was made up of a wide variety of City and County residents who were charged to deliberate and make recommendations to reduce the environmental impact of the City and her citizens.

In March of 2009 a final report was published with 22 recommendations classified in the following categories:

- City Facilities, Energy Use and Operations
- Water and Wastewater
- Public Open Space
- Sustainable Design



Each recommendation was also designated as a high or medium or low priority.

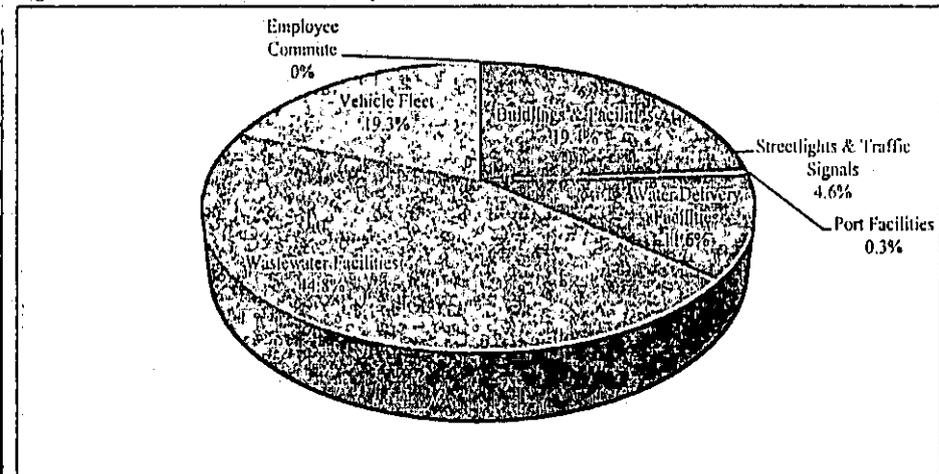


BACKGROUND

In September 2010, the City also became a member of the International Council for Local Environmental Initiatives (ICLEI). ICLEI is a membership association of local governments committed to advancing climate protection and sustainable development. The purpose of this membership was to give the City the opportunity to complete a greenhouse gases inventory baseline to serve as a reference point for future inventories. The government operations analysis consists of gathering data from several categories: Buildings & facilities, Streetlights & Traffic Signals, Port Facilities, Water Delivery Facilities, Wastewater Facilities, Vehicle Fleet and Employee Commutes.

In May 2011 an Inventory of the Greenhouse Gas Emission for the City of Salisbury was completed. The report established a baseline of 2009 for carbon dioxide emissions at 10,668 metric tons. This baseline will be used to measure future success by the City in implementing future environmental policy recommendations.

Figure 1: Greenhouse Gas Emissions by Source



Environmental Task Force Policy Recommendations for the City of Salisbury

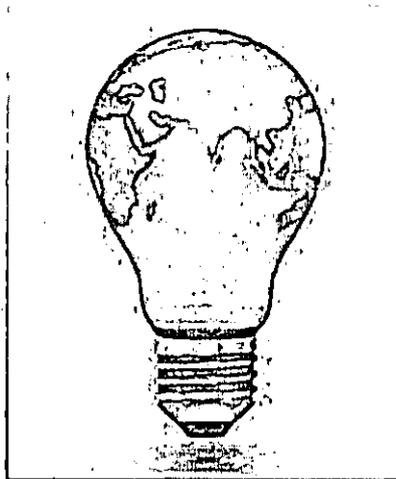


SUMMARY OF RECOMMENDATIONS

	Priority	Cost	Completed/ Ongoing
A. City Facilities, Energy Use and Operations			
A-1 Stormwater Utility and Management	High	High	✓
A-2 Asset Management	Med	Low	✓
A-3 Remote Data Collection System for Work Orders	Low	Med	✓
A-4 Track Energy & Water Use by Department	High	Med	✓
A-5 Purchasing Electricity from Sustainable Sources	High	Med	✓
A-6 Funding for Energy Efficient Upgrades	High	Low	✓
A-7 Energy Efficient Street Lighting	Med	High	
A-8 Energy Efficient Traffic Lighting	Med	Low	✓
A-9 City Vehicles: Maintenance, Use and Alternatives	Med	Low	✓
A-10 Traffic Flow Optimization	High	Low	✓
A-11 Modify Work Crew Schedules	Low	Low	
A-12 Green Cleaning Products	High	Low	✓
B. Water and Wastewater			
B-1 Upgrading City Plumbing Code	High	Low	
B-2 Reduce Water Consumption and Sewer Discharge	High	Low	
B-3 Water Conservation and Recycling	High	Low	
C. Public Open Space			
C-1 Director of Sustainability	High	High	
C-2 Management and Acquisition Plan for Green Space	Med	High	
C-3 Develop Recreational Trails	Med	High	✓
C-4 Urban Tree Canopy	Med	Low	
D. Sustainable Design			
D-1 Green Building Standards for City Construction	Med	High	
D-2 Green Building Code	Med	High	
D-3 Green Land Development Policies	Med	High	✓

2013 PROGRESS

This presentation is intended to provide an update on the progress made through 2013 on implementing the recommendations of The Salisbury Environmental Policy Task Force.



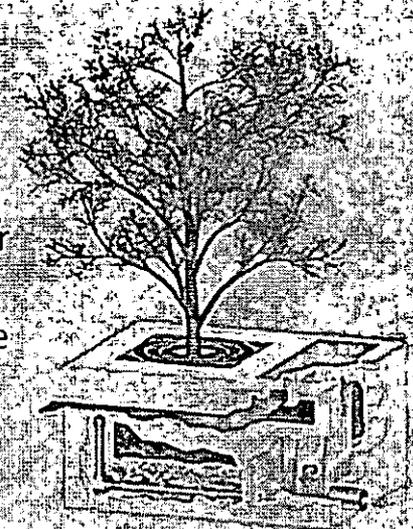
High Priority

STORMWATER UTILITY AND MANAGEMENT

A greater awareness of the contributions of stormwater runoff toward increased nutrient loading in the Chesapeake Bay has increased the focus of stormwater quality. The Department of Public Works is responsible for review and enforcement of new development stormwater management plans. Environmental Site Design is now required at the conceptual stage of development planning to make the best use of environmental features to naturally treat stormwater runoff and minimize the impacts of new impervious areas such as rooftops and parking lots.

The Department has also implemented stormwater retrofits of existing facilities to reduce pollutants from entering our waterways. Stormwater outfall trash nets have been installed on the Waverly Drive outfalls to collect trash and debris. Bioretention inlets are being utilized to capture the first flush of stormwater that carries most of the nutrients using a biological infiltration filter. To date, 110 inlet filters have been installed.

Another effort is the construction of a pilot bioretention area project to replace approximately 5,000 square feet of asphalt paving in a municipal parking lot near the Wicomico River to improve infiltration of stormwater where nutrients can be absorbed instead of directly discharged into the river.



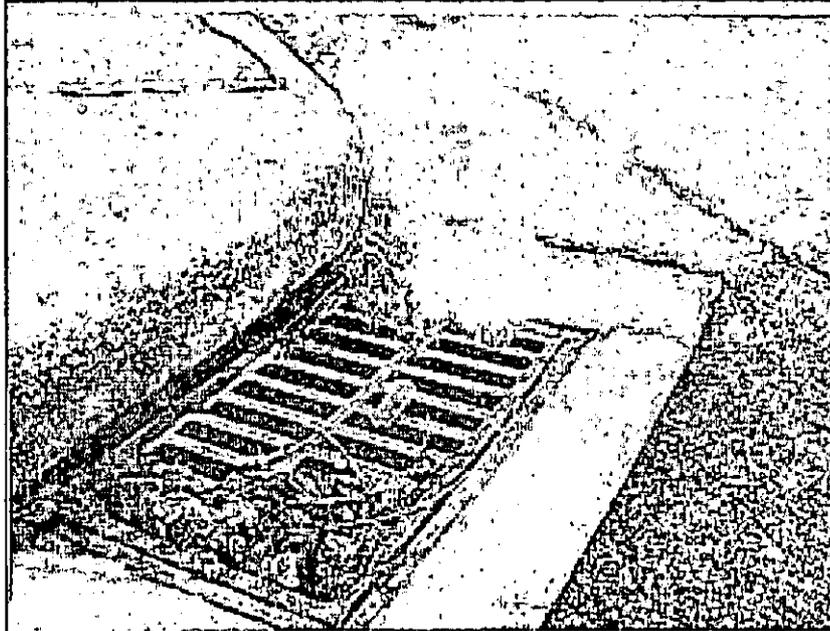
High Priority

STORMWATER UTILITY AND MANAGEMENT

In September 2011, the University of Maryland's Environmental Finance Center (EFC) was contracted by the City of Salisbury to conduct a stormwater financing feasibility study. The goal of the study was to recommend a long-term dedicated funding

stream that is equitable and effective in generating sufficient revenue for the City to maintain a comprehensive stormwater program. Such a financing stream is necessary to address the specific control measures that the City must implement in order to meet its Phase II Municipal Separate Storm Sewer System (MS4) permit requirements and achieve goals for reducing nutrient loading to the Chesapeake Bay as outlined in the County Watershed Implementation Plan. The evaluation concluded that a stormwater utility is the most appropriate long-term financing approach for the City of Salisbury.

It is recommended that the funding be programmed to identify and repair illicit discharges, complete small Capital Improvements Projects, perform flood mitigation projects, expand the street sweeping program, and collect data in preparation for the Watershed Implementation Plan activities. The Stormwater Utility will serve to improve infrastructure with the end goal of improving overall water quality. A Stormwater Utility Fee Ordinance is currently under consideration by the City Council.

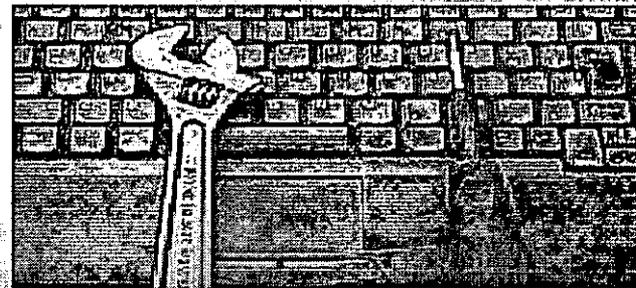


Medium Priority

ASSET MANAGEMENT

In 2010, The City purchased City Works asset management software to improve workflow and tracking of service requests and inventory. City Works has been implemented at the Department of Public Works Streets and Sanitation Division and Water and Sewer Utilities Division. These two Divisions see a majority of service requests from the public including:

- Street Repairs
- Street Sweeping
- Streetlight Outages
- Trash Collection Requests
- Water Line Service Repairs



Optimizing City assets helps avoid duplication of effort and improves efficiency in performing daily functions of the Department of Public Works. The City Works software program improves tracking of repair work and service calls as well as inventory and crew assignments. The software allows input of service requests and tracks the process from beginning to end providing a breakdown of costs, permits scheduling of work to reduce travel and down time and better inventory control. Customers calls can be addressed more promptly and a follow up can be provided to the customer to notify them of the completion of the work.

Low Priority

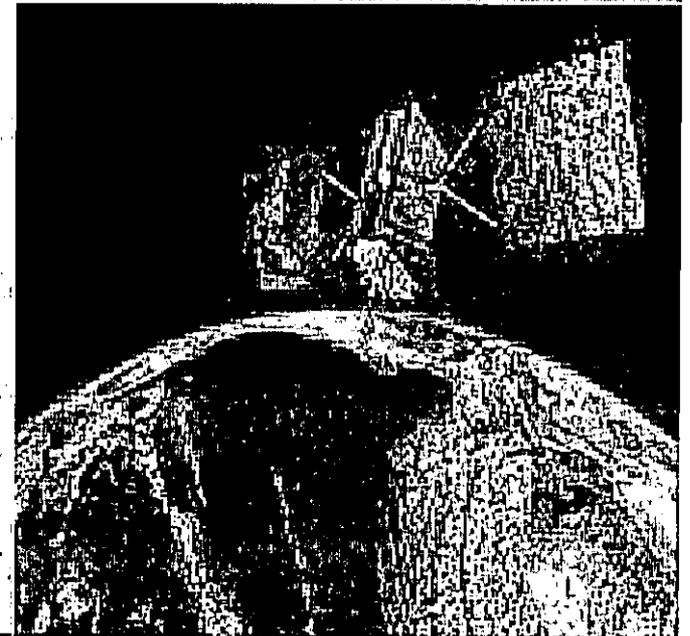
REMOTE DATA COLLECTION SYSTEM FOR WORK ORDERS

In 2013, the software was made web based to allow expansion of the software to more users through out the City and to increase access in the field.

The City Works software will allow integration of assets into a Geographical Information System (GIS) to track and locate inventory.

GPS capability is also being utilized to track and monitor City snow plows to improve effective use of snow plows to complete routes.

Plans in 2014 are to request \$3,500 in funding to expand GPS tracking to include street sweeping to document compliance as a best management practice for stormwater quality.



Electric Usage

Gas Usage

Water Usage

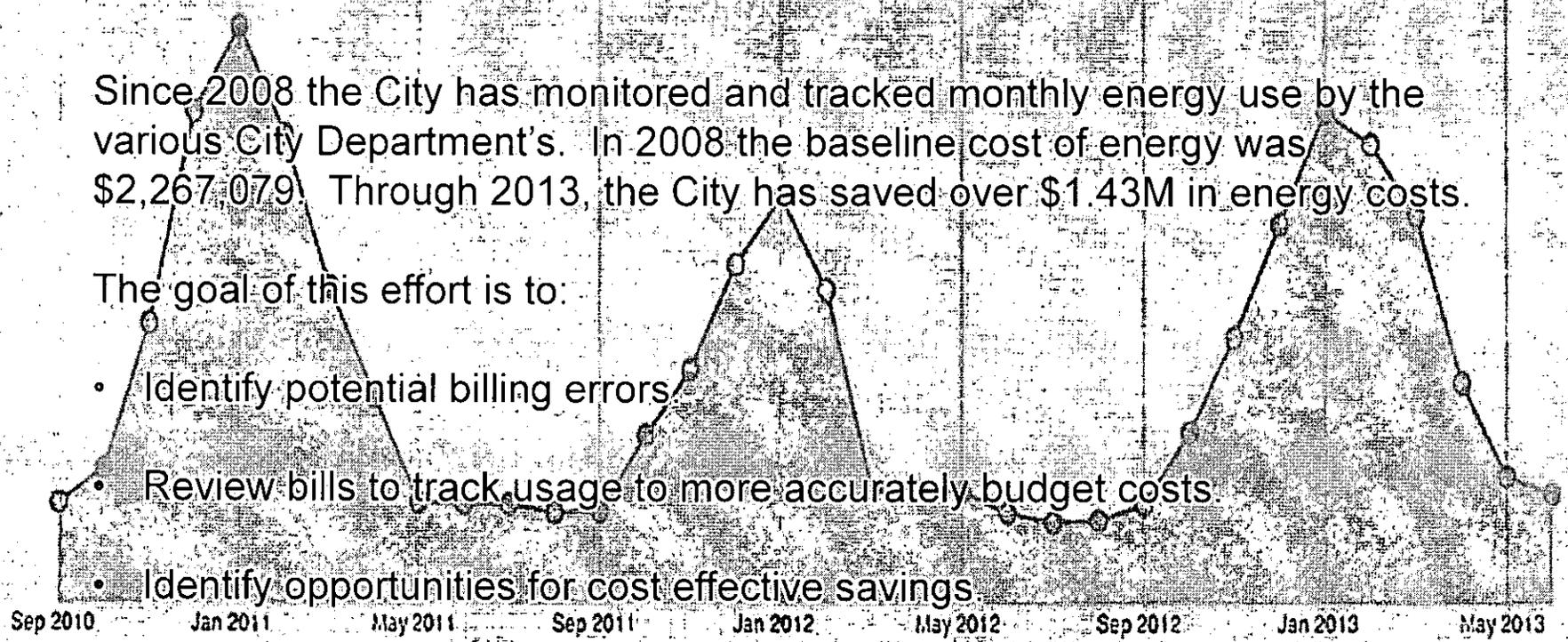
High Priority

TRACK ENERGY & WATER USE BY DEPARTMENT

Since 2008 the City has monitored and tracked monthly energy use by the various City Department's. In 2008 the baseline cost of energy was \$2,267,079. Through 2013, the City has saved over \$1.43M in energy costs.

The goal of this effort is to:

- Identify potential billing errors
- Review bills to track usage to more accurately budget costs
- Identify opportunities for cost effective savings



Electricity



Water

Comparisons



Statements

High Priority

PURCHASING ELECTRICITY FROM SUSTAINABLE SOURCES

The City has been effective in reducing the cost of energy by negotiating electricity procurement supply service contracts.

Competitive procurement of electricity is estimated to have saved the City almost \$327,000 in FY 2012 as a result of a 12.7% reduction in the unit cost for electricity supply.

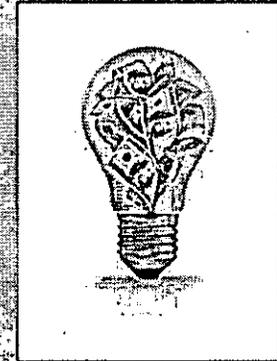
Competitive procurement allows the City to negotiate with utilities to require that a certain percentage of energy supplied to the City must come from sustainable energy sources.

In 2014 the City will obtain 12.8% of its electrical energy from sustainable energy. The City will also benefit from negotiating a new electrical supply contract in June 2014 which will see an estimated savings of 23% in the cost/kWh.

High Priority



FUNDING FOR ENERGY EFFICIENT UPGRADES

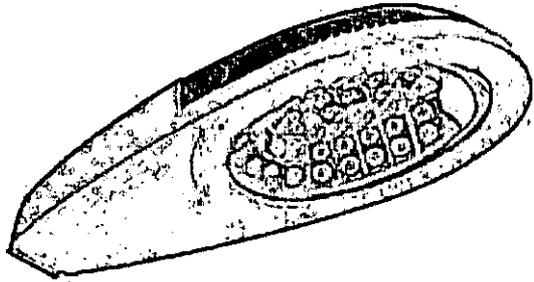


The City has been successful in implementing a series of projects using a combination of operating budget funds, State of Maryland Energy Administration grants and revolving loans, and Department of Energy grants in FY 2010 and 2011. The total investment was \$625,800. The resulting reduction in energy costs in FY 2012 was estimated at \$217,445.

The following projects were completed:

	Investment	Annual Savings
Parking Garage Lighting Conversion to LED	\$142,000	\$37,200
Light conversions T-12 to T-8 bulbs, programmable Thermostats, Light photocell/occupancy sensors	\$ 80,000	\$34,345
Fire Sta. 16 Energy controls, HVAC unit replacements Additional energy efficient lighting upgrades	\$147,300	\$60,600

Medium Priority



ENERGY EFFICIENT STREET LIGHTING

The Department of Public Works installed three first generation LED streetlights Downtown in 2011 to evaluate operation and performance.

As the cost of the LED lights has dropped and performance has improved, the Department is pursuing funding to increase the use of LED streetlights to reduce electric and maintenance costs.

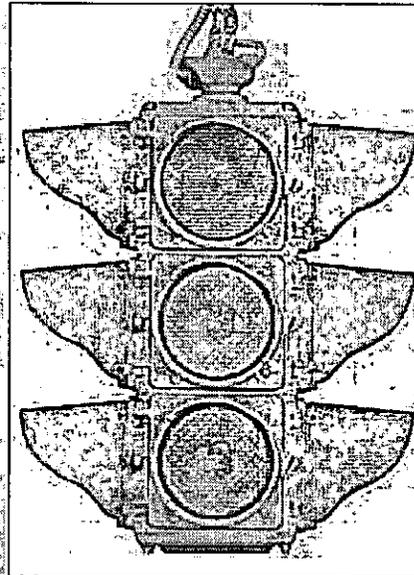
There are 1347 City owned streetlights. The return on the investment in the conversion to LED lighting is estimated at 18 to 24 months.

In 2014, a \$15,000 neighborhood pilot project will be proposed to develop actual cost data for LED conversion installation and energy savings.

Medium Priority

ENERGY EFFICIENT TRAFFIC LIGHTING

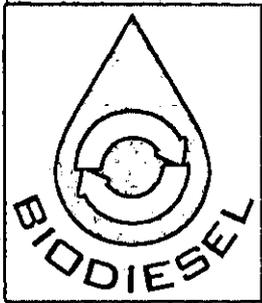
The City Department of Public Works has completed a conversion of City owned traffic lights to LED bulb technology under a Maryland Energy Administration Revolving Loan. At an investment of \$256,000 annual energy savings are projected at \$33,460. Additional savings from reduced maintenance due to the longer life of LED bulbs are expected to result in a payback of 2.4 years on the original investment.



Medium Priority

CITY VEHICLES: MAINTENANCE, USE AND ALTERNATIVES

The City continues its effort to improve vehicle efficiency by decreasing the use of fossil fuels.



In 2010 the Fire Department moved all of its diesel fleet to bio-diesel use. City staff and Police vehicle replacement has utilized more energy efficient models and the use of flex fuels.

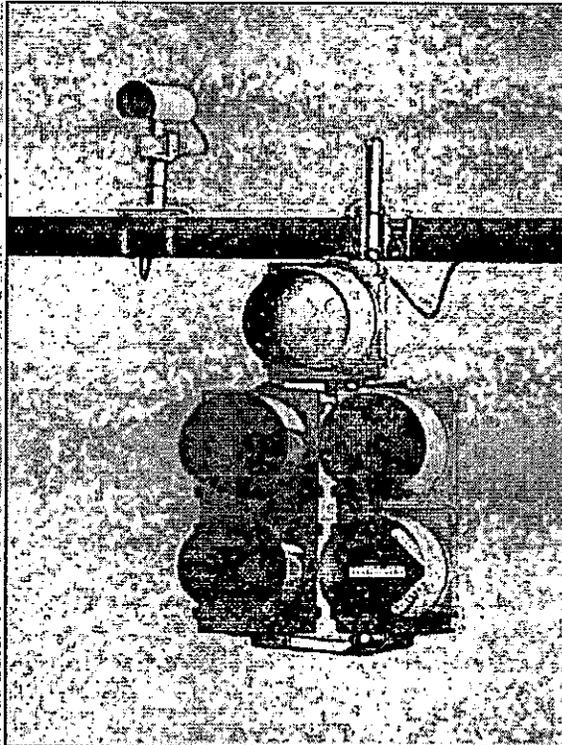
The Police Department has also increased the use of bicycle patrols as an alternative to vehicles.

The City wastewater treatment plant recently purchased two electric golf carts for use to reduce the use of pickup trucks for access around the plant to perform sampling and monitoring.



High Priority

TRAFFIC FLOW OPTIMIZATION



We continue to pursue upgrades of traffic signalization in the City to convert to more accurate camera detection of traffic and adaptive timing of signals to improve traffic flow during peak rush hour volumes. Modern signalization can utilize multiple timing patterns during the day to improve traffic movement and reduce vehicle idling while waiting to for a signal change, making a turn or pedestrian crossings. Software on modern signals can also be used to historically track movements and allow for adjustments to address changes in traffic patterns from new development. The resulting reduction in time that vehicles have to sit idle at a traffic light reduces carbon emissions and fuel use.

Low Priority

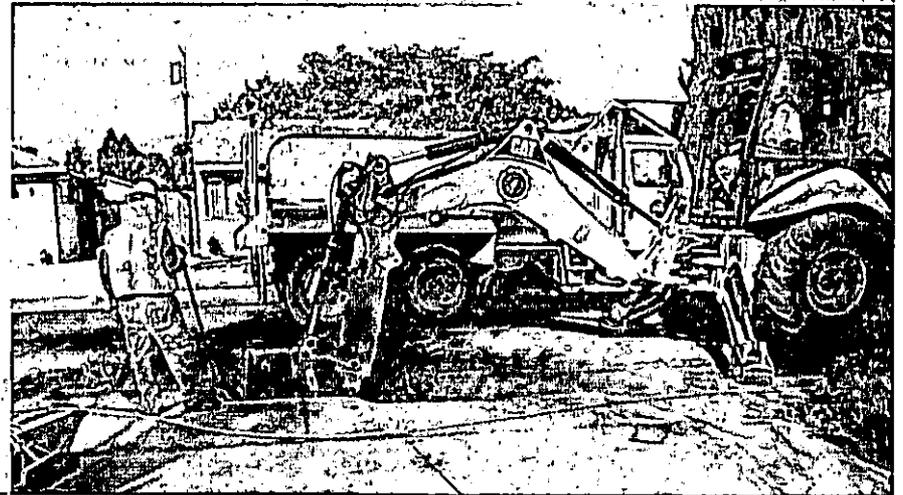
MODIFY WORK CREW SCHEDULES

This recommendation proposed implementing a 4 - 10 hour day per week schedule for Public Works Field crews.

Savings in efficiency could be realized by allowing crews to mobilize equipment and still have 8 hours to perform tasks.

Issues with availability of manpower to still cover a 5 day work week and need to still staff the Public Works Service Center were obstacles in implementation.

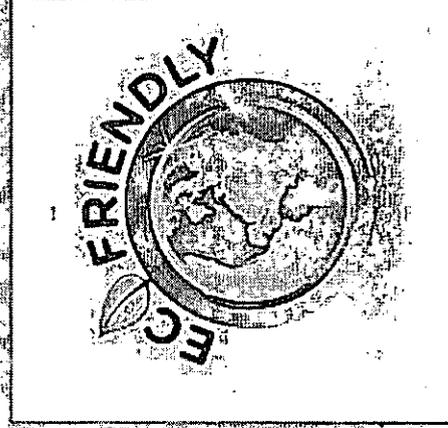
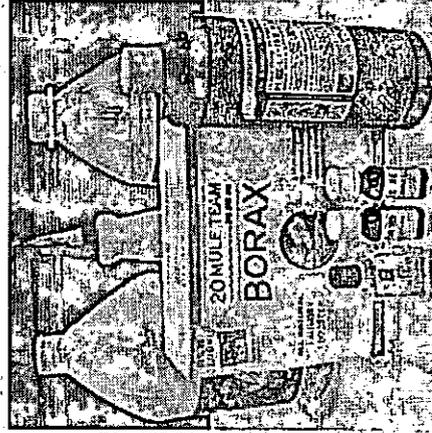
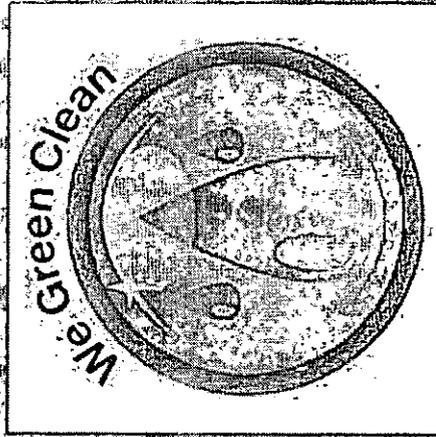
To date a pilot program or modified summer hours have not been explored.



High Priority

GREEN CLEANING PRODUCTS

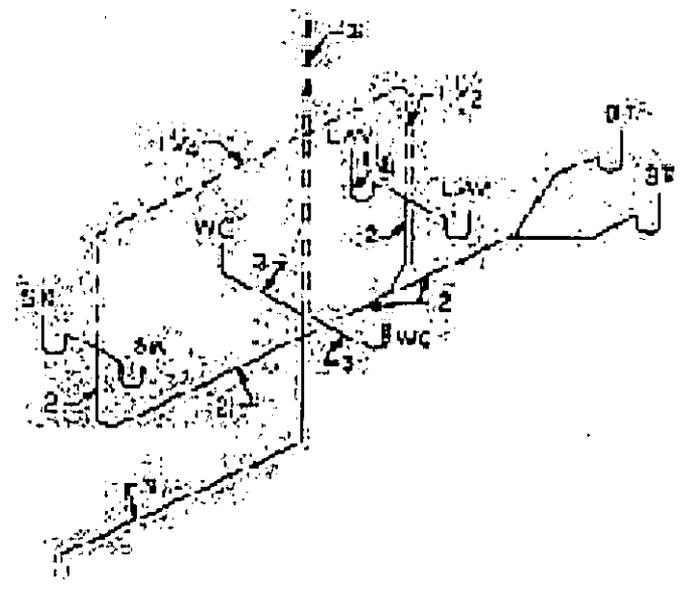
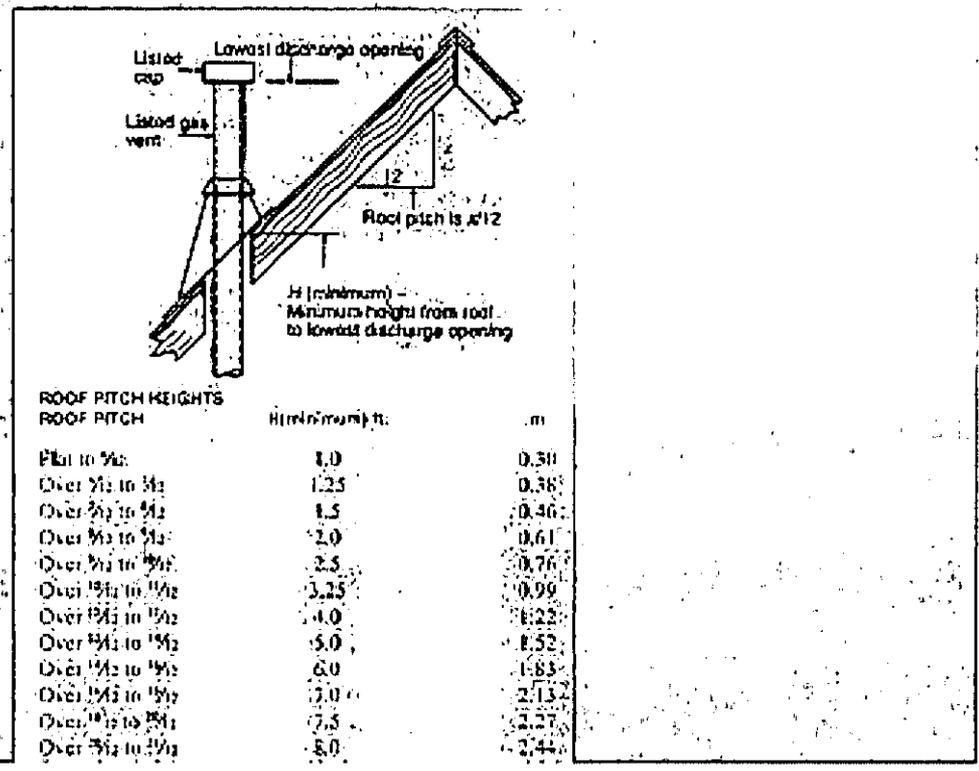
City departments have made a conscious move to utilize green cleaning products and reduce the use of environmentally harmful chemicals. The following cleaners have been replaced with green products. Floor finish remover, floor stripping solution, floor cleaner, bathroom cleaner and glass cleaners.



High Priority

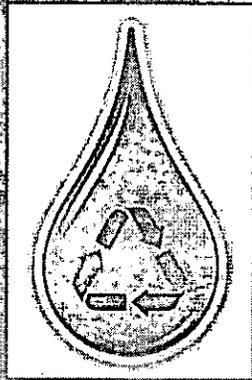
UPGRADING CITY PLUMBING CODE

The City Building, Permitting and Inspections Department has been working to upgrade the City Plumbing Code. A recommendation will be made to adopt the 2015 National Standard Plumbing Code when the Maryland Building Performance Standards are adopted by the State of Maryland.



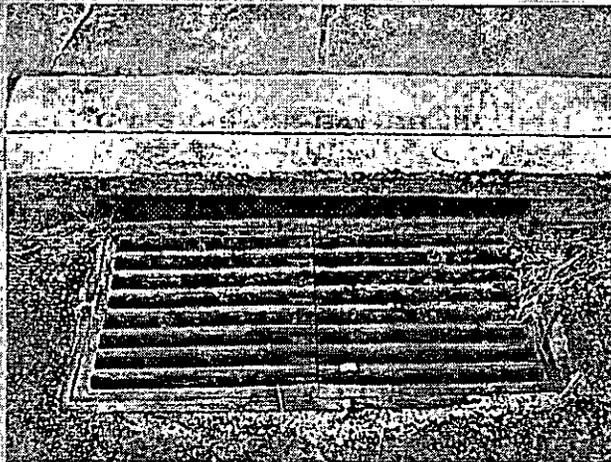
High Priority

REDUCE WATER CONSUMPTION AND SEWER DISCHARGE



This recommendation promoted a public program to encourage the protection of water resources by educating the public on water conservation and proper disposal of waste entering the wastewater treatment plant.

The City has made some effort as part of its stormwater discharge permit to educate the public on protecting water quality. For example, stormwater inlet labeling is effective in changing the public perception of stormwater piping as a direct connection to waterways.



Additional public education will be developed as a result of issuance of a new MS4 permit in 2014.

High Priority

WATER CONSERVATION AND RECYCLING

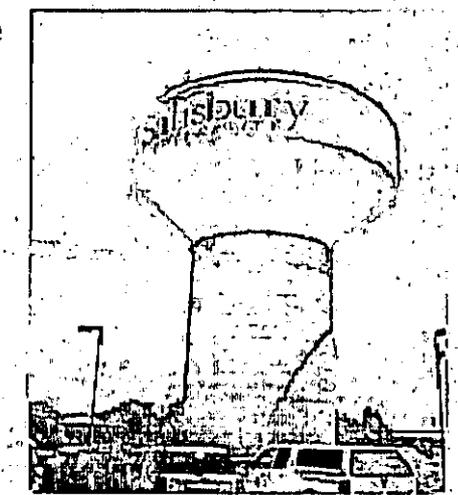
This recommendation originally involved modifications to the City Code to establish incentives for utilizing water conservation measures with provisions for credits to utility connection fees for new development. No progress on this recommendation has been made.

There have been other efforts to increase water conservation by the City Department of Public Works. These efforts include Improving the tracking of potable water use through a water meter replacement program and metering of all City facilities.

Our Utilities Division also has the ability to refurbish and calibrate residential water meters to maintain accuracy. The division has the capability of detecting leaks in water mains and make repairs without utilizing outside contractors to permit a quick response to water main and service line leaks.



The City has also been aggressive in replacing old galvanized steel water services that have corroded. Through these efforts water use has decreased by an estimated 9% in the last 10 years.



High Priority

DIRECTOR OF SUSTAINABILITY



The position of Director of Sustainability has not yet been implemented due to budgetary limitations associated with the recent economic downturn. However several of the functions of the Director's job description have been able to be managed by current City staff to achieve several goals of the Task Force.

Medium Priority

MANAGEMENT AND ACQUISITION PLAN FOR GREEN SPACE

The Department of Public Works developing an RFP in fiscal FY 2014 for development of a City Park Master Plan. The Plan will take a comprehensive look at the City Parks and facilities and develop recommendations for future uses and how to accommodate the needs of City residents for recreation and open space.

The City also continues to develop bike routes within the City to encourage the use of bikes instead of vehicles to access services and businesses. The City recently entered into a Memorandum of Understanding with the Eastern Shore Chapter of the International Mountain Bicycling Association to create and maintain mountain bike trails in the City Park.

Medium Priority

DEVELOP RECREATIONAL TRAILS

The City also continues to develop bike routes within the City to encourage the use of bikes instead of vehicles to access services and businesses. In cooperation with Salisbury University and Bike-SBY the 1.5 mile Phase 1 Orange bike route between Salisbury University and Downtown Salisbury was completed.

The second phase will be funded in 2014 with extension of the bike routes to South Boulevard and Riverside Drive

The City has also recently entered into a Memorandum of Understanding with the Eastern Shore Chapter of the International Mountain Bicycling Association to create and maintain mountain bike trails in the City Park.



Medium Priority

URBAN TREE CANOPY

Development of urban tree canopies improves air quality and water quality. The Department of Public Works and Planning and Zoning Department recently performed a pilot project with planting of trees at the Marina. Efforts to increase the urban tree canopy will be credited to the City's responsibility to decrease nitrogen and phosphorus loading to the Wicomico River and Chesapeake Bay. The planting of urban trees is a recognized Best Management Practice for nutrient reduction.



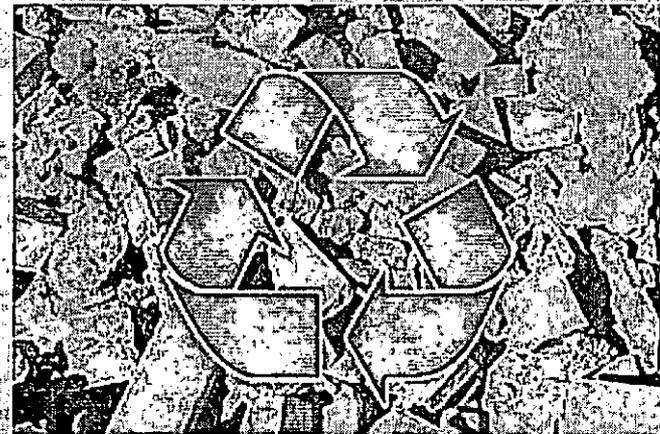
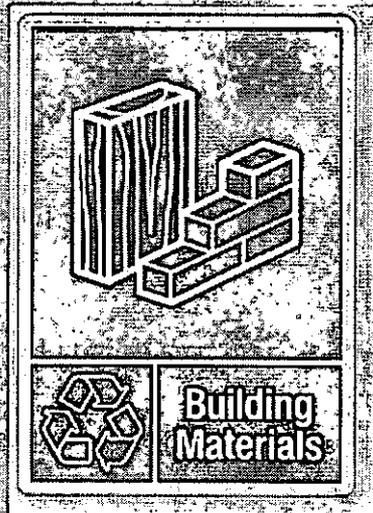
*Volunteer native urban tree planting
Photo Courtesy: Mike Allen*

The City is also currently working with the State Highway Administration to expand urban tree planting as part of a mitigation project for Route 13 improvements.

Medium Priority

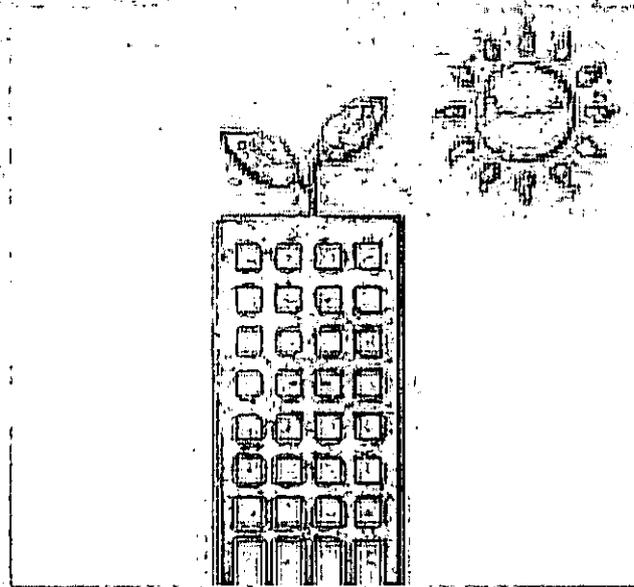
GREEN BUILDING STANDARDS FOR CITY CONSTRUCTION

The City Building, Permitting and Inspections Department will be recommending implementing green building standards for City construction in 2015 when the new plumbing code is adopted by the State. Many of today's City building materials and products are manufactured with recycled materials.



Medium Priority

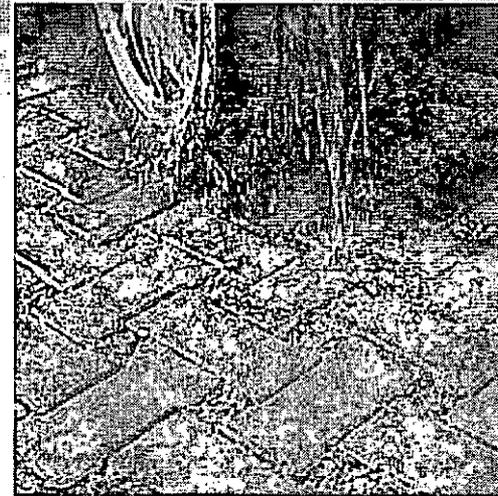
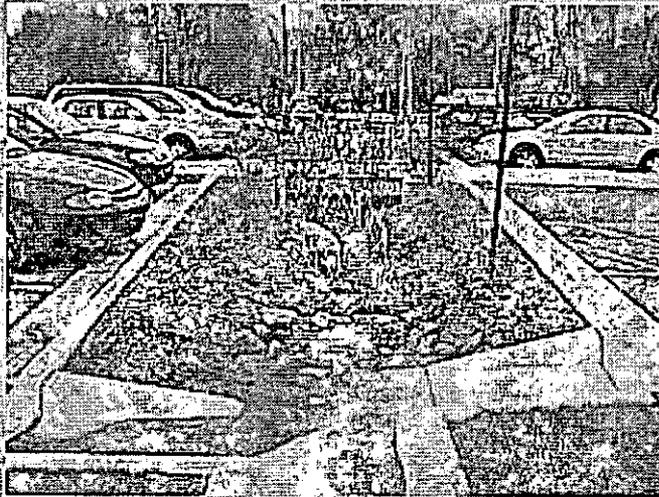
GREEN BUILDING CODE



The City will soon be updating its current energy code, the 2012 International Energy Conservation Code (IECC). Maryland is the only State in the country that has adopted the 2012 IECC and has mandated that counties and municipalities make the necessary changes to be compliant. Currently the Green Building Code is not part of the Maryland Building Performance Standards.

Medium Priority

GREEN LAND DEVELOPMENT POLICIES



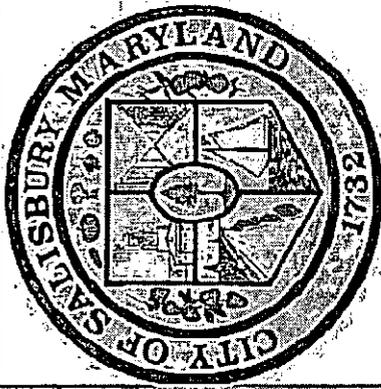
The City has adopted new stormwater management regulations to require new development to incorporate environmental site design at the site concept development phase to maximize opportunities to minimize the impact of development on the environment. Impervious areas including parking lots, roads and building must utilize best management practices to the maximum extent possible to minimize water quality impacts from stormwater runoff. Examples of best management practices include rain gardens, constructed wetlands and pervious pavement.

WHERE DO WE GO FROM HERE

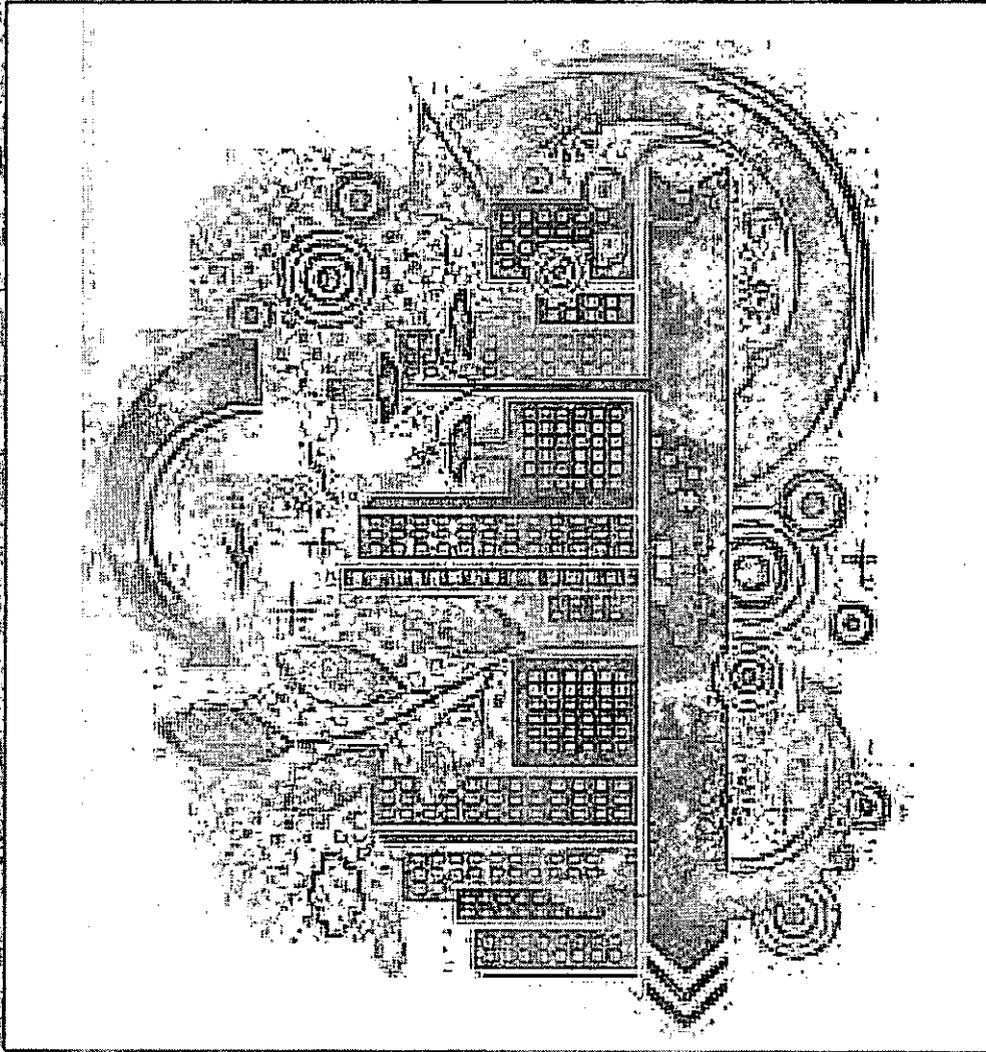
Efforts will continue to further expand environmentally friendly policies for the City of Salisbury. For example, the City's participation in the Shore Power Project will show progress the City has made in reducing energy use and carbon emissions.

The following are some of the projects that are currently being investigated and developed for the future.

- **Building lighting conversions to compact lower wattage florescent bulbs.**
- **Grant funding for conversion of street lighting to LED bulbs.**
- **Conversion of City vehicles to dual fuel LGN or Propane.**
- **Vehicle replacement with fuel efficient models.**
- **Conversion of wastewater treatment plant to ultraviolet disinfection.**
- **Discontinuation of wastewater treatment plant sludge dryer operation.**
- **Demand reduction- Demand response participation.**
- **HVAC system replacement to increase efficiency.**
- **Employee energy awareness education.**

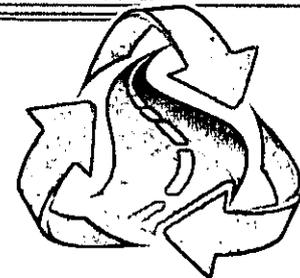


QUESTIONS??



Wicomico County Waste to Energy Project

February 13, 2014



Public Works

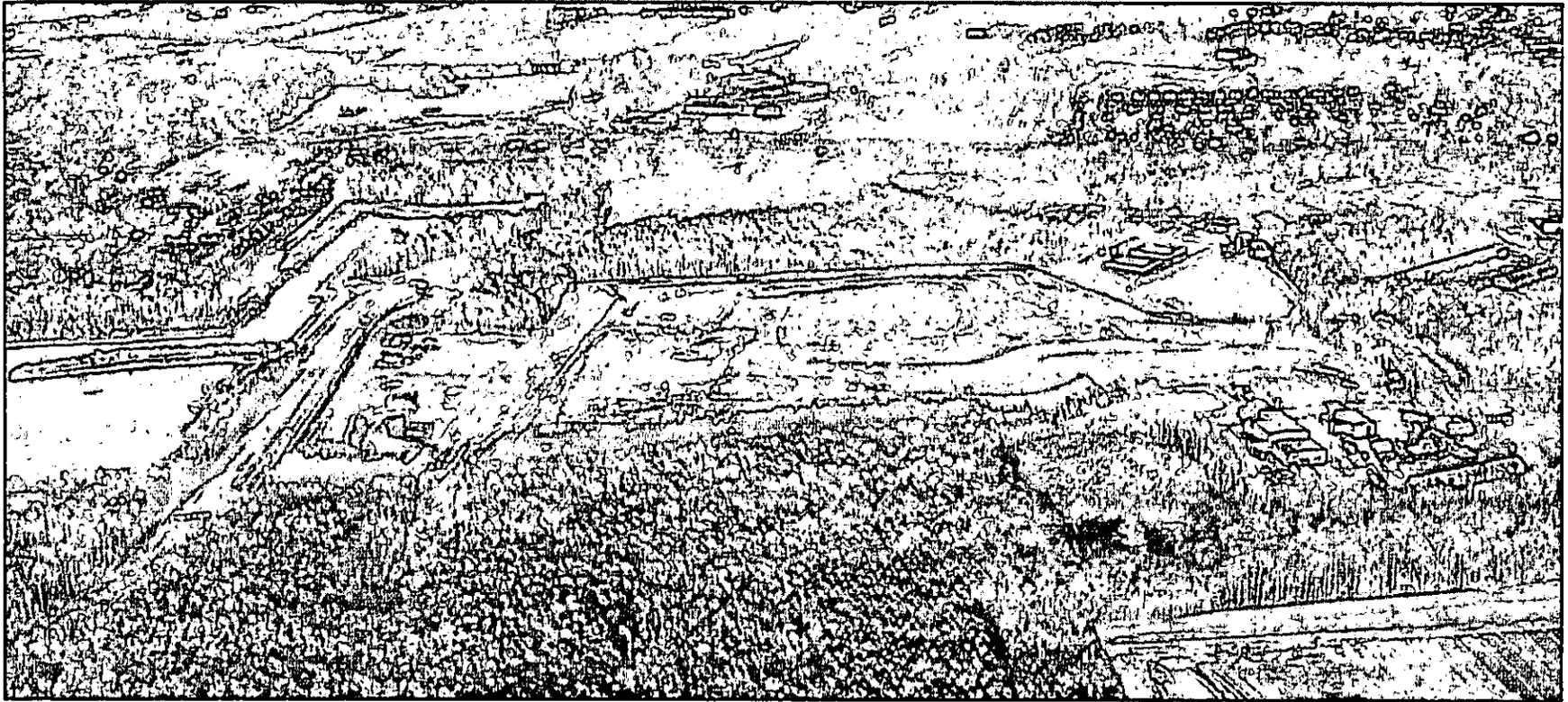
WICOMICO COUNTY

Current Solid Waste Operation

- Conventional Landfill
 - 25 yrs of capacity
- Operations
 - Average 100K tons/yr or 260 tn/day
 - Operational costs exceeded revenue by \$1.2 mil
 - Recycling tonnage = 3000 tn/yr
- Cell expansion costs
 - Four cells left @ \$4.0 mil each

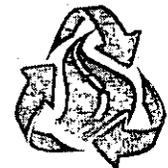


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Recycling and Zero Waste

- Current recycling diversion rate is 35% (County wide)
- Voluntary mandate of 60% by 2020 (Could be 54% by 2016)
- Maryland goal = 90% or “Zero Waste”
- Recycling commodity prices continue to fall
- Regional approach to waste management/material recovery



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WICOMICO COUNTY

The Waste to Energy Options

- Options
 - Mass burn – Incinerator
 - Anaerobic Digester
 - Gasification
 - Hybrid – Resource Recovery/Gasification

- Resource Recovery
 - Single stream waste – recyclables and refuse in one
 - Remove valuable material before conversion to energy
 - Improves energy conversion efficiency
 - Economic development through resource recovery businesses

- Gasification – heat and pressure in a zero oxygen environment
 - Lower heating point – 500 to 800deg
 - Volume reduction – 3 to 5% residual
 - Metals recovery due to low temperatures
 - Syngas production
 - Chicken manure processing
 - Fischer – Tropsch process (application for ethanol production)



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Community Benefits

- Zero Waste Community
- Extending the landfill life – 50 to 80 yrs+
- Operational savings - \$3.2 mil
- Recycling methods – collection, sorting, recovery
- Energy production
- Regional solution
- Economic development – Material recovery center/WTE
- Renewable energy for local economy



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WICOMICO COUNTY

Moving Forward

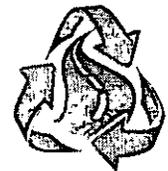
- Retain WTE consultant
 - Gershman, Bricker & Bratton, Inc (GBB)
- Develop RFP for Public/Private Partnership (PPP)
 - Power Purchase Agreements
 - Long term feed stock agreements – cities and surrounding counties
- Permitting Process
 - MDE, MEA, MDA partners in the project
- PPP development
- Construction and operations changes



Public Works
WICOMICO COUNTY

Timeline

- Work with GBB on RFP development – 2 months
- Procurement process – 4 months
- Design and Permitting – 12 to 24 months
- Construction and verification – 12 months
- Operational by 2017



Public Works
VICOMINGO COUNTY

Questions and Answers



Public Works
MICHIGAN COUNTY



How to Tell the Stormwater Story

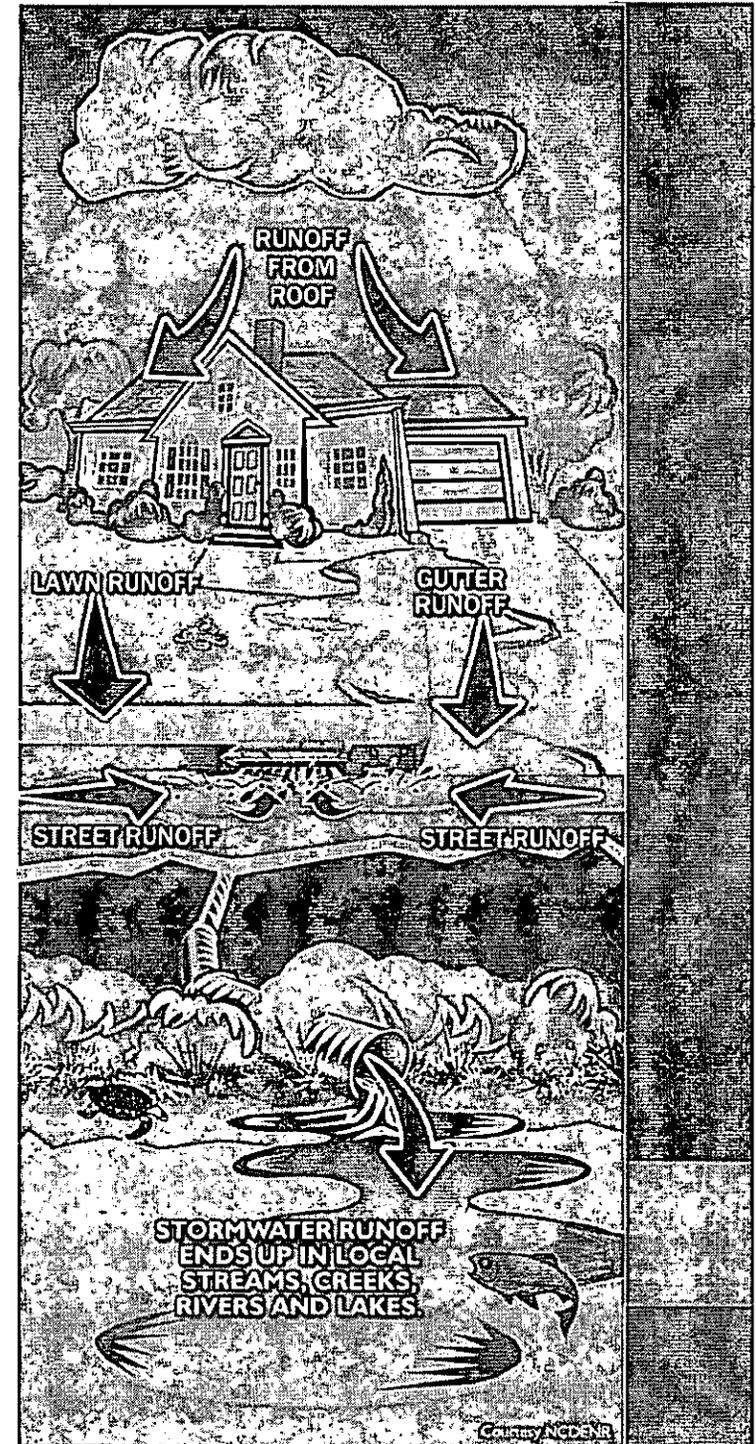
Salisbury City Council Work Session

February 18, 2014

Karen Lukacs, Wicomico Environmental Trust

What is stormwater?

- Really “runoff” – i.e., instead of falling where it can percolated into the ground & be taken up by vegetation, runoff literally runs off surfaces including:
 - Roofs
 - Lawns (not enough vegetation to hold water there)
 - Driveways
 - Streets
 - Parking lots



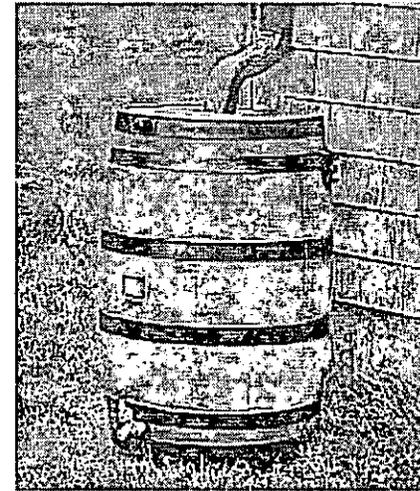
Why a stormwater utility?

- Runoff collects pollution as it travels to our waterways
 - Trash
 - Motor oil
 - Lawn chemicals
 - What ever is on the surface
- Polluted runoff from the built environment – roads, buildings, and their parking lots – is the only kind of pollution still on the rise
- Wicomico River and local ponds are recipients of this polluted runoff – affects recreational use and can be a public health hazard
- Reduce flooding & property damage in specific areas
- Keep water where it falls
- Maintain & upgrade existing water infrastructure
- Everyone shares the burden
- Supports our quality of life



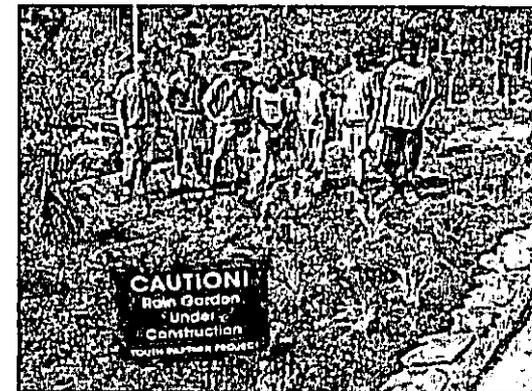
Clear explanation of utility

- What do citizens get?
 - i.e., what will the City do with the money
- How much will it cost?
 - Business will need more details
- What can I do around my house to reduce polluted runoff?
 - What actions will trigger a credit
- What can businesses do to reduce polluted runoff?
 - What actions will trigger a credit
- How can we incentivize these actions through grants & loans?



Outreach is critical

- Citizens won't understand what this is for until we tell them, and we need to be clear on why it's important & necessary
- Who will be most affected financially by the utility?
 - Reach out
- Who will benefit the most? Are there identified areas of flooding that can be tackled in short order?
- WET is beginning to work with the faith community in SBY
- Grant request for materials and events
- WET is happy to give presentations and information to neighborhood groups, clubs and at local meetings



Identify outreach targets

- Faith communities
- Downtown & other businesses & business groups
- Neighborhood associations
- OTHERS?

Karen Lukacs

Wicomico Environmental Trust

443-614-6697

