

The background is a solid green color with a pattern of stylized, overlapping leaves in various shades of green, creating a natural and organic feel.

A New Energy Future for Our Home

Loudoun County, Virginia

Board's Energy Efficiency Committee

Supervisor Andrea McGimsey, Potomac, Committee Chair

Chairman Scott York

Robert DuPree, School Board Chair

Supervisor Kelly Burk, Leesburg

Supervisor Stevens Miller, Dulles

Energy Goals

1. Perform energy audits on buildings and fleets
2. Upgrade existing structures
3. Design and build new buildings to green standards
4. Research and utilize appropriate new technologies
5. Cooperate with Regional, State and Federal efforts towards greenhouse gas reductions and energy independence
6. Track energy reduction and tax dollars saved
7. Engage businesses and residents in efforts to increase energy efficiency throughout the County
8. Incorporate life-cycle costs in all purchasing decisions

Cool Capital Challenge

- Metropolitan region-wide effort to reduce CO₂ emissions by 1 billion pounds by April 2009
- Pledges made by individuals and all types of entities
- Loudoun County has pledged to reduce CO₂ emissions by 1,365,810 pounds (approx. 3%)

VML Green Government Challenge

- Statewide competition
- Loudoun County signed up in April, 2008
- Program ended on September 30th, 2008
- Implemented actions that reduce carbon emissions
- Total allowable points = 200
- Loudoun County earned 185 points
- We won first prize for large jurisdictions and were certified as a green government



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NATURAL GAS



HEATING OIL



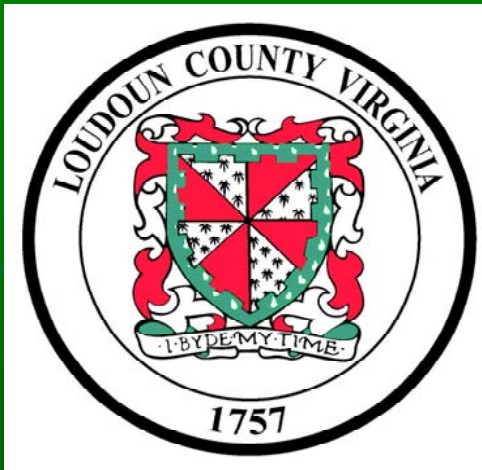
PROPANE



WATER



SEWER



Energy Conservation Initiatives

By: Najib Salehi, Energy Manager



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Background

1. Energy Manager's position was created in 2002
2. Board of Supervisors formed an Ad Hoc Energy Efficiency Committee in Jan 2008
3. In April, the Board approved 4 green initiatives:
 - a. Adopted LEED Green Building standard
 - b. Joined VML Green Government Challenge
 - c. Joined "Cool Capital" Challenge
 - d. Became an Energy Star partner
4. Energy Efficiency Committee became a joint effort between the County and LCPS in May 2008
5. An Energy Task Force was created by the County Administrator in May 2008.



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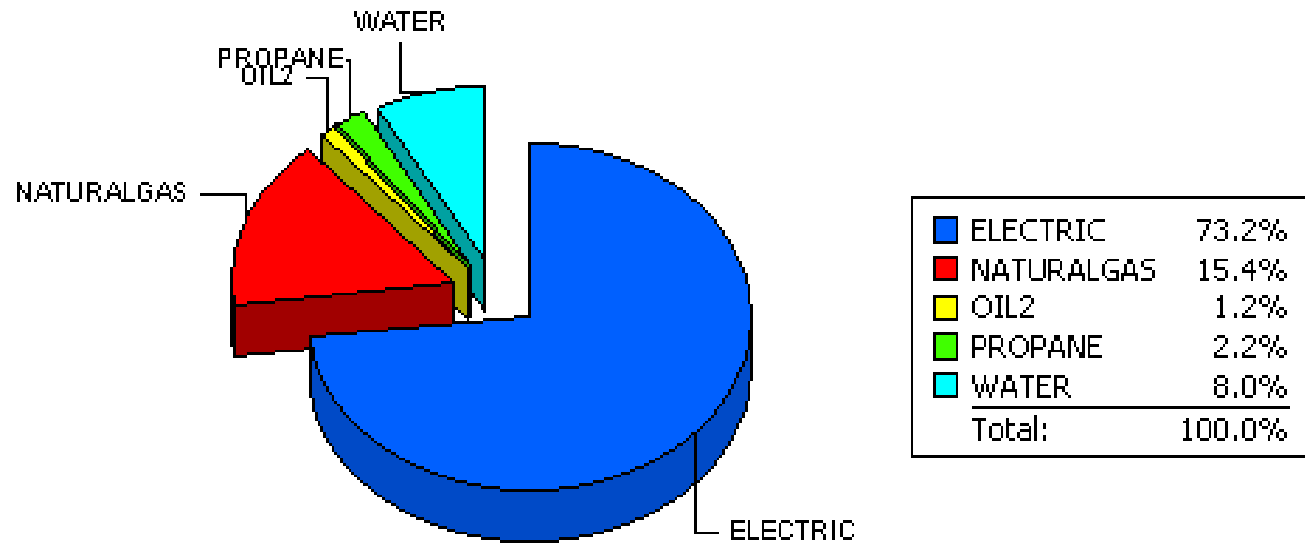
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Loudoun County Energy Profile

Cost Percentage



October - Energy Awareness Month



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- Involved employees, citizens, businesses, students, everyone
- Vendors such as Dominion Virginia Power and Washington Gas participated
- Become more mindful of when and how we use energy and explored ways to conserve energy
- Provided tips and education
- Solicited good energy conservation ideas from employees



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Energy Awareness Month

Special reward for best energy saving suggestion



- Top winner received a sports bike
- Other good suggestions received cash award, a day off with Pay, and Letter of Recognition



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Loudoun County Energy Initiatives & Accomplishments

- **New County-wide Green Guidelines for construction**
 - Endorsed LEED Silver as the standard
- **Identified current energy-saving actions, quantified dollar savings, and solicited additional ideas from all departments**
 - FY-08 calculated \$150,000 in savings from lighting retrofits, software implementations and other measures
 - FY-08 savings achieved as a result of utility coordination for all project estimated at \$200,000.
- **Renewed focus on energy awareness and conservation among employees as part of year-long campaign**
- **Solicited energy saving inputs from the community in “Listening Sessions”**



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Energy Saving Tips and Ideas



Turned off vending machine lights

Total annual savings = \$4100.00



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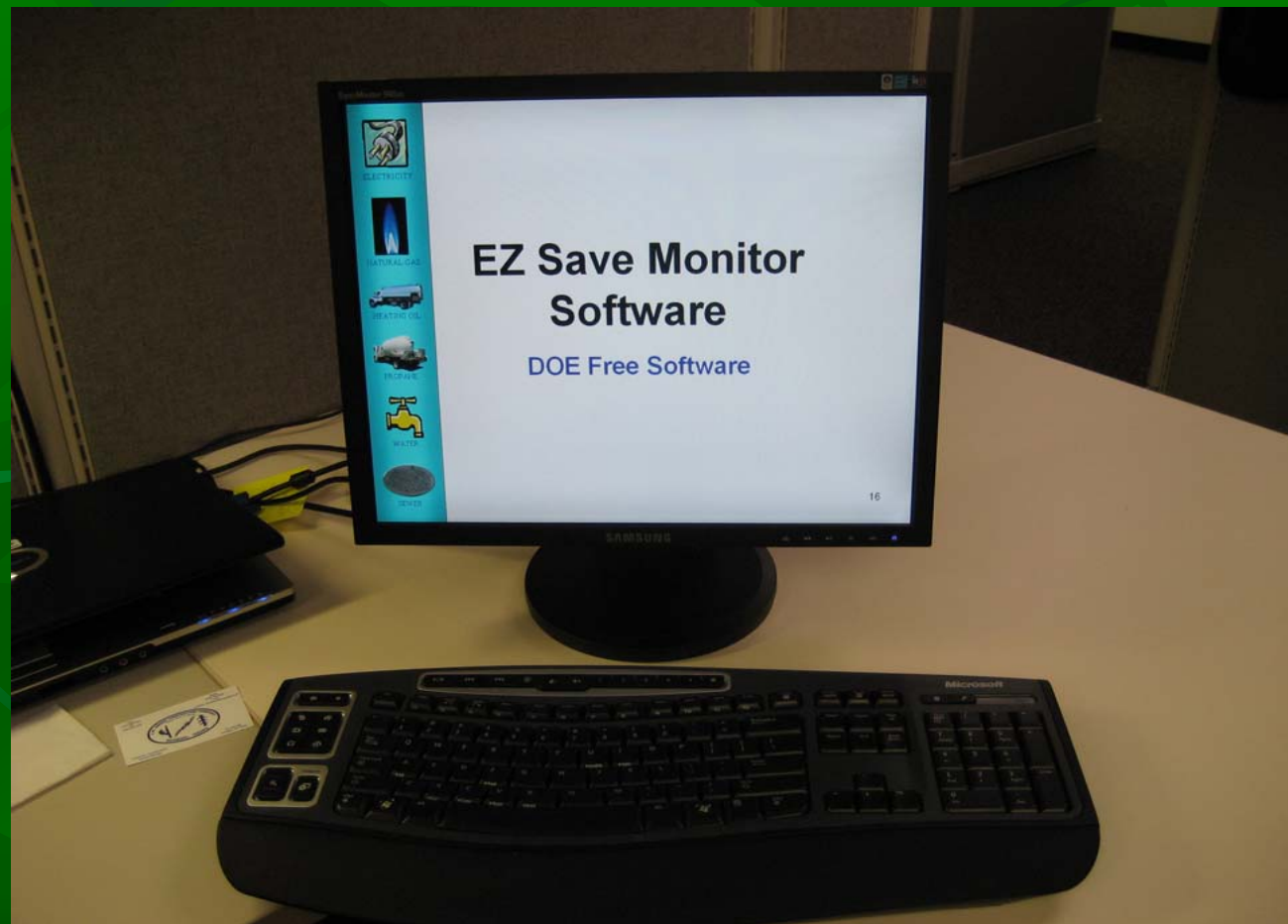
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EZ-Save Monitor Software

Total annual savings = \$4,600.00





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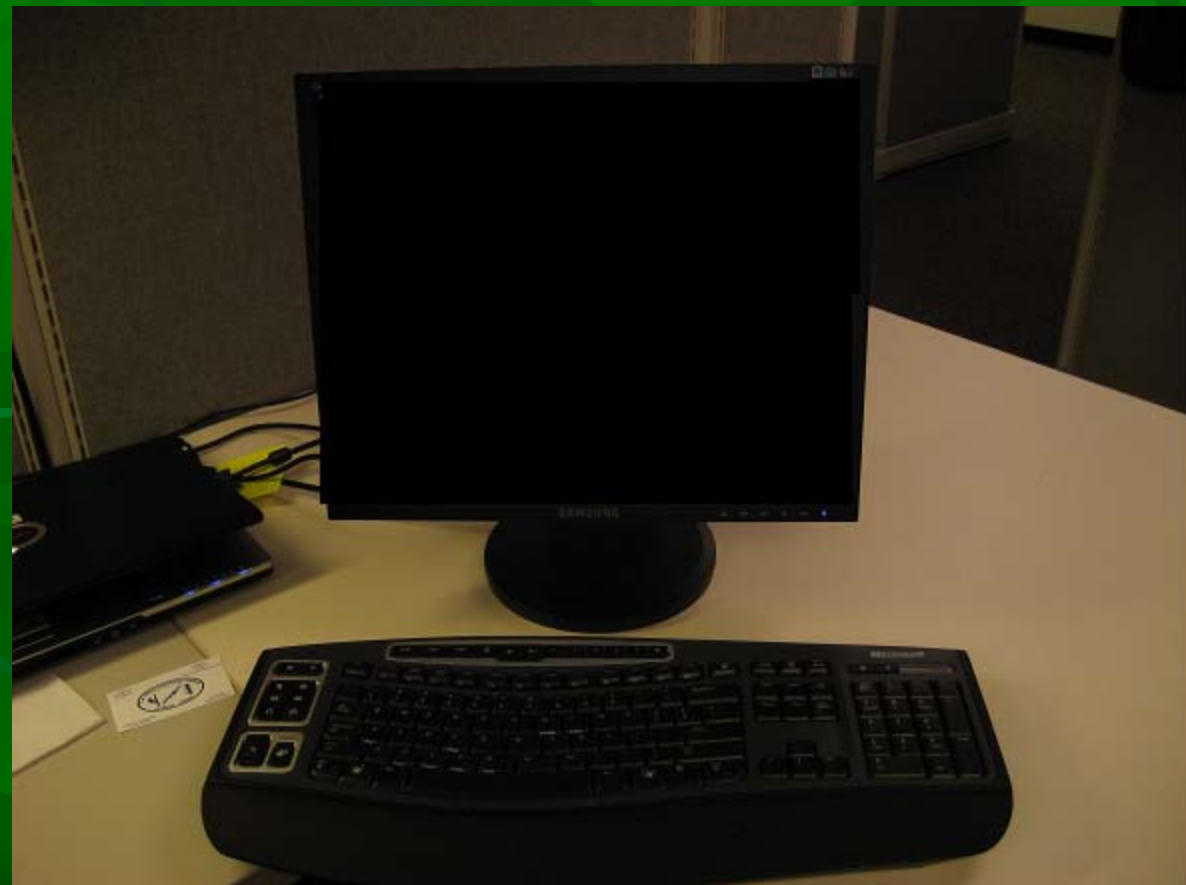
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Turn Off Computers on Weekends

Total annual savings Per Computer= \$86





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We get involved in utilities coordination

- Natural Gas Expansion Project

Washington Gas Initial Cost = \$148,264

Washington Gas 2nd Cost = \$69,413

Washington Gas Final Cost = \$15,704

County Savings = \$133,160





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Teleworking

- The county offers teleworking to its employees since 1996
- In 2006 the Board of Supervisors and the County Administrator re-launched the program with a participation goal of 20%
- Nearly 19% of the non-public safety employees currently telework
- It is estimated the county's telework program saves 125,300 vehicular miles traveled and 3,676 hours of commuting time each month
- The county is aiming to increase participation to 25% of non public safety employees



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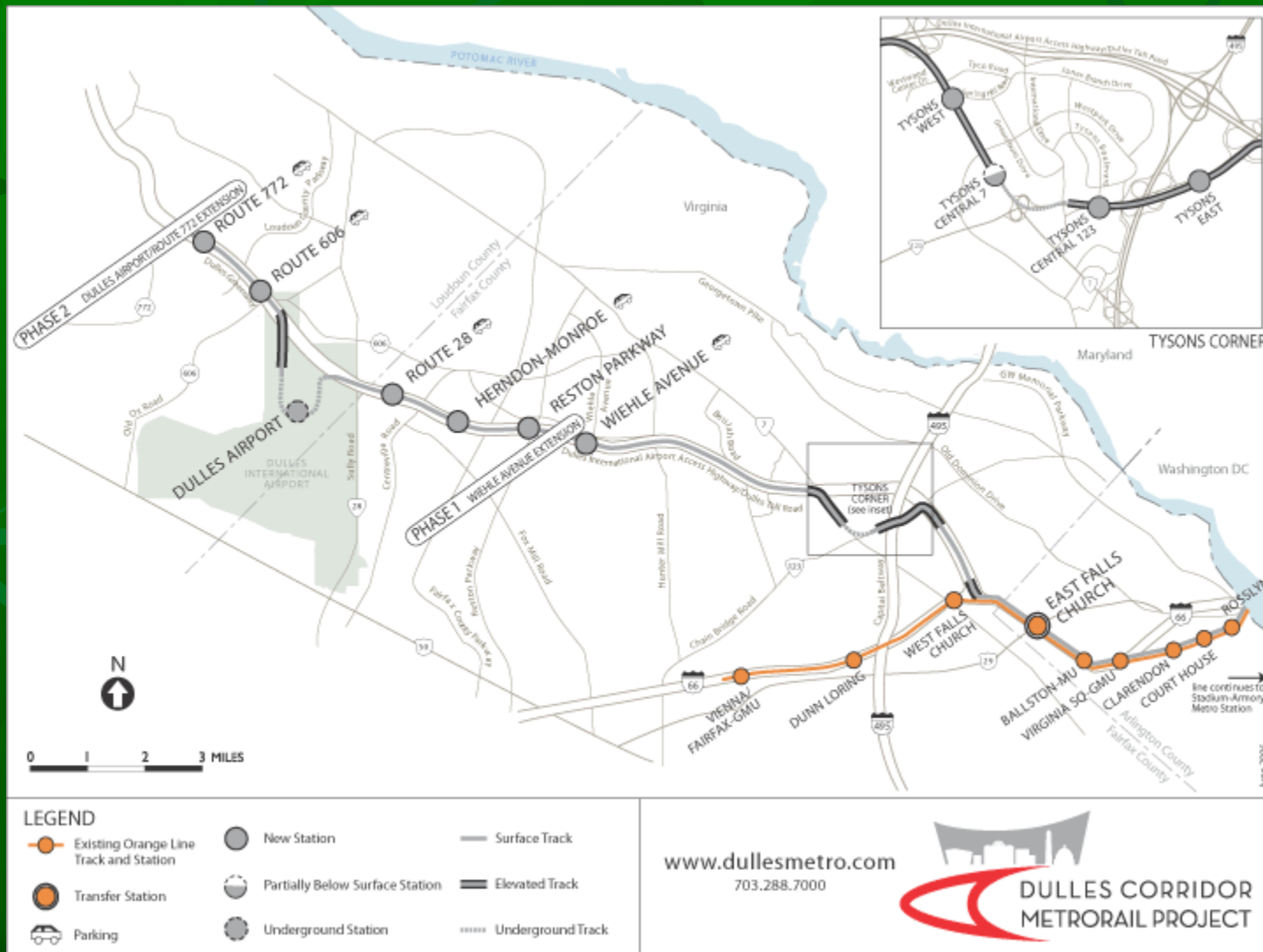


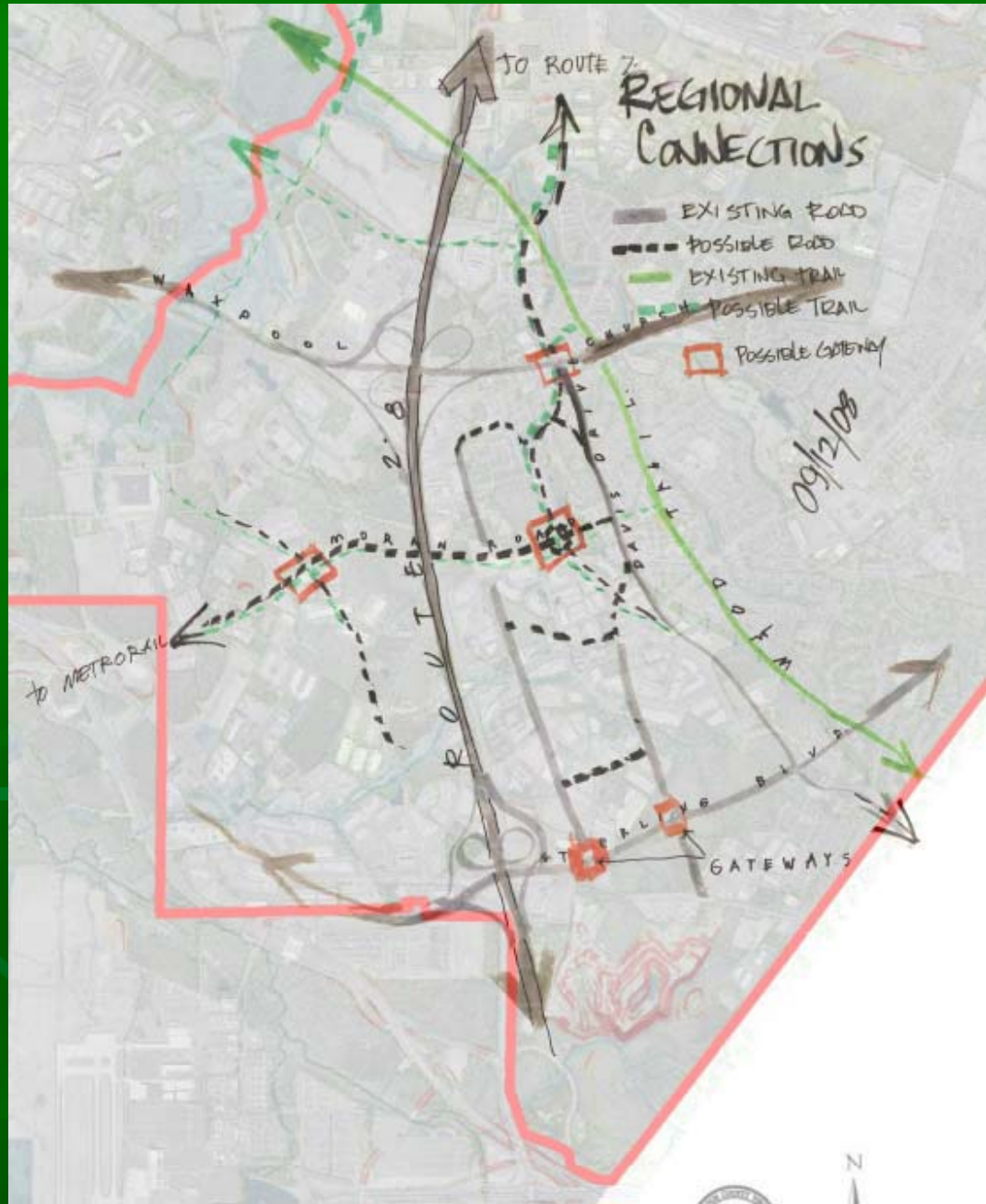
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Fuel Efficient Vehicles

- Number of county Hybrid vehicles = 25
- Additional hybrids to be added in FY-09 = 15
- Commuter buses driven 32% over the fiscal average
- FY-08 utilization of hybrids = 2,400 miles more than average of all County vehicles
- Three Prius hybrids are in the county car pool driven 2,000 miles each month
- 11% of county sedan/small SUV fleet is hybrid

Rail in Loudoun by 2015?

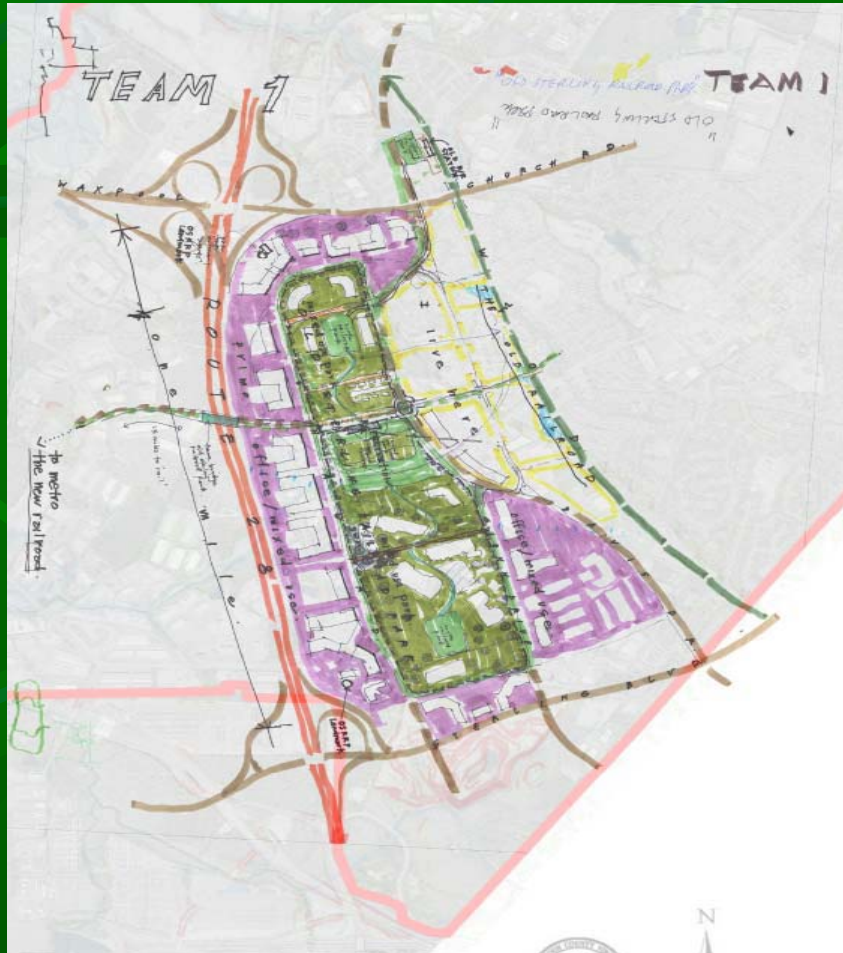




Old Sterling Railroad Stop



Old Sterling Railroad Park



- A sense of place: historical and future
- Mixed use
- Vibrant local economy
- Protect neighborhoods
- Connect to metro
- Pedestrians and cyclists - a key focus
- Cohesive design
- Civic - parks, railroad
- Revitalizing a forgotten part of Loudoun County

Cascades Green Expo a Great Success!

Over 150 residents attended the first Green Expo last month. Residents had an opportunity to speak with representatives of various energy efficient and environmentally friendly companies and organizations. They were able to obtain a lot of information on various issues. Represented were a number of Loudoun County departments to include Loudoun Transit, Loudoun Water, Loudoun Parks and Recreation, and Loudoun Stormwater Management. Also, there were tables and booths for a bicycle shop with bicycles and related items on display, a solar company, a trash company with recycling bin on display, organic lawn and gardens information, and a Xeriscaping display. Cascades thanks all the companies and organizations that participated in this event.

Last but not least, there was a big display booth organized by the Cascades Green Team. Besides printed information, the Team displayed the approvable rain barrel and a new electronic indoor composter now available in a local store. Many residents were intrigued with the electronic composter and a few stated that they will buy it. The large blue recycling bins on wheels and with covers will be delivered to every single family home in January 2009 and also to townhomes that request it. Please contact Lindsay Perrin, Member Services Assistant, at Lindsay@cascadesva.com or 703-406-0820, ext.101 to request a big recycling bin if you live in a townhome. Everyone went home with a lot of information and various freebies distributed by all the vendors. The Green Team is already planning the second annual Green Expo. If you missed this one, you will have a chance to attend the 2009 one.



**Green Team Message:
Reduce, Reuse, Recycle!**

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

GM Corner

By: Martha Kaczmarczyk, PCAM, General Manager

Happy Thanksgiving! Though our country is recently facing many challenges, we can be very grateful for

living in America. This month our President. There have this privilege sometimes take t forget to vote? I on November 4th.

The Cascades el also this month. S material in your r the candidates' bi the enclosed ball candidates on yo ballot. You can m it to the administr Meeting on Thurs hope to see many

Recently, I read ar by Elizabeth Roge make a lot of goc a few below.

- Don't ask for United States ref a roll of paper n enough to circle t

- Turn off the You'll conserve t Throughout the or

The Water Guy

By: John Lane, Board Member

Well neighbors, you can see by the water usage scoreboard that Cascades continues to lead the County in smart use of water. You should all feel good about only using the water you really need for irrigation and indoor use, and there's an extra benefit...KaChing! In these tight economic times, a few bucks saved on the water bill adds to the feeling of good citizenship we get from not wasting water. I've been reporting on my own household's use of water, and the money we've saved on the water bill in the first three quarters of the year comes up to \$171.60! The savings came from using 39 thousand gallons of water less this year than last.

Check out your water bills from this year and last, and see how much you've saved. You'll note that there are two components to the water charge. Loudoun Water considers the first quarter usage to be the baseline. That first quarter, from January through March, basically covers our indoor use of water and we're charged \$1.82 for every thousand gallons we use. The rest of the year, as we water our lawns and wash our cars, we're charged an additional \$2.73 for each thousand gallons above the baseline winter use. You do get a leeway of 6,000 gallons over your winter use, or 1.3 times your winter use, whichever is greater, at the lower \$1.82 rate. Are you confused yet? Anyway, it really saves on the water bill to only

acetaminophen, fertilizer, solvents and strontium. Generally, bottled water must meet no more than the federal standards for tap water. So if you really want to save some bucks while helping the environment, consider drinking pure safe tap water!

Water You Thinking Tips

From Loudoun Water

1. There are a number of ways and they all start with you
2. Check your water meter at your water usage.
3. Use a broom instead of a h driveway or sidewalk and water every time.
4. We're more likely to notice indoors, but don't forget to faucets, pipes, and hoses f
5. Put food coloring in your i seeps into the toilet bowl, It's easy to fix, and you ca 7000 gallons a year.
6. Grab a wrench and fix that It's simple, inexpensive, a gallons a week.
7. Teach your children to turn tightly after each use.
8. Make sure you know where water shut-off valve is loc

Bigger Recycling Bins

By: Julie Challis, Board Member

The holidays have come early! Well, that's the way I see it. For a long time it has been a pet peeve of mine that the green recycling tote was too small and being open-topped, papers and plastics blew out too easily littering our neighborhoods.

Those days are numbered. Over the next few months each home will receive a bigger, bluer recycling container. It is to replace the small, open-top green tote boxes we have been using for recyclable waste. Townhouse residents should expect theirs at the start of the new year, and single family home residents may have already had one delivered.

At last, a container big enough to fit all the recyclable materials a typical household get through each week: daily newspapers, magazines, milk jugs, washing powder boxes, soda cans, tuna cans, beer and wine bottles, jelly jars, cereal boxes, boxes from Costco! (See page X for a tear-out guide to recycling).

The old green totes are yours to keep; great storage box, or place it in your new blue bin for recycling.

Collection will continue to be on Thursdays (please remember if a holiday occurs on a Thursday, recycling will not be collected until the next scheduled day for recycling – ie the next Thursday).

Thanks to the Green Team for making this happen, and putting an end to my frustration!



County of Loudoun News Release

Celebrate Loudoun! Shop Green

Encouraging shoppers to spend their dollars locally, agricultural groups and rural businesses have launched Celebrate Loudoun! a "green and local" campaign that replaces last year's Green Friday promotion, said Celebrate Loudoun!'s Melissa Piper Nelson.

If each household in Northern Virginia and farm-based Virginia products, the support for Loudoun County's economy according to a study recently released Extension community viability speciali

"We hope Loudouners will take the stress out of their gift list this year with locally made



Leesburg And Purcellville Winter Markets Open

By Margaret Morton

(Created: Monday, November 3, 2008 2:14 PM EST)

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print | e-mail | comment (1 comment(s)) | v voped

In lovely weather Saturday, a record number of vendors turned out for the opening of the Leesburg winter market, while a small group also marked the opening of a winter market at the side parking lot of the Purcellville Town Hall.

According to Loudoun County Agricultural Marketing Manager Melissa Piper Nelson, 24 vendors signed up for the third Leesburg winter market, which has proved a popular addition to the Loudoun Valley HomeGrown Markets Association's roster of farm markets around the county.

The opening was celebrated by Leesburg Mayor Kristen Umstatt in a ceremonial ribbon cutting, along with Loudoun Supervisors Kelly Burk (D-Leesburg) and Andrea McGimsey (D-Dulles). LVHMA President Mary Ellen Taylor, Market Manager Chris Hatch and Nelson were also on hand for the celebration.

The first market of winter was a joint venture with Celebrate Loudoun, a promotion to encourage shoppers to buy green and local in the run up to the holidays.

The dual event drew a crowd of food and art



Leesburg Mayor Kristen Umstatt cuts the ribbon at Saturday's opening of the Leesburg winter market. Umstatt is flanked by Loudoun Valley HomeGrown Markets Association President Mary Ellen Taylor (far left), Loudoun Supervisor Kelly Burk (D-Leesburg), and Loudoun Supervisor Andrea McGimsey (D-Dulles) and Loudoun County Agricultural Marketing Manager Melissa

Climate Communities

Sacramento Area Council of Governments, CA	Wyandotte, MI
Sacramento County, CA	Blue Earth County, MN
Santa Ana, CA	High Point, NC
Sonoma County, CA	Winston-Salem, NC
Stamford, CT	Keene, NH
Washington, DC	Nassau County, NY
Boynton Beach, FL	Westchester County, NY
Broward County, FL	Hamilton County, OH
Charlotte County, FL	Greenville, SC
Gainesville, FL	Austin, TX
Leon County, FL	James City County, VA
Miami-Dade County, FL	Loudoun County, VA
St. Petersburg, FL	New Kent County, VA
Savannah, GA	King County, WA
Dubuque, IA	Snohomish County, WA
Story County, IA	Soos Creek Water & Sewer District, WA
Annapolis, MD	Tacoma, WA
Montgomery County, MD	Whatcom County, WA
Washtenaw County, MI	

Plan for the New President

Empowering Local Government Climate Action

Blueprint for the New President and 111th Congress

Now is the time for local government officials to sign onto this Climate Action Blueprint – we aim to have 500 local officials from across America endorse this action agenda by December 2008. This Blueprint will be officially released with major events in December 2008 and beyond.

Visit our web sites for more information or to sign onto the Blueprint.

www.climatecommunities.us

www.icleiusa.org



2009 and beyond

- Energy efficiency in County buildings
- A focus on pedestrians and bicycles
- Transit Committee recommendations
- Energy and Environment Committee?
- Business: green building industry
- Residential: Green HOA Coalition
- Regional: Green jobs
- State: Purchase order for 100 m.p.g. vehicles
- Federal: renewable energy pilot - Brambleton Fire Station powered with geothermal heating/cooling

What we need from you

- We need action now - energy independence, climate change, a higher quality of life
- Build political will
- Build capacity
- Write letters to the editor
- Call editors and ask for more coverage
- Volunteer - in your neighborhood & county
- Organize neighborhood groups and HOAs
- Your good ideas