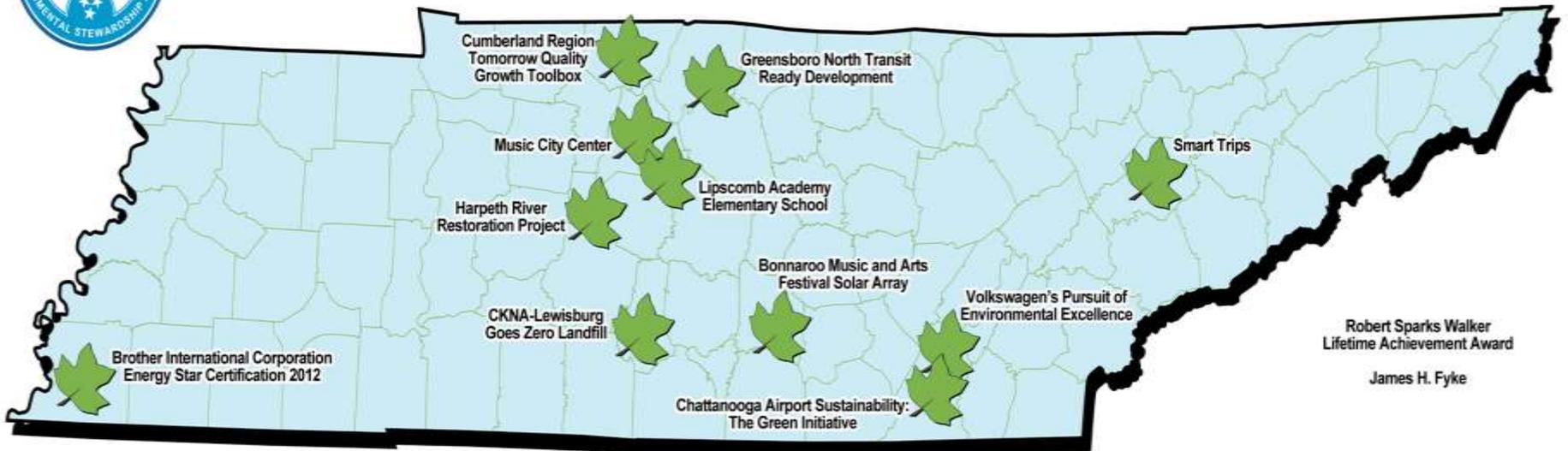






2013 Governor's Award Winners



Robert Sparks Walker
Lifetime Achievement Award

James H. Fyke

About the Awards Program

- Recognizes voluntary efforts.
- Honors individuals, organizations, local governments, and companies enhancing our environment and natural resources.
- Represents the very best achievements in Tennessee.



The Governor's Environmental Stewardship Award for
Building Green
Music City Center
Davidson County



From left to right:
Commissioner Bob Martineau, TDEC
Patrick Holcombe, Music City Center
Kristen Heggie, Music City Center
Governor Bill Haslam



Music City Center Davidson County

The Music City Center (MCC) is Nashville's new state-of-the-art convention center, and at 2.1 million square feet is also Nashville's largest building. Some of the major sustainable features of this \$585 million facility include: a 175,000 square foot (approximately four acre) green roof, the largest in Tennessee; a 360,000 gallon rainwater collection tank; a 211 KW solar panel system; and LED lighting throughout the building. The Music City Center's innovative approach to stormwater capture and reuse will achieve a truly impressive 70% overall reduction in potable water use by the entire building. The high performance building envelope, together with energy efficient lighting fixtures and controls and a high-efficiency HVAC system, results in a building that is 14% more energy efficient overall. The MCC is on track to be certified LEED-Silver, which will make it one of only 18 LEED certified convention centers in the entire U.S., and reflects Mayor Karl Dean's commitment to making Nashville the "greenest city in the Southeast."





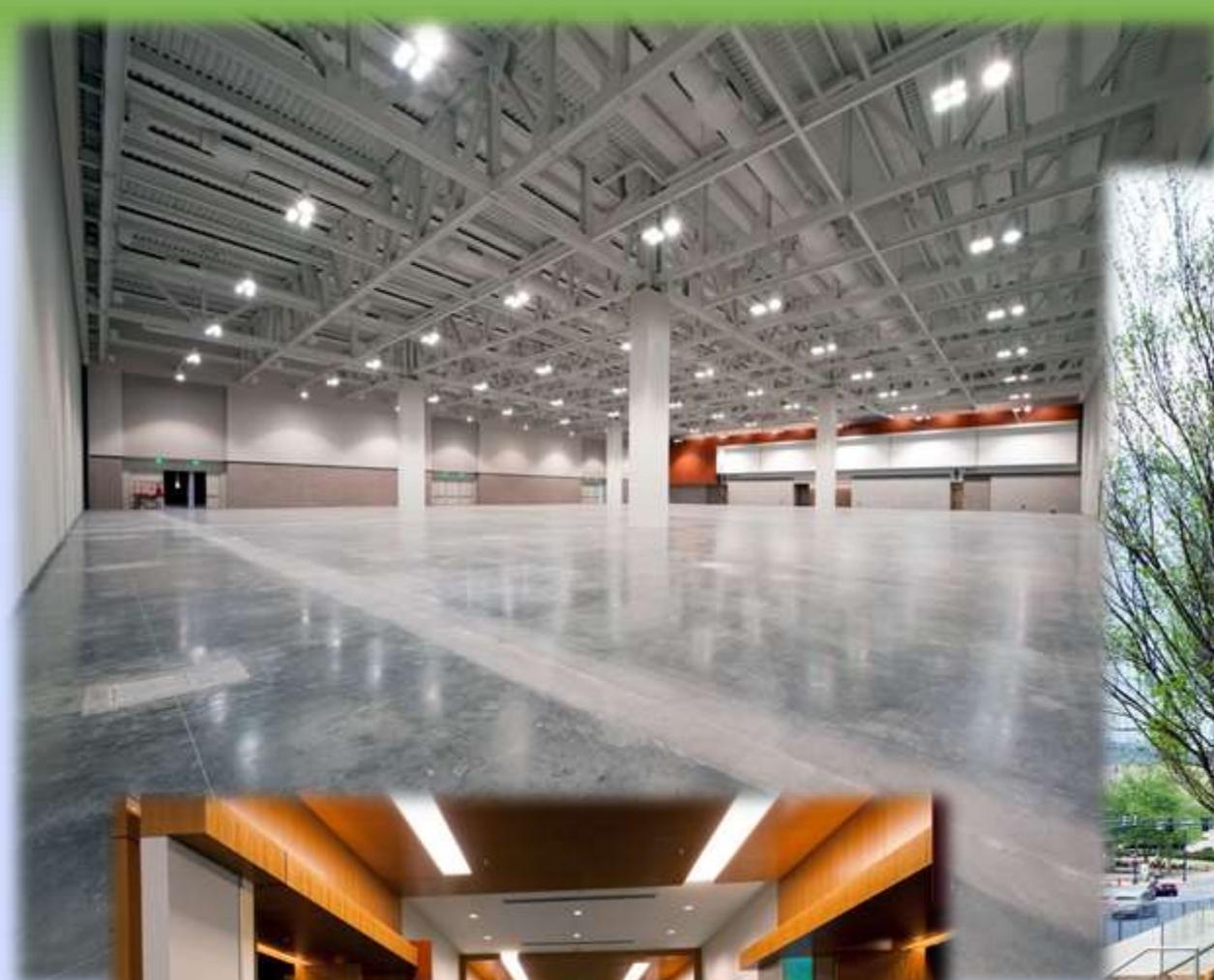
In season



Dormant







The Governor's Environmental Stewardship Award for **Clean Air** **Smart Trips**

Anderson, Blount, Cocke, Jefferson, Knox, Loudon, Roane, and Sevier Counties



From left to right:
Commissioner Bob Martineau,
TDEC
Alisa Ashouri, Smart Trips
Sara Martin, Smart Trips
Kelley Segars, Smart Trips
Governor Bill Haslam



Smart Trips

Anderson, Blount, Cocke, Jefferson, Knox, Loudon, Roane, and Sevier Counties

Smart Trips promotes clean air by encouraging reduced vehicle miles traveled in the East Tennessee region. This innovative program serves residents of Knox and seven surrounding counties, and allows participants to earn gift cards to local merchants for driving less. Started in 2003, Smart Trips grew by a quantum leap in 2012, adding 585 new registrants for a total of 1,190 participants, with the gain in popularity due in part to enhanced incentives and a robust outreach campaign. Smart Trip users logged 589,133 miles in “alternative” commutes last year, including carpool, vanpool, transit, bicycle, walking, telework, and compressed work weeks. This represents 253.4 metric tons of greenhouse gas emissions prevented, as well as significant reductions of NOx, VOCs, particulate matter, and other tailpipe air pollutants. The Smart Trips program was nationally recognized for its efforts and successes in 2012 by the National Center for Transit Research, earning their coveted Gold Award for its creative approach to transportation demand management.





Smart Trips

Join Online
www.knoxsmarttrips.org

Log Your Work Commutes

make the road less traveled

- ▶ Smart Trips promotes alternatives to driving alone — fewer cars on the road means a better place to live and breathe.
- ▶ We can help you with carpooling, taking transit, biking, walking and telecommuting to work.
- ▶ You can improve your health, save money, save the environment, and earn rewards!





Employer kit

Prize Trolley!



Employer kit pages about BWC

Smart Trips and Best Workplaces for Commuters – a winning team!





Prize Trolley

Window Display Contest

Employer Health Fairs

the Tomato Head®

Window Displays

New \$5 Gift Cards!



Smart Trips





The Governor's Environmental Stewardship Award for Energy and Renewable Resources

Brother International Corporation Energy Star Certification 2012 Shelby County



From left to right:
Commissioner Bob Martineau,
TDEC
Christine Donhardt,
Sustainable Shelby
Steve Tuttle, Brother
Toru Uchibayashi, Brother
Mayor Keith McDonald, City of
Bartlett
Governor Bill Haslam



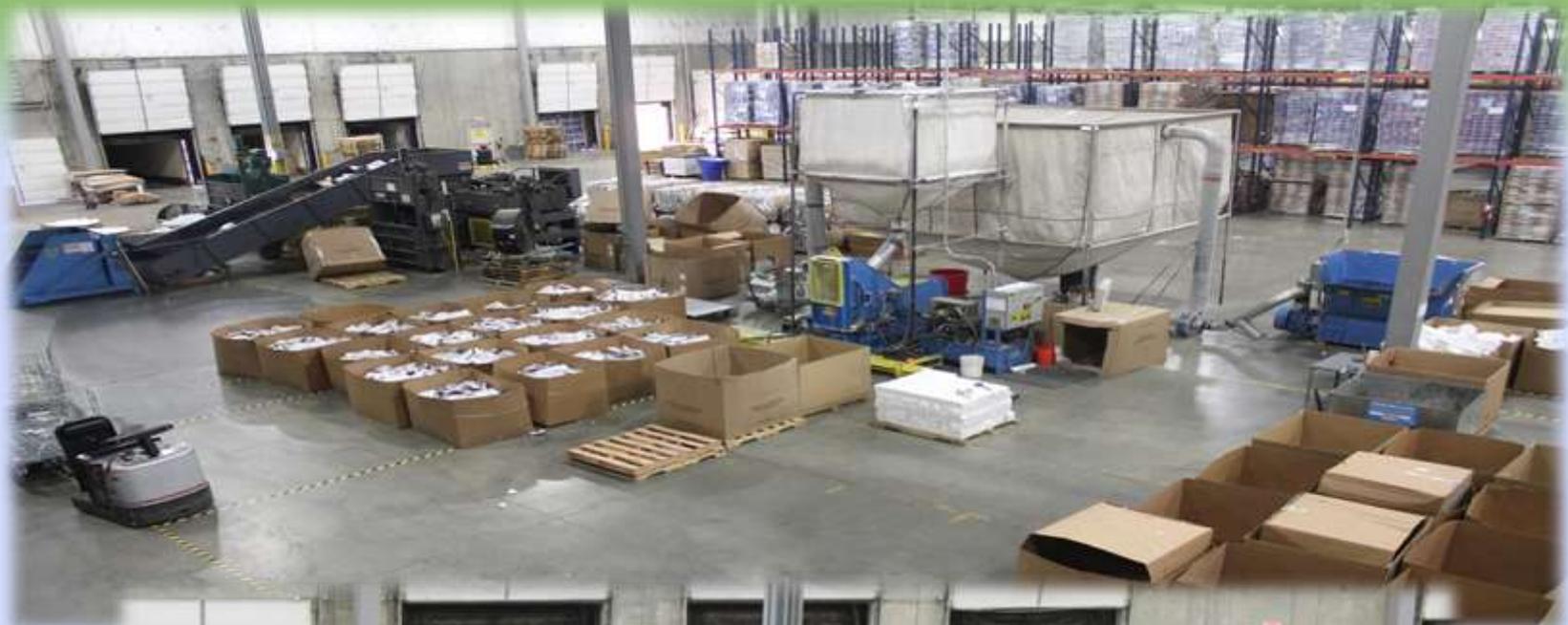
Brother International Corporation Energy Star Certification 2012 Shelby County

In 2012, Brother International Corporation achieved ENERGY STAR certification for their 1.6 million square foot distribution center in Bartlett, TN. Brother's distribution center is the largest commercial facility and one of only twelve in Tennessee to have received an ENERGY STAR rating, and by doing so has doubled the total ENERGY STAR square footage in the state. Initiatives that made this certification possible include the use of higher chiller set-points, variable drive systems for heating and cooling systems, installation of energy efficient reflective roofing, and other building and equipment upgrades; as well as construction of two 60 KW solar farms that together generate almost 180,000 kilowatt hours of clean renewable energy per year.













The Governor's Environmental Stewardship Award for
Environmental Education and Outreach
Cumberland Region Tomorrow Quality Growth Toolbox
Cheatham, Davidson, Dickson, Maury, Montgomery, Sumner, Robertson,
Rutherford, Williamson, and Wilson Counties



From left to right:
Commissioner Bob Martineau,
TDEC
Mayor Howard Bradley,
Robertson County
Sam Warlick, Cumberland Region
Tomorrow
Marion Fowlkes, Cumberland
Region Tomorrow
John L. Batey, Cumberland
Region Tomorrow
Dr. Bridget Jones, Cumberland
Region Tomorrow
Governor Bill Haslam



Cumberland Region Tomorrow Quality Growth Toolbox

Cheatham, Davidson, Dickson, Maury, Montgomery, Sumner, Robertson, Rutherford,
Williamson, and Wilson Counties

Cumberland Region Tomorrow (CRT) works to encourage growth planning and implementation by bringing people and organizations together to communicate, collaborate, and take action on issues of Middle Tennessee's future growth and development. The CRT Quality Growth Toolbox Education and Outreach Initiative promotes the adoption of innovative professional practices in community development, comprehensive planning, community reinvestment and design, strategic open space conservation, integrated land use and transportation planning, and targeted infrastructure investing that are proven to directly impact environmental quality and outcomes. CRT Quality Growth Toolbox project efforts teach key public and private leaders how to implement quality growth planning and sustainable development practices that have a direct environmental impact. These improved practices result in the creation of new comprehensive plans and support zoning and codes that create more sustainable growth patterns, preserve farmlands and important open spaces, and guide development into existing communities.



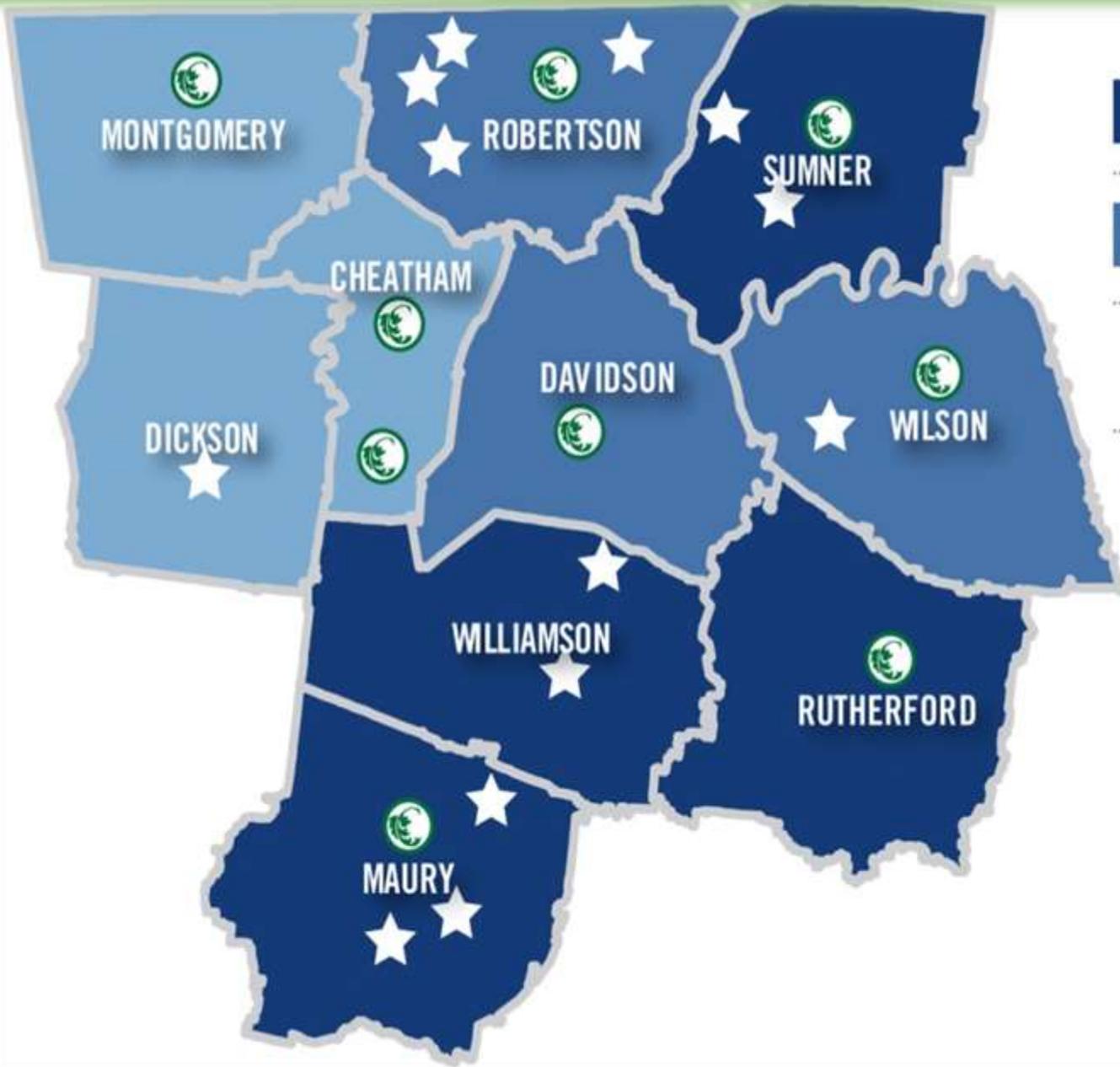


Power of Ten Summit





Training and Planning Sessions

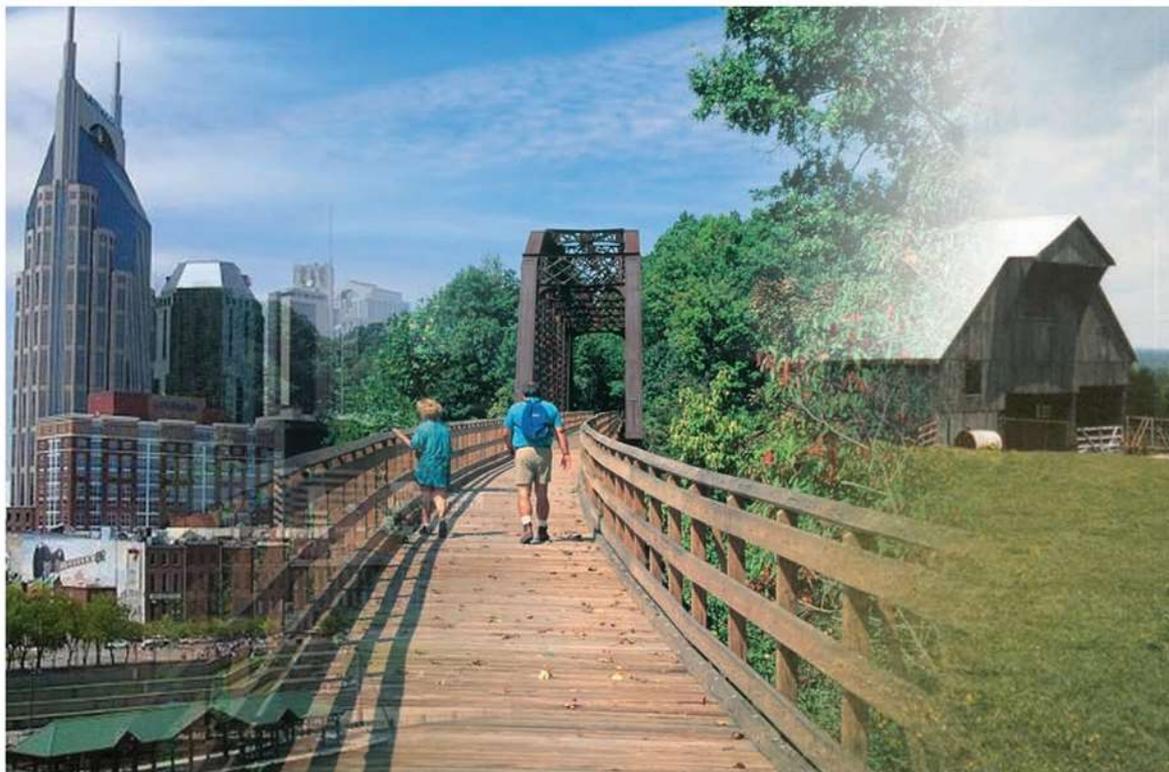


 Comprehensive Plan Completed

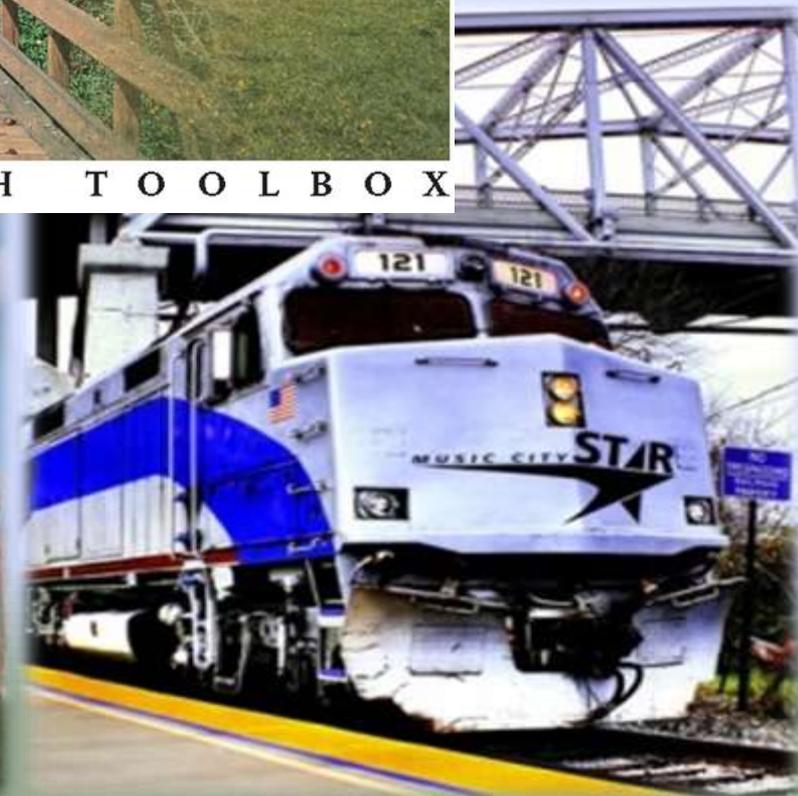
 Comprehensive Plan In Process

 Municipal Comprehensive Plans

 CRT Quality Growth Pilot Projects



QUALITY GROWTH TOOLBOX



The Governor's Environmental Stewardship Award for
Environmental Education and Outreach - Schools
Lipscomb Academy Elementary School
Davidson County



From left to right:

Front Row-

Zac Carter, Lipscomb student

Kayleigh Hall, Lipscomb student

Garrett Warner, Lipscomb student

Mary Katherine Hall, Lipscomb student

Back Row-

Commissioner Bob Martineau,
TDEC

Phyllis Sanders, Lipscomb

Becky Collins, Lipscomb

Jonathan Sheahen, Lipscomb

Ginger Reasonover, Lipscomb

Governor Bill Haslam



Lipscomb Academy Elementary School

Davidson County

In 2012-13, third-grade teachers and students at Lipscomb Academy Elementary School implemented a year-long project with several service learning components. The project, “Keep Our Water Clean,” focused students’ academic studies on environmentally safe disposal practices for unused prescription and over-the-counter medicines. Students studied the production of medications and engaged in several hands-on experiments, and learned that medications dumped into the landfill or flushed down the toilet leach into soil and remain in the water supply. They subsequently made their findings public using a variety of media and venues. Finally, the third-graders collaborated with the Lipscomb University College of Pharmacy, Nissan North America, and the Nashville Police Department to host a Household Hazardous Waste collection event where 21,768 pills (163 pounds) were collected, preventing the medications from entering Nashville’s water supply. Throughout the project, students informed thousands of Nashvillians about the proper disposal of medications to prevent water pollution, antibiotic resistance, and medicine residue in soil and food products. The project received first place in Tennessee for Disney’s Planet Challenge, and ranked in the top eight projects in Disney’s national competition.

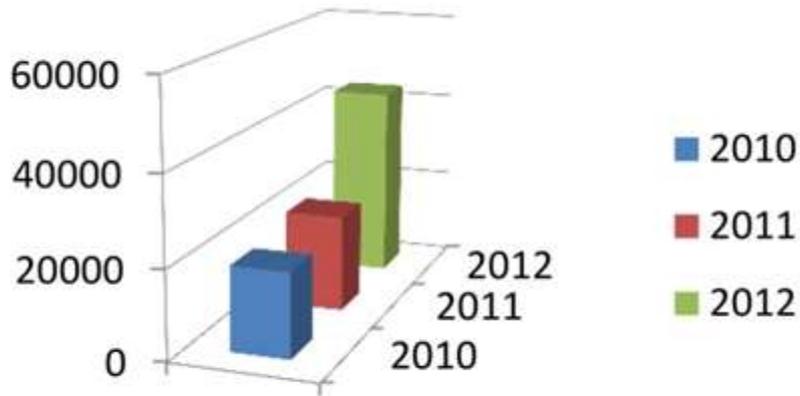












Pharmaceutical Pills

COLLECTIONS FOR 2012:

- 35,000 lbs. of e-waste
- 43,575 pharmaceutical pills
- 10,000 batteries
- 3,150 plastic bags
- 125 cell phones
- 185 ink cartridges
- 600+ florescent bulbs



Sea World Environmental Excellence Award



Office of Energy
Programs Primary
School of the Year

The Governor's Environmental Stewardship Award for
Land Use
Greensboro North Transit Ready Development
Sumner County



From left to right:
Commissioner Bob Martineau, TDEC
Lee Zoller, Greensboro North Transit Ready Development
Mayor Jo Ann Graves, City of Gallatin
Governor Bill Haslam



Greensboro North Transit Ready Development Sumner County

Greensboro North TRD is one of the first new communities in Middle Tennessee planned, designed and constructed to create a traditional neighborhood village around a transit station. The new transit station will be a central feature of the community with offices, retailers and residences located within walking distance. The development location is on 150 acres in Gallatin, Tennessee and will capitalize on the future transit line along the northeast corridor from Gallatin to downtown Nashville. Greensboro North takes a bold new approach by requiring minimum density per acre, which will maximize the land development, conserve resources, and help ensure the viability of the transit station. Greensboro North is designed to accommodate a vertical mix of uses including commercial, office, a variety of housing options and a minimum of 20% open space. It will promote a compact community connected by a walkable and bikeable network of streets and trails. The plan also encourages the use of low impact development and innovative stormwater techniques to incorporate ecological principles.



Greensboro Village

Gallatin Tennessee's Premier *Transit Ready Development*



Fairvue
Plantation

HWY 31E
Nashville Pike

Volunteer
State Community
College

T

T

Central
Transit
Station

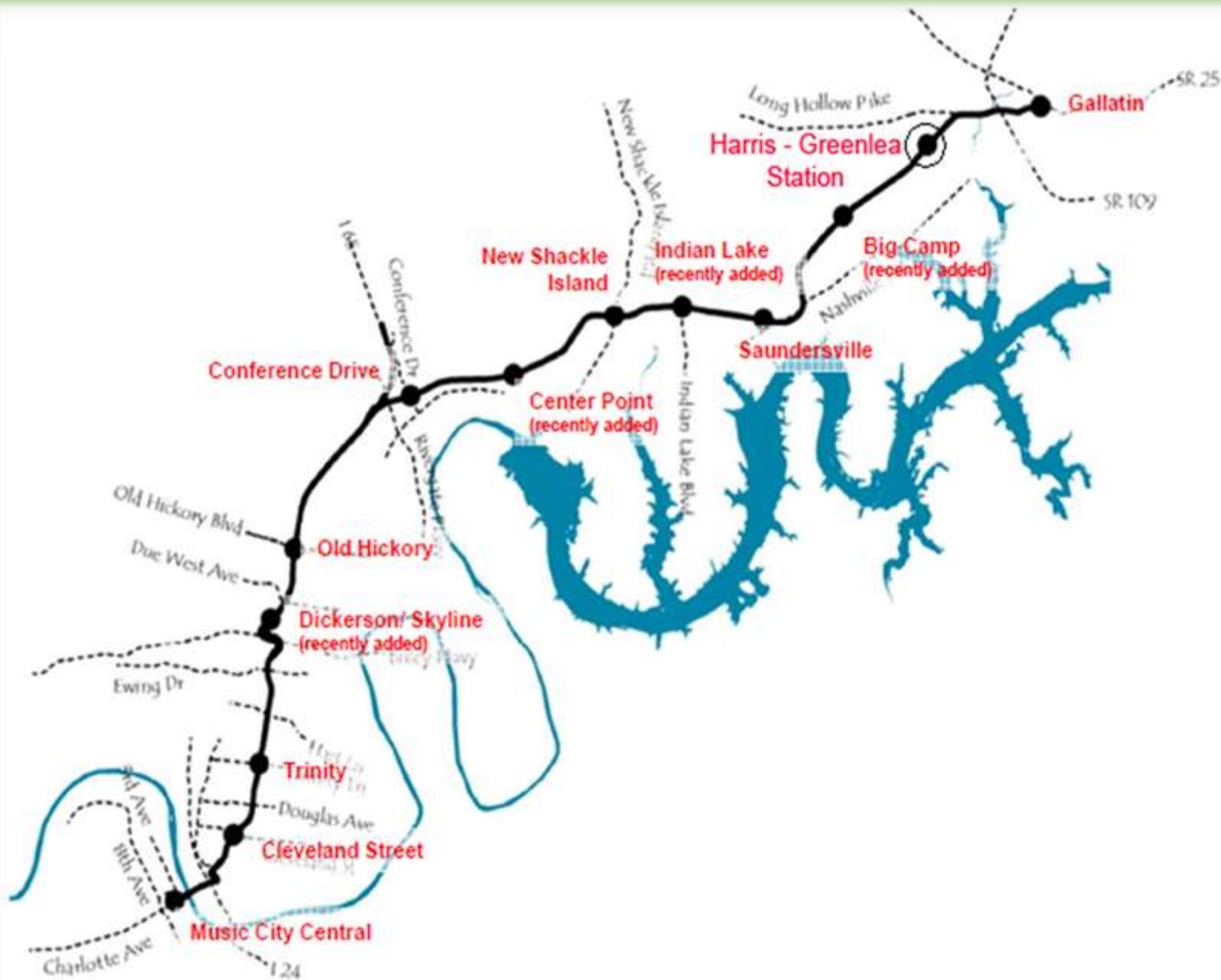
CSX
Rail

Greenlea Blvd.

Vietnam
Veteran's Hwy

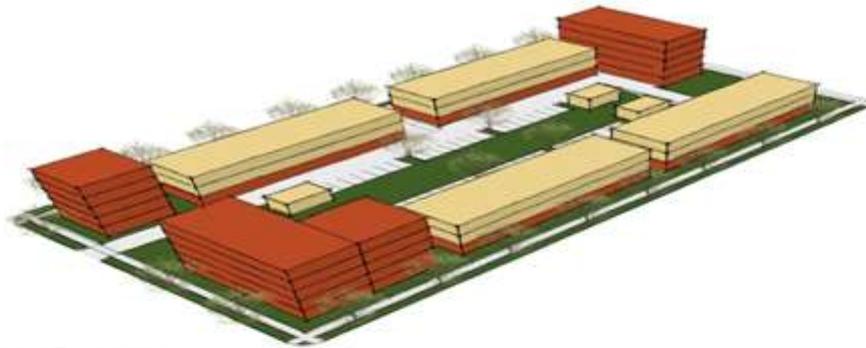
Future
Transit Line

Green
& Little, L.P.
LOBBE & ASSOCIATES, INC.

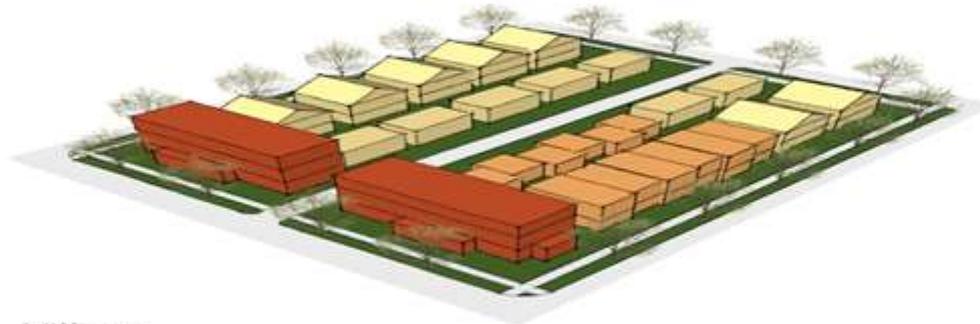




- **Mix of housing and uses**
- **Complete Streets**
- **Parking maximum (without minimums and shared parking encouraged)**
- **Bicycle and pedestrian friendly**
- **20% open space**



Village Center



Village



Village Edge



Sammy's
Frozen Yogurt

Green
& Little, L.P.

LA LOSE
& ASSOCIATES, INC.



The Governor's Environmental Stewardship Award for

Materials Management

CKNA-Lewisburg Goes Zero Landfill

Marshall County



From left to right:
Commissioner Bob Martineau, TDEC
Ken Ham, CKNA
Kevin Reinhart, CKNA
Governor Bill Haslam



CKNA-Lewisburg Goes Zero Landfill Marshall County

Calsonic Kansei North America (CKNA) reached a very significant milestone last year by becoming “landfill-free” at their Lewisburg, TN manufacturing facility. Since February 2012, the first month that “zero landfill” status was accomplished, no waste from this facility has been disposed by landfill. Calsonic-Lewisburg recycled 2290 tons of combined cardboard and plastic in 2012, an increase of almost 112% compared to 2009, the year prior to implementing “Project Zero.” The material recycled in 2012 alone represents a savings of over 15,000 cubic yards of landfill space, 75,706 million BTUs of energy, almost 377,000 gallons of oil, and 6571 metric tons of greenhouse gas (GHG) emissions avoided, just to name a few of the project’s many environmental benefits. Currently, all but approximately 5-8% of the waste material generated at Calsonic-Lewisburg is being recycled, and this is being sent to a waste-to-energy facility where it is incinerated to produce renewable electricity. While this method is significantly more expensive than it would be to landfill this material, it further underscores Calsonic-Lewisburg’s exceptional commitment to sustainable management of our natural resources, and to their community.





Green

Growth

Great

Global

G4G

Calsonic-Kansei









**CKNA-
Lewisburg
wins
Best in Plant
for Project
Zero**



The Governor's Environmental Stewardship Award for

Natural Heritage

Harpeth River Restoration Project

Williamson County



From left to right:
Commissioner Bob Martineau, TDEC
Steve Alexander, US Fish and
Wildlife
Bill Reeves, TWRA
Frank Fiss, TWRA
Jane Polansky, Tennessee State
Parks
Mayor Ken Moore, City of Franklin
Dorene Bolze, Harpeth River
Watershed Association
Ronnie Bowers, TDEC
Lindsay Gardner, SARP
Governor Bill Haslam



Harpeth River Restoration Project

Williamson County

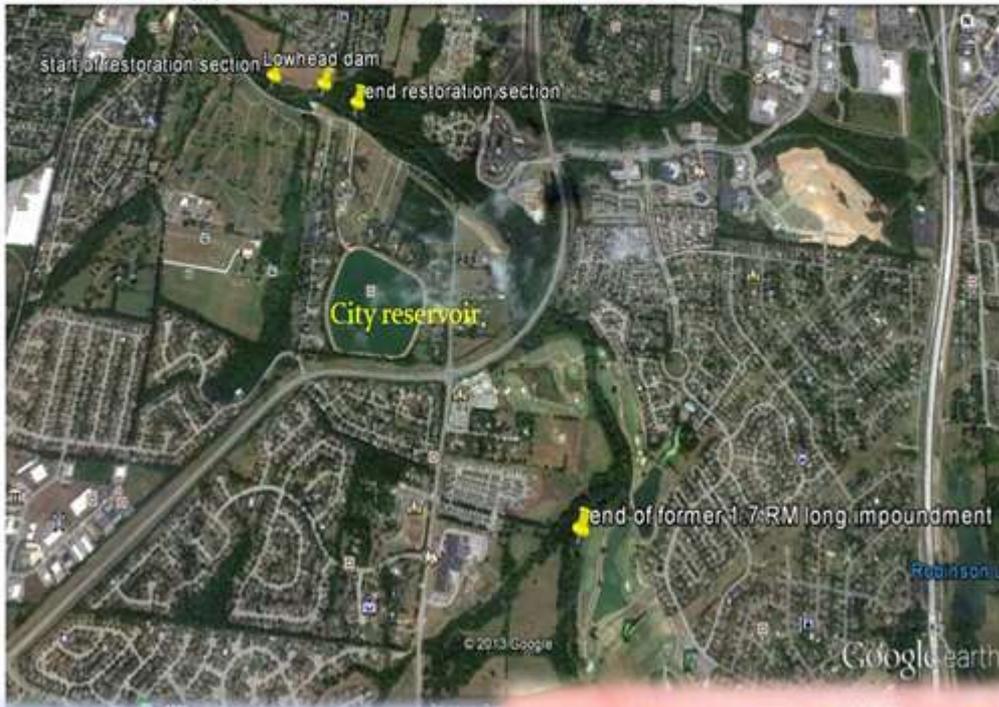
For nearly 50 years, a low-head dam located on the main stem of the Harpeth River in Franklin, Tennessee, impounded water and restricted the movement of fish. The Harpeth River Restoration Project represents a major initiative in restoring and enhancing one of Tennessee's increasingly valuable and scenic rivers. Selected as the sole demonstration project in Tennessee under the Great American Outdoors Rivers Initiative, this project illustrates how it is possible to restore the natural flow and ecology of a river system while still allowing for drinking water withdrawals. Removal of the dam in July 2012 makes the Harpeth one of the few free-flowing rivers in Tennessee, improves habitat for key, rare species, improves water quality by reducing sediment and erosion, and enhances recreational access and safety. The project's ecological significance cannot be overestimated as the Harpeth is one of a very unique system of southeastern rivers that together hold more biodiversity than anywhere else in the world.





Location and Extent of Project:

1.7 river mile long impoundment eliminated (9000 feet).
36 miles upper river section reconnected.



Rainbow darter











The Governor's Environmental Stewardship Award for
Sustainable Performance
Chattanooga Airport Sustainability:
The Green Initiative
Hamilton County



From left to right:
Commissioner Bob Martineau,
TDEC
Terry Hart, Chattanooga Airport
John Naylor, Chattanooga
Airport
Dan Jacobson, Chattanooga
Airport
Sarah Stephens, Chattanooga
Airport
Christina Siebold, Chattanooga
Airport
Governor Bill Haslam



Chattanooga Airport Sustainability: The Green Initiative

Hamilton County

As a cornerstone of the community, the Chattanooga Metropolitan Airport Authority (CMAA) shares the city's vision for sustainability. CMAA's Green Initiative pledge has resulted in numerous sustainability projects over the past five years, some of which, like working toward LEED certification for all new construction and a major commitment to renewable energy, have been true game changers. The recently constructed West Side Aviation Campus is the first such development in the world to be certified LEED Platinum. Installation of a one megawatt solar farm in 2011, with an additional two megawatts to be constructed beginning in 2013, will effectively make the Chattanooga Airport energy self-sufficient and carbon neutral. A variety of energy-efficient lighting upgrades have reduced the airport's electricity consumption by over two megawatts. An innovative stormwater and flood control demonstration project using green infrastructure, a variety of recycling programs, and community education are also part of CMAA's continuing efforts to improve the overall quality of life for the entire region.













The Governor's Environmental Stewardship Award for

Pursuit of Excellence

Bonnaroo Music and Arts Festival

Coffee County



From left to right:
Commissioner Bob
Martineau, TDEC
Jeff Cuellar, Bonnaroo
Neeley Rice, Bonnaroo
Governor Bill Haslam



Bonnaroo Music and Arts Festival Solar Array Coffee County

For five days each year 100,000 concert goers descend on Manchester, TN, for the Bonnaroo Music and Arts Festival, one of the largest such events in the country. Bonnaroo was recognized in 2010 with a Governor's Award for its outstanding efforts to reduce waste produced at the festival. In 2012, Bonnaroo's organizers turned their focus to energy use, hiring Knoxville-based Sustainable Future to design and install a 50 KW solar array. The array is expected to offset approximately 20% of Bonnaroo's annual electric bill, and generates clean, renewable energy that is sent back to Duck River Utilities throughout the year. The project was 100% funded with voluntary attendee contributions along with a modest \$1 per ticket surcharge. Bonnaroo is the first major festival in the country to have a permanent and significant solar array, further demonstrating their commitment to environmental leadership and once again raising the bar for other festivals.



bonnaroo

RECYCLING

ALL PLASTIC CONTAINERS

ALUMINUM AND TIN CANS

GLASS BOTTLES

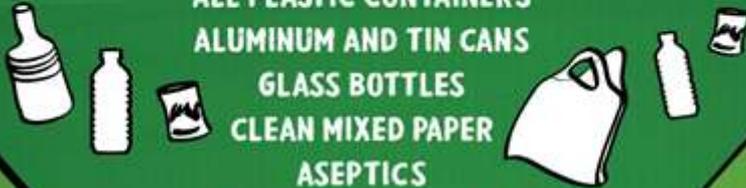
CLEAN MIXED PAPER

ASEPTICS

PLASTIC GROCERY BAGS

PLASTIC PACKAGING

CARDBOARD



COMPOST
ALL FOOD,
SOILED PAPER,
NAPKINS,
ALL CUPS, &
UTENSILS



LANDFILL
NOT MUCH SHOULD
GO IN HERE!
CIGARETTE BUTTS,
STYROFOAM, CHIP BAGS,
ICE CREAM & CANDY
WRAPPERS







2012 Bonnaroo Waste Diversion Rates by Weight



32% of all waste diverted from landfill by **WEIGHT**

- 98.87 tons hauled commingled to QRS Recycling, WasteAway or Richardson Construction Recycling
- 15.76 tons of scrap metal hauled to CFC Recycling in Tullahoma
- 41.84 tons of cardboard, office paper, and electronics hauled to Coffee County Recycling
- 1.6 tons of PVC hauled to Coffee County Recycling
- 5.7 tons of used cooking oil diverted and collected by Tennessee Bio Energy to be processed into biodiesel
- Approximately 70 tons of compost



(C) Douglas Mason

The Governor's Environmental Stewardship Award for

Pursuit of Excellence

Volkswagen's Pursuit of Environmental Excellence Hamilton County



From left to right:
Commissioner Bob Martineau, TDEC
David Gustashaw, Volkswagen
Bradley Siegan, Volkswagen
Mark Indek, Volkswagen
David Calfee, Volkswagen
Michael Finley, Volkswagen
Kaye Fiorello, Volkswagen
Governor Bill Haslam



Volkswagen's Pursuit of Environmental Excellence

Hamilton County

Volkswagen of North America received a 2011 Governor's Award for Excellence in Building Green for their \$1 billion LEED Platinum-certified Chattanooga production facility. As soon as construction was completed and full-scale production commenced, the site began implementing ongoing sustainability initiatives in multiple areas. These include dual certification in ISO 14001 (Environmental Management) and ISO 50001 (Energy Management); a 9.5 megawatt solar array, the largest in Tennessee and the largest at any U.S. auto plant; restoration and protection of a 40-acre onsite wetland; several projects designed to minimize packaging waste; a pilot project for the reuse of powdered limestone used in their "Eco Dry" paint scrubber system; and an innovative process that results in a 93% reduction in "destructive testing" of welded frames, and therefore far less scrap metal. These projects are all proof point of Volkswagen's ongoing commitment to sustainability under its 'Think Blue. Factory' philosophy, a broadly focused initiative for all Volkswagen plants to achieve more efficient use of energy, materials and water and produce less waste and emissions.







CHATTANOOGA
SOLAR PARK POWER UP
January 23rd 2013









No auto plant works better with nature.

World's First LEED® Platinum Factory.



Chattanooga



The Robert Sparks Walker Lifetime Achievement Award

James H. Fyke Davidson County



From left to right:
Commissioner Bob Martineau, TDEC
Jim Fyke, Robert Sparks Walker Lifetime Achievement Award Winner
Governor Bill Haslam



James H. Fyke

Davidson County

The Robert Sparks Walker Lifetime Achievement Award was given to James H. (Jim) Fyke, former TDEC Commissioner and director of Metro Parks, and a long-time advocate of land conservation in Tennessee.

“Jim Fyke has dedicated the majority of his adult life to improving the quality of life for all Tennesseans,” said Martineau. “His contributions to the expansion of public lands, improved outdoor recreational opportunities, and the protection and preservation of Tennessee’s natural resources are unprecedented. There is no doubt that Jim has truly made better places and greener spaces for the citizens of Nashville and for the entire state of Tennessee.”

Fyke’s 48 years of distinguished public service includes roles as the director of the Metropolitan Nashville Board of Parks and Recreation from 1978 to 2003, and subsequently as deputy commissioner for Tennessee State Parks, and then as commissioner of the Tennessee Department of Environment and Conservation.



James H. Fyke

Davidson County (continued)

During Fyke's 39-year tenure with Metro Parks, he helped transform it into one of the best and largest municipal park systems in the country, increasing the number of city parks from 57 to 100 and total acreage from 5,800 to more than 10,000. He also established the Metro Nashville Greenways Commission; formed the city's first Parks and Greenways Master Plan; and coordinated the acquisition and development of Beaman Park, Shelby Bottoms Park and Greenway, and the Warner Park Nature Center.

Upon arriving at TDEC, Fyke rejuvenated the state parks system that had been impacted by significant budget challenges. These efforts culminated in 2007 when the National Recreation and Parks Association recognized Tennessee State Parks as the best state park system in the nation with its Gold Medal Award. As TDEC Commissioner, Fyke was also instrumental in protecting and conserving more than 200,000 acres of public lands, including 124,000 acres on the North Cumberland Plateau, the largest such acquisition in state history.

Fyke's diverse achievements include several distinguished awards, including being named the Tennessee Golf Foundation's "Golf Person of the Year" in 2003, the Tennessee Wildlife Federation's "Conservationist of the Year" in 2008, and his induction into the Nashville Public Schools Hall of Fame in 2011.



In Service to Metro Nashville... and 4 Mayors



With Mayor Richard Fulton



With Mayor Bill Boner



With Mayor Phil Bredesen



With Mayor Bill Purcell

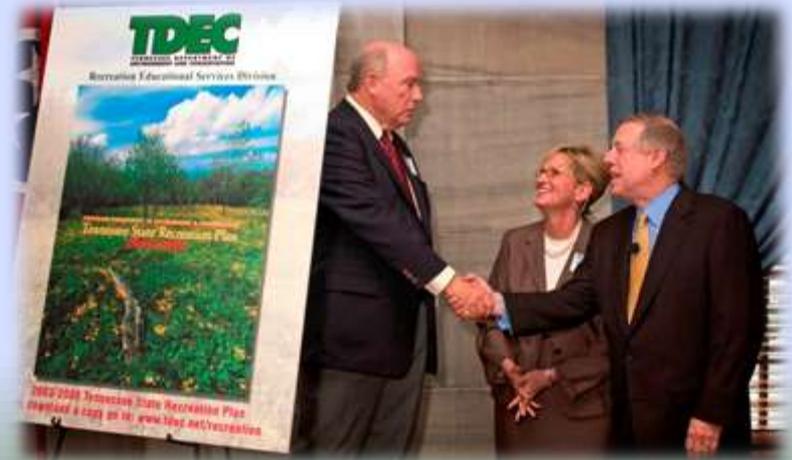
Metro Nashville Parks Recognized as Best in Nation



Metro Nashville Beautification Recognized Nationally



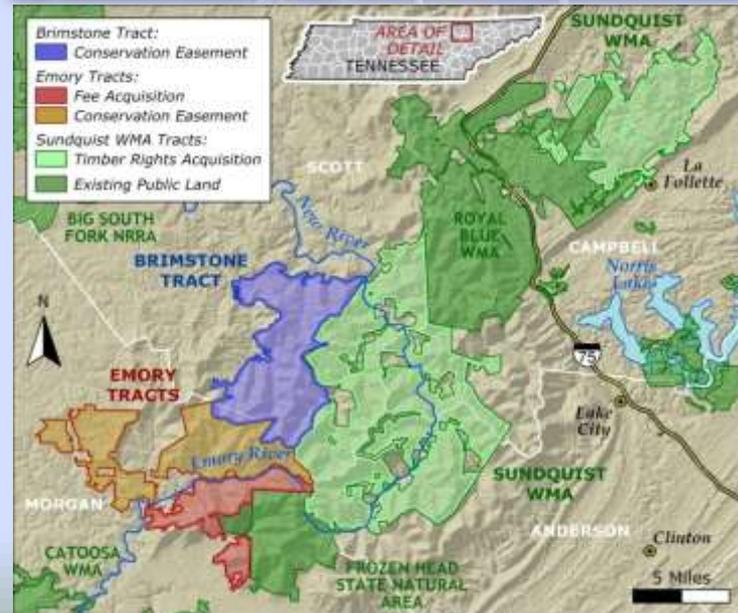
In Service to Tennessee



Tennessee State Parks Recognized as Best in Nation



The “Land Man”



127,000-acre North Cumberlands Acquisition in 2007 was largest state land acquisition in the history of Tennessee

Recognized for His Diverse Achievements



Tennessee Wildlife Federation's
Conservationist of the Year in 2008



Tennessee Golf Person of the Year in 2003



Inducted into Metro Nashville Public
Schools Hall of Fame in 2011

Right at Home with Everyone



A Stalwart for Tennessee State Parks



But Never Forgetting What Matters Most



**2013 Robert Sparks Walker Lifetime
Conservation Achievement Award Recipient**



James H. (Jim) Fyke

