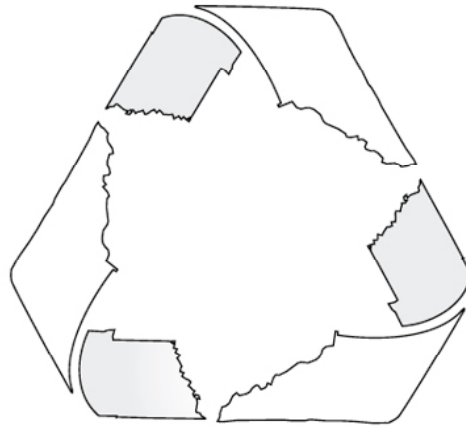




DRAFT Sustainability Agenda 2008



 SUSTAINABLE 
TENNESSEE
MANY VOICES, COMMON VISION

Prepared by:

Tennessee Environmental Council
Tennessee Conservation Voters
Greener Tennessee

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Working Group Chair

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Diana Sullivan, *Coldwell Banker Professional Services*
David Bordenkircher, *Sierra Club Smart Growth Committee*

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Charlie Geiger, *Middle Tennessee Green*

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Martha Lyle Ford, *Tennessee Wildlife Federation*

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Agenda Group Contributors

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Bruce Wood, *BURNT*
Mike Crosby, *Breathe Clean Air Action Team, Tennessee Environmental Council*

SUMMARY

The Summit for a Sustainable Tennessee is a multi-year process of conversations between thousands of citizens, companies and institutions in order to build consensus around long-term, visionary, and economically practical solutions for making Tennessee truly sustainable and prosperous. An annual statewide sustainability agenda will maximize this opportunity by focusing citizen, corporate and institutional resources toward common goals.

The Annual Summit will bring together private companies, non-profit organizations, agencies, institutions, community and business leaders and citizens from across the state with an interest in the long-term future of Tennessee, including its economy, its diverse communities and its land, air, water and wildlife. A guiding principle for the Summit will be a positive emphasis on the environmental, economic and community benefits of conserving natural resources and promoting sustainable practices in homes, workplaces and neighborhoods.

WHY A SUMMIT? WHY NOW?

Tennessee's economy and population are growing, and although there is a myriad of benefits that come with this growth there are also many costs to our natural heritage, our public health and our shared sense of civic life.

Tennessee ranks seventh in the nation in the amount of natural landscape lost each year to commercial and residential development--an average loss of more than 80,000 acres per year. Sprawl-style development patterns that focus on moving cars instead of people lead to Tennesseans driving millions of miles in their cars, mostly alone, instead of biking, walking or taking transit. What we've gained in convenience, we've paid for in dirty air and increased respiratory ailments, obesity and other sedentary diseases among children and adults.

And now, with an increased understanding of the threats of global climate change, we all share the critical responsibility to shift our priorities toward healthier choices that are less dependent on using fossil fuels. More and more, the most attractive communities and the most profitable companies across the US and around the world are the ones based on sustainable principles. Tennessee's industries and cities can not afford to sit back while others move farther and farther ahead in the race to live, work and invest green.

Fortunately, Tennessee still enjoys a rich reserve of unspoiled landscapes and waterways. These areas are valued by more citizens than ever as places to relax and recreate. But we can't afford to take any of these resources for granted. The same sprawling development that brings jobs and tax revenues to many areas, seriously threatens these life-giving landscapes.

In all too many cases, once these valleys and streams are built over and drained dry, they are essentially lost forever....and with them, the birds, fish and other wildlife that called them home.

Now, before it is too late, is the critical time to take care of our remaining natural resources. To do so, we, as conservationists and environmental entrepreneurs, will have to leverage our new found

political and economic clout in innovative ways. Now is the time to imagine in detail what a healthy, prosperous, ecologically balanced Tennessee would look like, *and feel like*, in 25 or 50 years. Working together, we can begin *today* creating that greener, more sustainable place for working, for learning and for living.

A HISTORY OF STATEWIDE COLLABORATION

In 1973, the Tennessee Environmental Council hosted the first annual "inter-group" meeting of concerned citizens and environmentalists, later to be called the "Tennessee Environmental Congress". This yearly gathering provided workshops on critical state environmental issues and developed a preliminary statewide environmental agenda for the state government and legislature. Though progress was made on a host of issues, Tennessee still faces, almost thirty-five years later, some of the same challenges and threats to our shared natural heritage. Today, there are new challenges and risks to Tennessee's quality of life and the goal of sustainable growth that were not easy to foresee a generation ago.

THE ROAD TO THE 2008 SUMMIT

Early in 2007, the leadership of the Tennessee Environmental Council and Tennessee Conservation Voters (TCV) came together to re-establish the idea of an annual gathering of conservationists and other citizens with similar interests. These organizers were motivated by the idea of assembling representatives from several communities that had common interests but little history of working together. Forging new partnerships and sharing ideas and solutions in new ways would require finding common ground among concerned citizens, representatives of private industry, conservation groups, environmental policy experts, elected officials, educators and community leaders from a wide range of backgrounds.

A planning committee made up of members of fifteen organizations began meeting regularly in Nashville in May, 2007. Through the efforts of this committee and with the leadership of the Council and TCV, a historically broad consensus has been formed around the need to begin speaking with more unity on conservation and sustainability issues. As a first step, the planning committee developed a detailed work plan for organizing a statewide gathering to be called *The Summit for a Sustainable Tennessee*.

More than two hundred citizens representing at least eighty Tennessee communities, organizations and agencies gathered for the first annual *Summit for a Sustainable Tennessee* at Lipscomb University in Nashville in November 2007, to begin a multi-phase, year-long process of crafting the state's first sustainability agenda.

The 2007 Summit for a Sustainable Tennessee was only the first step in an ongoing, multi-year process of innovation, collaboration and re-invention. From January through October of 2008, three Regional Opportunity Forums were held in Knoxville, Chattanooga and Memphis. Early on in 2008, the Tennessee Environmental Council and the Tennessee Conservation Voters joined in

partnership with Greener Tennessee to create an on-line networking forum for post-summit follow-up. The forum will debut on greener.tennessee.org in November 2008.

By April of 2008 more than 15 individuals were engaged in bi-monthly meetings via conference calls and face-to-face, preparing for the 2008 Summit. This action committee was formed to report out from across the state, monitor progress on the *Sustainability Agenda*, and serve as a decision-making body to develop and implement ideas for collective action. Out of this ongoing visioning process, fourteen sub-groups developed: Air, Water, Land, Energy, Solid Waste & Recycling, Healthy Communities, Quality Growth, Sustainable Energy, Natural Infrastructure, Government, Education, Growing a New Economy and Networking. These sub-groups met to discuss issues and opportunities specific to each area whilst merging the common vision by working towards a plan for raising Tennessee's overall quality of life and level of sustainability.

Now, in the fall of 2008, we'll join together again, for the Second Annual *Summit for a Sustainable Tennessee*. The goal of the 2008 Summit is to establish an efficient and equitable process for crafting, prioritizing and advancing a statewide sustainability agenda for 2009 and action plan for its implementation. This statewide plan for a sustainable Tennessee, to be known as The 2009 Sustainability Agenda, should establish the connection between the natural landscape, a healthy environment, a healthy economy and improved quality of life for all citizens.

It is vital that we proceed deliberately toward a statewide consensus on the next phase of sustainable solutions that will move Tennessee ever closer to true sustainability, and with it, sustainable prosperity and real protection of our state's land, air and water. To reach this consensus, the Summit will bring together from across the state hundreds of activists, community leaders, companies and organizations. Participants will be invited to share working models and case studies, and to demonstrate the most effective and environmentally sound practices, products and programs from every part of Tennessee.

We believe a diverse community of participants is necessary if we are to understand our state's most pressing environmental issues and the related economic and social challenges in a meaningful and politically influential way. This statewide collaborative effort seeks to represent a truly broad cross section of Tennessee's communities and populations. We are eager to invite new groups and community leaders whose skills have gone untapped and whose voices have not traditionally been heard at the table when environmental issues were being discussed.

Many voices. One vision. Working together, at last, we are prepared to make the next great leap forward toward sustaining a healthy, vital and prosperous Tennessee for all its citizens.

HOW CAN YOU, YOUR ORGANIZATION OR YOUR COMPANY GET INVOLVED IN THIS PROCESS?

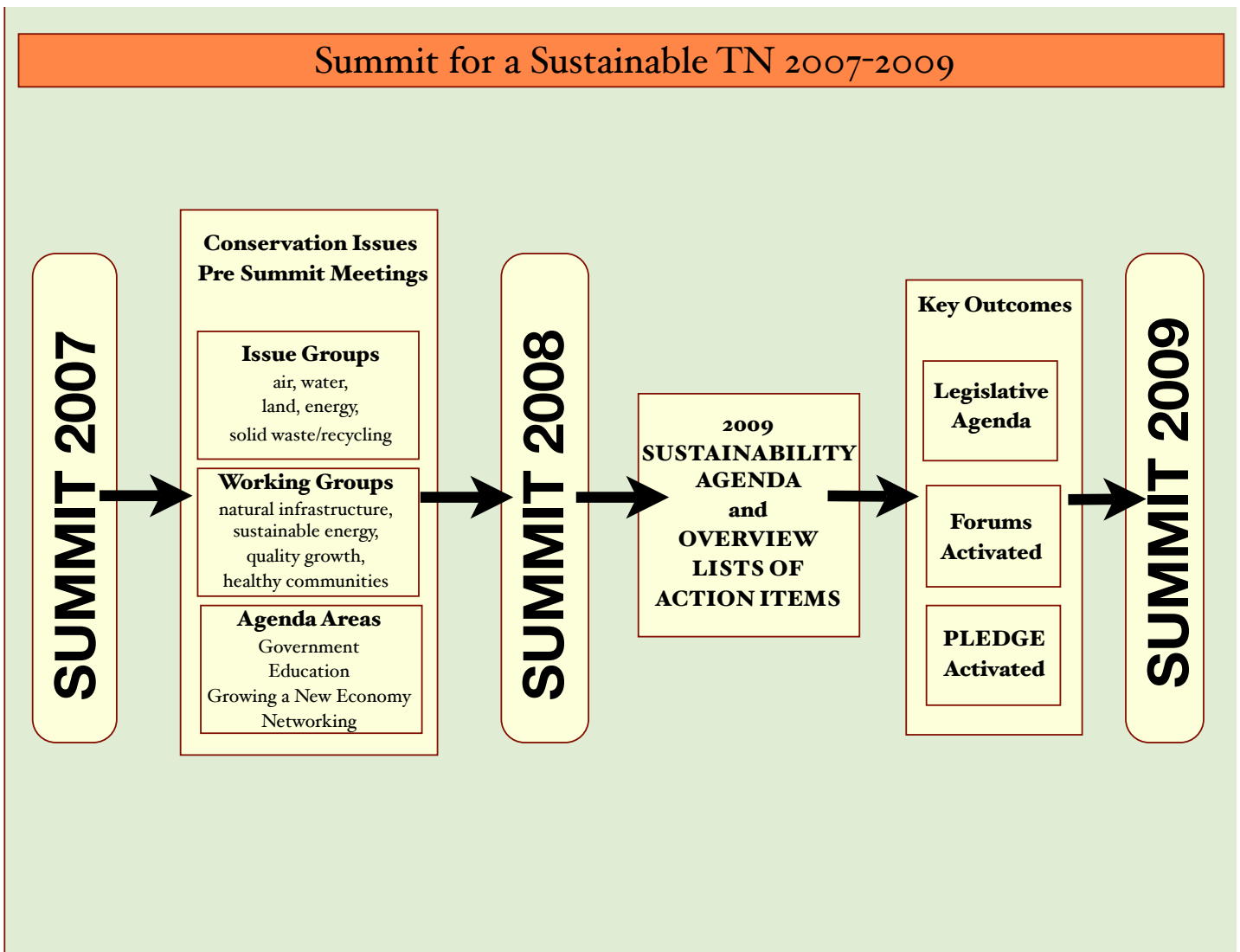
Shifting Tennessee toward true sustainability will unleash a wealth of economic and cultural opportunities for local businesses and communities in every corner of the state. But it will also require the dedication, ingenuity and creativity of thousands of working men and women, young people

and retirees from across the state. It will involve concerned and civic-minded citizens, volunteers, ecologists, naturalists, scientists and other conservation professionals in several fields working at hundreds of private companies and non-profit organizations at the state, local and neighborhood level.

If you or your company, community or organization has talent, ideas or other resources you can contribute to this statewide effort, we need to hear from you.

We are ready to put you in touch with other leaders and innovators who are eager to collaborate on visionary and practical solutions for Tennessee. To find out how you can play a role, and reap the benefits of a shared agenda and a more efficient, more balanced approach to growth, contact the Tennessee Environmental Council at tec@tectn.org or 615-248-6500.

For details on the *Summit*, visit: <http://www.sustainabletn.org>



COMMITTEE REPORT FORMS

ISSUE GROUPS // SESSION 4

– Friday November 14, 2008 9:30 AM – 12:30 PM

AIR

1. **Name of committee:** Air Quality Network (AQNet)
2. **Purpose statement:** The purpose of the Tennessee Air Quality Network is to cooperate to improve air quality in the TN Airshed.
3. **Priority issues based on importance and highest chance of measurable success (support from people, resources and greatest impact)**

Air Committee Recommendations DRAFT 10-28-08

AGENDA	ISSUE	• ACTION ITEMS
Government	Local	Local governments rigorously enforce the 55 mph truck speed limit and lower automotive speed limits enacted in non-attainment areas.
	Legislative	•TDEC, at least once a year, recommend to the APC Board specific initiatives that should be considered for action by the APC Board.
		•The state legislature issues a resolution requiring TVA implement the required pollution controls to reduce emissions from all coal fired power plants.
		•The APC Board shall include a representative from the State Health Dept. and that additional representatives be named from Citizen Environmental groups. (Also needed for Solid Waste and Water Quality Boards)
		•State shall adopt California vehicle emission standards as soon as EPA allows other states to adopt.
		•Require that TDEC and the Health Department identify the incremental health cost associated with air quality non-attainment.

AGENDA	ISSUE	• ACTION ITEMS
Government	Legislative	<p>• <u>Mayors Conference Climate Protection</u></p> <p>• WHEREAS there is increased awareness that the amount of carbon dioxide in the air is increasing and that poor air quality results in negative impacts to human inhabitants, flora, fauna, and the economy of Tennessee and</p> <p>WHEREAS there are rising cases of asthma, respiratory and cardiovascular diseases among Tennesseans that can be reduced with improved air quality and</p> <p>WHEREAS new technology for alternative energies and green building methods and road building techniques are available that can improve air quality through removal of carbon dioxide, toxins, particulates, sulfur dioxide, nitrous oxides, and mercury radiation and</p> <p>WHEREAS increased planting of trees in urban areas can capture additional carbon dioxide to improve air quality and</p> <p>WHEREAS air quality can be improved through curtailment of urban sprawl, increased transportation choices, and appropriate environmental policies and</p> <p>WHEREAS certain cities in Tennessee have already signed on to the U.S. Conference of Mayors Climate Protection Agreement with the goal of reducing greenhouse gas emissions by a time certain,</p> <p>THEREFORE we endorse the US Mayors Conference Climate Protection Agreement and ask the State of Tennessee to pass legislation requesting all TN counties and municipalities to develop a Climate Action Plan that will result in reduction of both criteria air pollutants and carbon dioxide. Any plan should include tracking and reporting procedures to show actual reductions in emissions.</p>
Economy	Business	
	Consumers	**Promote the purchase of Energy Star appliances and equipment as a means to save money and improve air quality.
	Economics	
Education	Higher	

AGENDA	ISSUE	• ACTION ITEMS
	K-12	Promote showings of “Kilowatt Ours” and relate to pollution and health issues.
	Community	** Write articles for newspapers which clearly explain the impact of excess speed, open burning, and heating/cooling degrees on emissions and air quality.
Network	Events	
	Website	**Establish web site for Air Quality Network (AQNet)
	Follow-up	**Continue AQNet teleconferences.

ENERGY

1. Name of committee: Energy Committee

2. **Purpose Statement:** The purpose of the Energy Committee is to create achievable, measurable, trackable action items and agendas related to smarter energy policy and activity involving energy efficiency, energy conservation, and renewable energy rather than expanding energy needs and dirty sources of supply such as CO2 intensive coal, oil, etc. and moving toward renewable sources rather than nuclear. This includes the following sectors: business, consumer, education and the economy. The Energy Committee aims to strengthen the existing networks related to sustainable energy and to create a task force to follow through with actions and agendas and to provide long term education and awareness regarding these initiatives to the public.

SUMMARY:

- o Create action and agenda items
- o Strengthen existing networks and create a task force
- o Provide education and awareness to the public

3. Resources

List websites that are related to your issue :

www.Solarvalley.net. www.sierraclub.org www.coolcities.us www.cleanenergy.org/

4. Identify existing area networks related to your issue with their website and contact information

Sierra Club, BEST, US Green Building Council, Solar Valley Network, SACE

5. Identify additional ways of networking to be developed Governor’s Energy Task Force

TVA, TDEC, Sustainable and Cool City efforts in the cities.

6. Follow-up post Summit strategy

- 1) **Please identify a chair of your issue committee who will lead your committee post Summit:**
Steven Sondheim
- 2) **Please identify the members of your committee who will produce documentation of actions as they are completed and complete the report.**
Steven Sondheim, Brian Paddock, Louise Gorenflo
- 3) **Please indicate committee members interested in recruiting for 2009 events such as Regional Opportunity Forums.**
David Reister-Knoxville, Gene Hyde-Chattanooga, Steven Sondheim-Memphis

7. Identify a list of issues in your area, for instance mountain top removal or climate change.

- 1. Support recommendations of Governor’s Energy Task Force (to be received in January ’09)
- 2. Focus on building energy efficiency – modernize TN Energy building codes – cover both residential and commercial buildings; going to 2006 international code or better; codes adapted in all jurisdictions; Staffing and training of code inspectors
- 3. Transportation -- Prepare and support legislation to reduce vehicle fuel consumption + increase mobility options

8. Create 1-3 measurable action items for the agenda items below (you may not have an item for each agenda item).

**Energy Committee Recommendations
2008 Sustainable TN Summit**

AGENDA	ISSUE	• ACTION ITEMS
Government	Local	Work with municipal and county governments to develop sustainability plans including Cool City and Cool County
	Legislative	Support legislative recommendations of Governor's Energy Policy Task Force State-wide enforcement of updated residential and commercial energy building codes. Increase mobility options and reduce VMT through increased support of public transportation.

A G E N D A	I S S U E	• ACTION ITEMS
	Regulatory	<p>Support Lead By Example regulatory recommendations of Governor's Energy Policy Task Force</p> <p>Incentivize low-impact, low VMT development</p> <p>Agency by Agency annual report card on progress toward achieving targets verified by third party.</p> <p>TDOT Review of 25-Year Plan and 10-Year Investment Plan including a report of energy and CO2 GHG with goals set for reductions.</p> <p>Require all new TDOT transport projects to demonstrate a reduction in vehicle miles traveled. TODT should reallocate highway funds for new lane miles to mass transit and evaluate how highway projects can be avoided through public transit or other mobility options for both passengers and freight.</p> <p>The State of Tennessee should mandate that local planning commissions require developers to demonstrate how their proposed projects will reduce vehicle miles traveled.</p> <p>Create a State Sustainable Energy Department to coordinate activities on the state level and to improve communication with local government and industry.</p>
Economy	Business	Create a single or series of financial vehicles to support finance for projects that have particularly high energy efficiency potential.
	Consumers	The State of Tennessee should encourage the adoption of energy efficiency and renewable energy by making the purchase of such equipment sales tax exempt. This shall include exemptions of all Energy Efficient appliances that achieve the EPA/DOE standard of Energy Star as well as the purchase of Solar PV and Solar Hot Water equipment in the State.
	Economics	Economic development recruiting and financial incentives should be aimed for projects which produce new green jobs and which are based on clean technology.
Education	Higher	TN Economic and Community Development, in partnership with the TN Board of Regents to develop and fund Clean Tech and Green Jobs employment skills certification programs, job training programs, and degree programs.
	K-12	The State should require the State Board of Education to update, adopt, and require energy conservation and efficiency curriculum materials for grades 8-12.
	Community	Require state capacity-building Smart Growth training for local planners, planning commissions, RPOs and MPOs.
Network	Events	
	Website	Solar Valley Coalition website
	Follow-up	Solar Valley regular calls

LAND, FORESTRY & WILDLIFE

1. **Name of your committee:** Land, Forestry & Wildlife
2. **Committee chair/co-chair:** Kathleen Williams and John Fenderson
3. **Purpose statement of this committee:** Identify threats and opportunities as they relate to TN lands. To protect the best TN has to offer while keeping forests as forests.
4. **Resources**
 - Identify Professional Speakers for the Summit :**
Kathleen Williams, Herb Paugh, John Fenderson, John Noel, Dawn Coppock, Dr. Bridget Kelly, Greg Wathen
 - List websites that are related to your issue:**
TDF, TWRA, Ford Foundation, National Network of Forest Practitioners, Land Trust for Tennessee, TNC, TN Heritage Trust, etc.
 - Other**
Educational Institutions, Eco-friendly businesses
5. **Identify existing area networks related to your issue with their website and contact information:**
Alliance for the Cumberlands, TN Citizens for Wilderness Planning
6. **Identify additional ways of networking to be developed**
 - What networking opportunities do you see for 2009?**
Sponsor a “Day on the Hill” at Legislative Plaza;
 - How can the network in your issue area be expanded?**
By circulating a survey with the main question being: How can you commit to furthering this agenda where I live, work, and play?
7. **Follow-up post Summit strategy**
 - o **Please identify a chair of your issue committee who will lead your committee post Summit**
Kathleen Williams and John Fenderson
8. **Identify a list of issues in your area, for instance mountain top removal or climate change.**
 - a) Mountain top removal; b) Real Estate transfer tax; c) Longevity Reach of TN Heritage Conservation Trust; d) ancillary issue - Carbon Credit Registry
9. **Committee Recommendations**

LAND, FORESTRY AND WILDLIFE COMMITTEE RECOMMENDATIONS

AGENDA	ISSUE	• ACTION ITEMS
Government	Local	Tree ordinance in all communities to combat growth pressures, and promote quality,
	Legislative	Phone and email network, “Sustainable Summit Day on the Hill”

AGENDA	ISSUE	ACTION ITEMS
	Regulatory	Strengthen H2O Quality regulations within the state to prevent dumping from mountain top mine waste; placing tree benefit knowledge questions on the State contractor licensing exams & questions that deal with water quality
Economy	Business	Sustainable Forest and Ag production
	Consumers	Tourism, Pharmacopeia, Wildlife viewing expenditures, Outdoor recreation
	Economics	Benefits of land conservation for economy, Water quality and quantity, Trees in urban settings (natural infrastructure appreciates in value) cost savings to cities and counties, Carbon sequestration (Ecosystem Services), Points System for good deeds along the lines of the Governor's three star program
Education	Higher	Municipalities through Municipal Tech Assistance Service MTAS, CTAS (UTK), program curriculum for Urban Forestry (parks and greenways incl.)
	K-12	Planned outdoor experience requirement to address nature deficit
	Community	TN Master Naturalist, Wildland Urban Interface –TN Division of Forestry,
Network	Events	Link to other sustainability programming (i.e. Urban forestry annual conference, U.S. Greenbuilder programming events)
	Website	Links to articles in the newspaper shedding light on good and the bad; link to EPA compliance report (incl. hotline)
	Follow-up	Continue to identify and recruit new stakeholders & groups (i.e. all tree boards across the state, air quality associations statewide)

WATER ISSUES

1. **Name of your committee:** Water Issues
2. **Purpose statement of this committee:** This committee serves to provide a comprehensive discussion regarding water quality and water quantity.

3. Resources

Identify Professional Speakers for the Summit – Dorie Bolze, Enforcement speaker, Utility speaker
List websites that are related to your issue - <http://www.tcwn.org/>,
<http://www.state.tn.us/environment/wpc/>, <http://www.epa.gov/watersense/>, <http://www.harpethriver.org/>

4. **Identify existing area networks related to your issue with their website and contact information**

- Tennessee Water Groups , Tennessee Clean Water Network <http://www.tcwn.org/>
- Harpeth River Watershed Association <http://www.harpethriver.org/>

5. Identify additional ways of networking to be developed

Informing citizen attendees about our primary issues/concerns and why they are issues to us. Determining how to get a unified message across.

6. Follow-up post Summit strategy

1) Please identify a chair of your issue committee who will lead your committee post Summit.

Dana Wright/Mary Mastin

2) Please identify the members of your committee who will produce documentation of actions as they are completed and complete the report.

Mary Mastin, Dennis Gregg, Sandra Goss

7. Identify a list of issues in your area, for instance mountain top removal or climate change.

Conservation, opposition to the change in the definition to “waters,” Enforcement, Stormwater, Messaging

8. Choose priority issues based on importance and highest chance of measurable success (support from people, resources and greatest impact)

- a. Opposing legislative change to definition of “waters”
- b. Stormwater
- c. Enforcement
- d. Conservation
- e. Protecting streams from Mountain top Removal – enact a strong state stream buffer zone

9. Create 1-3 measurable action items for the agenda items below (you may not have an item for each agenda item).

•Education

Project WET, Rain Barrel Workshops, Public Outreach through press releases and LTEs, EPA’s WaterSense Program

•Government

State Legislative – support legislation recognizing that:

- The State of Tennessee must defend the protection of headwater and ephemeral streams, unless it can be proven that the negative economic impact on the public is less than the public benefits gained. (Note to selves: this points to the need for a study that quantifies the financial impact of lifting protections of headwater streams through sediment loads and other ways).
- The State of Tennessee should mandate TDEC to manage their fee and fine structure in such a way that pays for adequate enforcement of water quality laws to relieve the burden of the citizens of the state of the benefits that are currently going to developers.
- (Note – this could also be looked upon as regulatory)
- The State of Tennessee will manage its water resources in a way that continues to honor the multiple uses of its waters and will institute water conservation measures as necessary to continue to maintain that balance.
- In order to adequately enforce the stormwater siltation control and post-construction impacts, the State of Tennessee should require enforcement of state residential and commercial building codes, particularly stormwater regulations, and provide a funding or incentive mechanism for the inspection program operated by local governments.
- Support the Scenic Vistas Protection Act or other Anti-Mountaintop Removal Legislation

- Support requirement that all rock harvesting in the State of Tennessee must be permitted by TDEC.
- Cooperate in supporting a common environmental table at Legislature
- Work on development of legislative alerts for water issues

Regulatory

- Try for better environmental representation on regulatory Boards, including Water Quality Board
- Educate ourselves about and try to influence Water Quality Board
- Participate in semiannual citizen input day at Water Board

Local

- Familiarize ourselves with local municipality's stormwater programs and local codes

Network

- Tennessee Water Group, Tennessee Clean Water Network, Watershed Groups
- Participate in Legislative action alerts
- Participate in sharing environmental table at Legislative Plaza

SOLID WASTE & RECYCLING

- 1. Purpose statement of this committee: (PROVISIONAL & Subject to CHANGE)**
 - A. Analyze PENDING state solid waste regulations to develop specific recommendations for changes to the regulations or start the reform process over
 - B. Discuss SPECIFIC programs and institutions which local governments can target for waste reduction & diversion from the landfill
 - C. Discuss organizing for hearings and State Solid Waste Board hearings
- 2. Resources**
 - a. Identify Professional Speakers: A member of a State Board & water expert Mark Quarles
- 3. Identify existing area networks related to your issue with their website and contact information**
State Conference NAACP and several branches
- 4. Identify additional ways of networking to be developed**
What networking opportunities do you see for 2009? How can the network in your issue area be expanded?
 - 1. We need to reach effective water groups--solid waste is a groundwater issue because landfills leak.
 - 2. We should be working closer with groups dealing with methane gas (global warming) methane from landfills is a significant source of greenhouse gases.
 - 3. We are working in a field dominated by government agencies and hug corporations. **We need organizing help.** There are major state hearings approaching on how to allocate resources in an industry that spends \$300 million a year to landfill waste in Tennessee. This should be used as a raw material in business and to create jobs. We need help to generate calls, letters, and attendance at hearings--for local and state leaders--elected and unelected (Public Works officials)
- 5. Follow-up post Summit strategy**
Please indicate committee members interested in recruiting for 2009 events such as Regional Opportunity Forums.
 - Our real strength is that we have compelling and specific post-Summit activities such as State Solid Waste Board

- meetings, hearings on regulations, state legislative session, and particular programs for people to work with their local government (compost school food waste). BUT, while these things will be happening, we need people to work with this group and consider the scope of activity and depth of opportunity--we need some organizing workers and skills.

6. Identify a list of issues in your area, for instance mountain top removal or climate change.

- Tennessee is perpetually in top of per capita rankings in annual landfilling
- BEFORE pending regulations are passed, local governments, and citizens need specific road maps to show HOW [or that] schools, large generators of food and yard waste (such as supermarkets), and business parks will compost food and yard waste
- ALL WASTE must be inspected at either Transfer Station or landfill with specific standards and photographic review
- specific steps and programs to stop landfilling paper/cardboard (36% of waste AND concrete and rubble (1000, 000 tons in Nashville)
- specific research as delineated in SB 1779/HB 1345
- support restructuring TDEC Boards as provided by related legislation [all boards at large]
-

7. Identify opportunities and possible actions to address the list of issues in question

- hearings and meetings of the State Solid Waste Disposal Board--write and call
- state legislature
- local council, supervisors and public works officials for programs to be determined

BE PART OF THE PROCESS



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TENNESSEE
MANY VOICES, COMMON VISION

Join conservationists
from across our state.

Collaborate on a
sustainability agenda.

November 13-15, 2008
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WWW.SUSTAINABLETN.ORG

WORKING GROUPS // SESSION 5
– Friday, November 14 from 2:15 – 5:15 PM

SUSTAINABLE ENERGY

1. Purpose statement of this committee: To support a future of sustainable energy through energy efficiency, energy conservation and the increasing supply of renewable energy that replaces dirty and dangerous sources. To enhance personal and systematic energy sustainability by actions and policies that encourage reduction of energy usage to match clean sources that allow energy independence and a green economy.

2. Resources

a. Presentations by our committee: by those implementing sustainable or cool city models.

b. List websites that are related to your issue: www.svc.net, www.coolcities.us , www.sierraclub.org

3. Identify existing area networks related to your issue with their website and contact

Cool Cities, Tennessee Sierra Club, Solar Valley Coalition, US Green Building Council, Chattanooga Cool Cities, Knoxville Sustainable Building Council and Nashville Urban Design Center.

4. Identify additional ways of networking to be developed

- Cool Cities and Sustainable Cities in Tennessee
- Cumberland Region Tomorrow
- Tennessee Chapter and Memphis Chapter Chamber of Commerce
- State agencies such as Tennessee Departments of Transportation, Economic and Community Development, Environment and Conservation
- United States Green Building Council, Tennessee Chapters
- Individual members and companies

5. Follow-up post Summit strategy

1) Please identify a chair of your issue committee who will lead your committee post Summit:
Steven Sondheim

2) Please identify the members of your committee who will produce documentation of actions as they are completed and complete the report. Steven Sondheim, Louise Gorenflo, Brian Paddock

3) Please indicate committee members interested in recruiting for 2009 events such as Regional Opportunity Forums: Gene Hyde-Chattanooga, David Reister-Knoxville, Diane Perschbacher Phifer-Nashville, Steven Sondheim and Don Richardson-Memphis

6. Identify a list of issues in your area, for instance mountain top removal or climate change.

- a. Green business and mainstream business using processes for sustainable energy.
- b. Energy efficiency and conservation plus renewables.
- c. Over reliance on single family housing on large lots.
- d. Better TVA and State/Local energy policy.
- e. Reducing energy use in transportation sector by alternate transportation, reduction of Vehicle Miles Traveled, Closer Community resulting in lower energy and transportation cost per family.

7. Identify opportunities and possible actions to address the list of issues in question 10.

- Have new mechanisms and standards for development and adoption of new, more flexible
- and comprehensive plans, with supporting regulations and free market cooperation.

- More transportation choices such as mass transit and carpooling.
- Decrease energy and transportation cost per family
-
- **Create 1-3 measurable action items for the agenda items below (you may not have an item for each agenda item)**
- Individual actions selected from Michael Vandenberg's paper.
- Systemic actions as in sustainable cities, sustainable business
- Policy and advocacy actions as in regulations and legislation.

- **Education**

Higher: Sustainability and energy efficiency plus renewable sources

K-12: Sustainability curriculum

Public: Local Elected Officials, and economic development group as well as technical staff trained in sustainability and energy efficiency as well as new source energy expertise

MEDIA-public education on sustainability, energy efficiency and breaking of myths

- **Growing a New Economy**

Business: Pilot projects of sustainable energy. Foster relationship among non-profits, government agencies, green business and mainstream business. Align capital investments to implement comprehensive changes in energy efficiency.

Consumerism: Ride the bus to work or another destination (ground level). Ride bicycles to work or other destinations (ground level). Buy only houses or other buildings with Green Building Council standards (ground level).

Economics: Free market tools.

- **Government**

Legislative: building codes, transportation, and subdivision regulations to foster less energy usage and provide incentives.

Implement the Mayors' Climate Protection Agreement which requires a 12 % reduction in green house gases.

There should be connecting transportation with mass transit, carpooling and cars with one driver to improve choices.

Regulatory Departments such as Environment and Conservation elect sustainable energy ideas.

Follow Up: Ongoing Task Force (Solar Valley Network)to identify issues, goals, and actions and to conference call on follow the work on a regular basis.

- **Network**

Through the Task Force continue to build a network of folks and organizations interested in working on these various issue. Possibly form sub teams to work on specific issues.

Website: Promote social network tool that allow community members to participate in Energy Work

NATURAL INFRASTRUCTURE

1. Purpose statement of this committee:

Present the concept of Green Infrastructure and brainstorm ways and means of implementing the concept on all levels from local municipal to statewide.

2. Resources

List websites that are related to your issue

- www.greeninfrastructure.net/, www.sprawlwatch.org/greeninfrastructure.pdf,
- www.americanforests.org/resources/urbanforests/greeninf.php, www.dnrec.delaware.gov/GI
- www.gicinc.org/about.htm
 - a. Green infrastructure plan (see below)

3. Identify additional ways of networking to be developed

*Work through existing organization list serves and web sites to exchange information and collaborate.

4. Identify a list of issues in your area, for instance mountain top removal or climate change.

- Mountain top removal mining
- Rock harvesting
- Sprawl
- Ridge-top development
- Wilderness
- Wildlands preservation
- Water quality
- Transportation planning
- Renewable energy
- National Forest management
- National Park management

5. Choose priority issues based on importance and highest chance of measurable success (support from people, resources and greatest impact)

- Mountain top removal mining
- Rock Harvesting
- Transportation planning
- Wildlands preservation
- Water quality

6. Create 1-3 measurable action items for the agenda items below (you may not have an item for each agenda item).

- **Government**

Local: work with local planning commissions and county commissions to incorporate green infrastructure concept in land use planning

Regulatory: work with state agencies to draft and adopt programs and incentives to encourage implementation of green infrastructure concept at local and state levels

Model Principle #24
Conservation of Natural Areas

Principle #24 – Green Infrastructure

Green infrastructure is the physical environment within and between our cities, towns and villages. It is a network of multi-functional open spaces, including formal parks, gardens, woodlands, green corridors, waterways, street trees and open countryside. It comprises all environmental resources, and thus a green infrastructure approach also contributes towards sustainable resource management.

Objective of this Principle: To develop interconnected natural systems and ecological processes that provide clean water, clean air, ground water recharge, biodiversity and wildlife habitat. Green infrastructure naturally manages storm-water, reduces flooding risk and improves water quality. Green infrastructure usually costs less to install and maintain when compared to traditional forms of infrastructure. Green infrastructure sustains a community's social, economic, and environmental health.

•General Recommendations

•Develop a comprehensive land use plan which would include green infrastructure concepts through a public process. Experts in relevant disciplines, such as ecologists, soil scientists, community planners, aquatic biologists, should be enlisted to provide initial input.

Develop from the data inventory of the land use plan a green infrastructure plan that inventories green assets, such as natural areas, parks, forests, farms, streams or wetlands, and identifies opportunities for their protection and/or restoration through a coordinated strategy to channel development and redevelopment to the most appropriate locations.

•Specific Recommendations

•Step 1: Set Goals – What does the community and the state value?

- Forests for wildlife, timber, recreation, and carbon sequestration?
- Recharge areas to protect drinking water supplies?
- Wetlands to purify runoff and provide recreation?
- Conserving historic sites or landscapes?
- Protecting and promoting working farms?

Step 2: Data Review – What do we know and what do we need to know?

- Research existing studies – what are the findings and are they relevant? (e.g. watershed plans, wildlife plans, open space plans, ecological inventories, groundwater studies, air studies etc.)
- What data are needed? (If using Geographic Information Systems you may need digital layers – data arranged spatially that can be overlain and compared. Examples of data types include streams and watersheds, key agricultural soils, recreation routes, forested areas, wetlands, transportation corridors, topography, vegetation, etc.)

Step 3: Asset Mapping – Map the community's ecological, cultural and economic assets. What is mapped is based on goals established in Step 1. Following are examples.

- Large intact forests or native meadows
- Large farms and farm communities
- Streams, rivers, wetlands and groundwater recharge areas
- Recreational areas (fishing, boating, hiking, biking, birding)
- Historic and cultural features (battlefields, historic landscapes)
- In urban areas, street trees, tree canopy and local parks, streams.
- Storm-water drainage systems

Step 4: Risk Assessment – Find out what's at risk and what could be lost.

- Which areas are zoned for development and do they overlap key assets?
- Are there forests which have been fragmented by roads or subdivisions?
- Which streams are impaired (or might be in the future)?
- Where are new roads planned – do they fragment key assets?

Step 5: Opportunities – Based on assets and risks, assess what can or should be saved? What could be restored? What will be developed? Engage the community in ranking key areas of importance. Map these opportunities and draft strategies to conserve them.

- Where will future parks or recreational areas be located?
- Which forests can be conserved for forestry, recreation or wildlife habitats?
- Identify locations and routes for agritourism (local fruit, wines, honey, meat, vegetables, crafts).
- Identify areas where scenic views or routes for historic or cultural assets should be protected.
- Explore the extent to which current zoning adequately addresses land assets.
- Where should developments be located in the future?

Step 6: Include strategies in local plans for parks, zoning, comprehensive planning, tourism development or recreational strategies.

Green infrastructure plans can be fitted into existing city, county, and state planning efforts and can complement already-identified conservation goals. Following are several examples of how green infrastructure assessments may be utilized:

- Environmental chapters in comprehensive plans and/or to implement existing comp plan goals for resource assessments and conservation
- Park, open space and recreational planning or strategic land acquisition
- Strategies for determining where to zone land for conservation or growth
- Lands for purchase of development rights or transfer of development rights
- Heritage tourism strategies and viewshed protection
- Urban tree canopy surveys and management
- Transportation planning for roads and multi-modal planning
- Targeting land for conservation easement programs
- Protection of at risk or endangered species, such as the bald eagle and gray bat
- New ordinance or legislation development (stream buffers, water protection, historic landscape overlays)
- Rezoning decision basis either for upzoning or downzoning

HEALTHY COMMUNITIES

Purpose Statement: The Healthy Communities Subcommittee works to re-establish the connection between the natural landscape, a healthy environment, and an improved quality of life in Tennessee by placing a priority on human and ecological health, increased soil and water quality, reinforcing a physically healthy lifestyle, clean air, sustainable ecological diversity and healthy food and fiber production.

Action items:

1. Use fertilizers and chemicals wisely, use natural when possible and always dispose of properly.
2. Learn about recycling in your community.
3. If you are a land owner, look into leasing your land to new farmer projects, or putting a conservation easement on all, or part of your property.
4. Discover ways to support a better built environment in your city or neighborhood (LEED buildings, greenways, etc.)

Longer term/legislative actions

1. Encourage the framework to create a governor's Healthy Communities Task Force.
2. Encourage language to recognize sustainably farmed land as intentional development areas.
3. Pass an aggressive public transportation plan, and standards, for the entire state.

FOOD SECURITY

The following is a brief background and summary of the concept and issues of "food security" and reflects only a limited review of information available. "Food security" means many different things to many different people and what comes to mind when it is mentioned will vary depending on your age, race, gender, where and how you live, etc. The concepts and issues presented in this "agenda" are taken from a variety of sources and reflect the most common and current views of food security and its issues. The complexity of the issues facing of food security facing us in Tennessee require us to take a broader view and an open mind in order to develop a comprehensive, but flexible strategic plan that adequately address both short and longer term goals. This agenda is not meant to be a comprehensive treatment of the subject, but only a jumping off point for what we hope will be an enlightening and inspiring discussion of where we are as a state and where we can and should go from here to address the most pressing issues facing us in building healthy communities in Tennessee.

What is Food Security?

Community Food Security (CFS) is a condition in which all community residents obtain a safe, culturally appropriate, nutritionally sound diet through an economically and environmentally sustainable food system that promotes community self-reliance and social justice.¹

At a basic level, CFS is about making healthy food accessible to all. It focuses on bringing fresh, local food into low-income communities, thereby reducing hunger, and improving individual health. But, as the definition above suggests, it's about much more than that.

Community Food Security is about:

- Making nutritious and culturally appropriate food accessible, not just any food
- Supporting local, regional, family-scale, and sustainable food production building and revitalizing local communities and economies
- Providing fair wages and decent working conditions for farmers and food system workers promoting social justice and more equitable access to resources

QUALITY GROWTH

1. Purpose statement of this committee: To support future sustainable growth and development, livability, economic vitality and environmental quality of Tennessee with quality growth planning and sustainable design and development.

2. Resources

a. List websites that are related to your issue:

www.ecd.gov , www.cumberlandregiontomorrow.org

b. Other: Cumberland Region Tomorrow's Quality Growth Toolbox

3. Identify existing area networks related to your issue with their website and contact information:

American Planning Association, U.S. Green Building Council and Nashville Urban Design Center.

4. Identify additional ways of networking to be developed

What networking opportunities do you see for 2009? How can the network in your issue area be expanded?

- Cumberland Region Tomorrow and Other Smart Growth Groups
- Tennessee Chapter of the American Planning Association
- State agencies such as Tennessee Departments of Transportation, Economic and Community Development, Environment and Conservation, Agriculture, Forestry and Wildlife Resources
- American Institute of Architects Tennessee Society
- Tennessee Chapter of the American Society of Landscape Architects
- Tennessee Section Institute of Transportation Engineers
- University of Tennessee, College of Architecture and Design
- United States Green Building Council, Tennessee Chapters
- Nashville and Memphis Urban Land Institute District Councils
- Tennessee Urban Forestry Council
- American Forests and its CITYgreen GIS Application
- Cumberland River Compact's Building Outside the Box Program
- Regional watershed groups such as the Cumberland River Compact, Harpeth River Watershed Association and other groups
- Lipscomb University, Institute for Sustainable Practice
- University of Tennessee, University of Tennessee School of Architecture's Green Vision Studio
- University of Tennessee created the Institute for a Secure and Sustainable Environment
- Vanderbilt University's SustainVU Initiative
- Nashville Civic Design Center
- Qualified design and engineering firms
- Individual members and member companies of the professional groups and organizations lists

5. Follow-up post Summit strategy

1) Please identify a chair of your issue committee who will lead your committee post Summit:

David Bordenkircher

2) Please identify the members of your committee who will produce documentation of actions as they are completed and complete the report:

David Bordenkircher, Brian Phelps, Bridget Jones, Steven Sondheim

3) Please indicate committee members interested in recruiting for 2009 events such as Regional Opportunity Forums: Brian Phelps

6. Identify a list of issues in your area, for instance mountain top removal or climate change.

a. Greater and Inefficient land consumption.

- b. Inefficient use of existing infrastructure.
- c. Over reliance on single family housing on large lots.
- d. Affordable housing close to jobs.
- e. Minimal use of developed land and in-fill opportunities.
- f. Fewer transportation choices due to reliance on cars.
- g. Higher energy and transportation cost per family.

7. Identify opportunities and possible actions to address the list of issues in question 9.

Have new mechanisms and standards for development and adoption of new, more flexible and comprehensive plans, with supporting regulations and free market cooperation.

8. Choose priority issues based on importance and highest chance of measurable success (support from people, resources and greatest impact)

- a. More transportation choices such as mass transit and carpooling.
- b. Decrease energy and transportation cost per family

9. Create 1-3 measurable action items for the agenda items below (you may not have an item for each agenda item).

•Education

- Higher:** Improve planning programs in the universities.
- K-12:** Have neighborhood schools.
- Public:** Local Elected Officials, planning commissioners, and economic development group training

•Growing a New Economy

- Business:** Pilot projects of quality growth. Foster relationship among non-profits, government agencies, finance and construction companies. Align capital investments to implement comprehensive changes in livability.
- Consumerism:** Ride the bus to work or another destination (ground level). Ride bicycles to work or other destinations (ground level). Buy only houses or other buildings with Green Building Council standards (ground level).
- Economics:** Free market tools.

• Government

- Local:** Planning, zoning ordinances, building codes and subdivision regulations should change to reflect quality growth ideas. Implement the Mayors' Climate Protection Agreement which requires a 12 % reduction in green house gases. There should be connecting transportation with mass transit, carpooling and cars with one driver to improve choices.
- Regulatory:** Departments such as Environment and Conservation shall reflect quality growth ideas.
- Legislative:** Amend the Growth Plan Law to include our ideas and make it more difficult to expand the Urban Growth Areas.

• Network

- Events:** Attend city or county planning commission meeting and take notice of good and bad decisions (ground level). Look at planning commission agenda before it meets (ground level).
- Website:** Promote social network tool that allow community members to participate in Planning Decisions.

AGENDA GROUPS // SESSION 6
– Saturday, November 15 from 9:30 AM -12:30 PM

GROWING A NEW ECONOMY

1. Name of your committee: GROWING A NEW ECONOMY

2. Purpose statement:

The purpose of the Growing a New Economy Committee is to create achievable, measurable, trackable action items and agendas related to growing a new economy including business, consumerism and economics. To strengthen the existing networks related to sustainable business and consumer initiatives and create a task force to follow through with actions and agendas. To provide long-term education and awareness regarding these initiatives to the public.

3. Resources

a. Identify Professional Speakers for the Summit: Elizabeth Crook, Genma Holmes, Lee Loveless, Catherine Austin Fitts, Dan Joranko, Dexter Muller, Doug Campbell.

b. List websites that are related to your issue:

www.greenernashville.org , www.greenertn.org , www.solari.com , www.financialpermaculture.com ,
www.financialpermaculture.org, www.middletngreen.org,www.sustainability.lipscomb.edu , www.tectn.org,
www.gogreenet.com, www.business.gov/states/tennessee/,
www.usgreencommerce.org/States/tennessee.htm, www.teamgreenonline.com ,
www.organicconsumers.org/state/TN.cfm, www.businesstn.com, www.sustainabletn.com,
[www.tennessee.uscity.net/Go_Green /](http://www.tennessee.uscity.net/Go_Green/) , www.gengreenlife.com, www.greenpagetennessee.com,
www.nrdc.org/globalWarming/jobs/tennessee.pdf,
www.sustainlane.com/us-city-rankings/categories/green-economy,
www.greencollarblog.org/tennessee_green_jobs/,
www.events.greenjobsnow.com/greenforall/events/search/state/TN, www.greenforall.org,
www.bluegreenalliance.org, www.innovatingnetworks.net, www.greenjobsforamerica.org,
www.tva.gov/greenpowerswitch/

c. Other

4. Identify existing area networks related to your issue with their website and contact information

Same as above

5. Identify additional ways of networking to be developed

What networking opportunities do you see for 2009? How can the network in your issue area be expanded?

One of the main action items that our committee has agreed on is to put a lot of emphasis on follow-up and the establishment of a stronger network. We want people to meet monthly, to use the new forum on the website and to contribute stories, ideas and action to these efforts. We'd like more feedback about existing sustainable business patterns and intend to ask our established network to identify sustainable programs in their work place or community.

***6. Identify a list of issues in your area, for instance mountain top removal or climate change.**

Overconsumption, USA trashcan footprint, lifestyle pollution, throw-away society, quantity over quality, lack of education, lack of government support behind sustainable products, access to renewables, affordability

of renewables, lack of money being placed into new technologies, old business paradigm, (too much focus on clean-up, recycling and best practices for incineration, landfills and point of source pollution and less focus on fixing the core problems that cause waste and pollution), corporate greed and corruption, environmental racism, loss of jobs, inflation, global economic crisis, falling dollar, loss of small businesses, loss of local tradesman and farmers, money leaving communities through big box stores, credit card debt, peak oil, peak everything, housing crisis, the bail out, fragmentation of needs, poverty, youth leaving communities, lack of incentive, cheap foreign labor, lack of true social and environmental cost reflected in marketplace, lack of personal and local investments, and overall discontentment and dissatisfaction that is fed via TV/Media to the American people.

7. Identify opportunities and possible actions to address the list of issues in question See below. Here are action items that are provided from the Green Living Journal:

Business

1. Turn the lights off when you're not in the office
2. Unplug appliances, especially those with indicator lights or DC adaptors, when not in use
3. Switch your incandescent light bulbs to compact fluorescent
4. Buy Energy Star® appliances
5. Cut down the use of electric gadgets when non-electrics are available
6. Turn off your computer or put it in sleep mode when you're not using it
7. Make sure your place of work also turns off the computers, lights and display lighting after hours
8. Use rechargeable batteries
9. Use non-electric phones
10. Ask your employers to keep the office around 70 degrees in the summer and 68 or lower in the winter. Ask them if you can dress according to those temperatures. Wear less ties and coats in the summer and more in the winter
11. Recycle paper, plastic, cardboard, metal, etc.
12. Print on both sides of paper
13. Keep one-sided scrap paper for quick informal printing
14. Print with low quality unless formal setting needed
15. Use recycled paper
16. Print less, especially in color
17. Recycle or refill your print cartridges
18. Get taken off junk mail and consider getting fewer glossy subscriptions
19. Buy products that have less packaging
20. Buy products that are green, appropriate and made of non-toxic materials
21. Support businesses that take ecological and social costs into account when pricing their products and services
22. Support businesses that support the environment, purchase green energy, limit their pollution or incorporate their residual waste into production
23. Support businesses that participate in pollution credits or pollution tax programs
24. Avoid products made out of petroleum and metal
25. If you want petroleum-based or metal products buy them second-hand
26. Say no to plastic shopping bags - use cloth bags or boxes
27. Try to avoid paper or plastic dishes at work, unless you plan to reuse or recycle them
28. Get your business to buy a hybrid car fleet or other alternatively fueled vehicles. Have your business encourage car pooling and use mass transit and public transportation whenever possible
29. Let your state know that you want more trains, buses and bike/pedestrian paths
30. Travel less - bike and walk more
31. Work closer to home or work at home
32. When you do travel go on airlines that are conscious about energy conservation, that have direct routes and that recycle
33. Keep your tires inflated properly
34. Use the air conditioner in your automobile less

- 35. Conduct a energy, waste or sustainability audit for your business
- 36. Have your business join the Tennessee Pollution Prevention Partnership
- 37. Get your business to purchase TVA Green Power Credits
- 38. Get your business listed on greenernrn.org and other green business directories
- 39. Designate at least one staff person as your businesses environmental coordinator/director

• **Consumerism**

- 1. Place refrigerators and freezers in cool shaded areas of the home
- 2. Soak and pressure cook beans and grains to cut down on cook time, especially if you have an electric-cook stove
- 3. Watch less TV, play less video games, surf the internet less - go do stuff outside, get creative - read a book, be an artist, have a picnic . . .
- 4. Get a free home energy audit
- 5. Install triple-paned windows and use weather-stripping and caulk
- 6. Make sure your house is well insulated and when insulating choose green insulation such as cellulose, cotton, recycled denim, soybean or straw
- 7. Build your home naturally and use passive solar heating and cooling, as well as natural lighting
- 8. Plant trees on the Southeast and Southwest corners of your home to add shade during the summer and reduce wind-chill in the winter
- 9. Don't stand with the door open in winter. Consider building closed-in entry rooms/foyers that trap heat and cold between two doors instead of letting it into the house
- 10. Use arbors and trellises to shade your home in the summer to cut back the need for air conditioning
- 11. In the summer open windows at night and close all windows on the southern side of the house during the day. Use fans to draw cool air from the shaded side of the house and pull the air through the house with other fans strategically placed to transfer air out of the house
- 12. If you must use air-conditioning turn it off when you're not at home, and set it to 74 degrees
- 13. Make sure that the air conditioner is off during the night at your place of work and tell management to keep the air conditioner off when you are gone from your hotel room
- 14. Use solar, wood, pellet, or biomass heaters and cook stoves if possible
- 15. Wear more layers in the winter so you can stay warm
- 16. Place thermal mass around your wood stove to retain heat
- 17. Have wood stoves in the center of the house instead of outdoor chimneys
- 18. Consider placing radiant heat under your floor
- 19. Paint your walls with appropriate color according to whether you want more heat or cooling in the room
- 20. Have thermal mass or water features in your house or greenhouse to absorb heat and cold
- 21. Don't waste water
- 22. Brush your teeth with the water off
- 23. Don't take excessively long showers
- 24. Try not to shower more than once a day
- 25. Wrap your batch hot water heater or install on-demand water heaters
- 26. Install a solar and/or wood fired hot water heater
- 27. Install solar panels, wind generator, and geothermal or hydro electric features on your home
- 28. Buy or sell green energy credits from or to your electric cooperative
- 29. Catch rainwater in barrels or cisterns
- 30. Use rainwater for outdoor landscaping, gardening or to flush toilets or wash clothes
- 31. Use cold water to wash clothes
- 32. Dry clothes on a line or an indoor rack
- 33. Install greywater features to filter water from your sinks, showers, and laundry
- 34. Use only biodegradable non-toxic and non-bleach products in your sinks, showers and laundry
- 35. Try to wash dishes by hand
- 36. If you use a dishwasher then be sure to let the dishes dry naturally or dry them by hand
- 37. Consider building worm boxes for water filtration
- 38. Purchase or build composting toilets

39. Compost all kitchen and yard waste for your garden or for local farmers
40. Use recycled, natural or salvaged materials in building your home, office or when landscaping
41. Buy products produced and distributed locally, within 90 miles
42. Support your local farmers and artisans
43. Buy products that have less packaging
44. Buy products that are green, appropriate and made of non-toxic materials
45. Support businesses that take ecological and social costs into account when pricing their products and services
46. Support businesses that support the environment, purchase green energy, limit their pollution or incorporate their residual waste into production
47. Support businesses that participate in pollution credits or pollution tax programs
- 48. Avoid products made out of petroleum and metal
49. If you want petroleum-based or metal products buy them second-hand
50. Say no to plastic shopping bags - use cloth bags or boxes
51. Shop at businesses that carry local products
52. Buy items that are practical not just decorative
53. Buy organic food
54. Learn to garden and build an artsy greenhouse or cold frames with salvaged windows
55. Avoid chemical fertilizers and pesticides
56. Plant trees
57. Support farmers who practice sustainable agriculture
58. Buy herbs and supplements over pharmaceuticals if possible
59. Eat less meat. 1 hamburger = 2 pounds of carbon in the atmosphere
60. If you do need to eat meat make sure it's free range, organic and local
61. Say no to getting food from 1000 miles away
62. Say no to mass production - say yes to quality over quantity
63. Eat local foods in season
64. Don't use throw away products - buy items intended to last
65. Try to avoid paper or plastic dishes at parties, unless you plan to reuse or recycle them
66. When throwing a party, think green, simple elegance, less is more
67. When gift giving or receiving ask for less and go with handmade, natural or secondhand items
68. Be creative with reusing wrapping paper, brown paper bags or newspaper/magazines.
- 69. Ask for secondhand clothes - vintage is cool
70. If you want pets - adopt
71. Feed your pets natural food
72. If you have livestock don't overgraze them - keep the numbers relative to the land
73. Don't buy pets or tropical plants taken from outside of this country
74. Buy a hybrid car
75. Buy a diesel car and run it on biodiesel or convert it to run on straight vegetable oil or better yet – filtered waste vegetable oil
76. Tell automakers that you want a flex-fuel (ethanol or biodiesel) hybrid plug-in electric - that you can plug in at home and recharge with solar panels and green power credits
77. Car pool and use mass transit and public transportation whenever possible
78. Let your state know that you want more trains, buses and bike/pedestrian paths
79. Travel less - bike and walk more
80. Work closer to home or work at home
81. When you do travel go on airlines that are conscious about energy conservation, that have direct routes and that recycle
82. Keep your tires inflated properly
83. Use the air conditioner in your automobile less
84. Encourage your community to be more pedestrian friendly - more like a small village where you can walk to the bakers, the grocery store, and the café
85. Encourage local small business development
86. Encourage local cooperative development, especially small green energy cooperatives or any coop-

erative that meets peoples basic needs for food, water, power, healthcare, etc. locally

87. Opt to buy into community owned goods such as tractors, mowers, larger power tools, etc, items that one person may use infrequently

88. Don't stand at the refrigerator with the door open and don't put hot items in the refrigerator or freezer. Let them cool to room temperature first

89. Calculate your carbon footprint and offset your emissions by donating to organizations who either plant trees, protect the environment or develop appropriate technologies

90. Be grateful and content with what you have, be happy, feel true wealth, cultivate compassion and love

Economy

1. Join your local chamber of commerce
2. Invest your money in local banks
3. Invest in your family, friends, local entrepreneurs, investment circles, local resources
4. Learn about regional and complimentary currencies
5. Learn about the Transition Town and Relocalization Movements
6. Join the Green For All campaign
7. Open a small business
8. Start a venture fund for the development of green businesses
9. Start a green business incubator in each county
10. Collaborate
11. Look for opportunities to cycle waste back into productivity
12. Start a community economic development-planning group
13. Attend an economic development conference and report back to community and business
14. Attend local business fairs
15. Support business internships and apprenticeships that attract youth into your community

NETWORKING

Purpose statement of this committee:

The purpose of the Networking Committee is to create achievable, measurable, trackable action items and agendas related to establishing a network for the Summit, related to: Regional Event Forums, Web Forum, Follow-up Forum. To strengthen the existing networks related to working, issue and agenda groups and create a task force to follow through with agreed upon actions and agendas. To establish a statewide initiative to engage local governments and citizen action. To provide long-term education and awareness regarding these initiatives to the public.

Create action and agenda items related to:

Follow-up Forums

Regional Event Forums

Web Forums

Regional Development (Local Government)

What networking opportunities do you see for 2009? How can the network in your issue area be expanded?

See flow charts below.

Follow-up Forum:

During the November Summit, all of the break out groups will be recording and reporting. The chair of each group will be in charge of reporting in 2009. A main goal of the 2008 Summit is the creation of action items. Summit attendees will be asked to sign a pledge to complete action items throughout 2009.

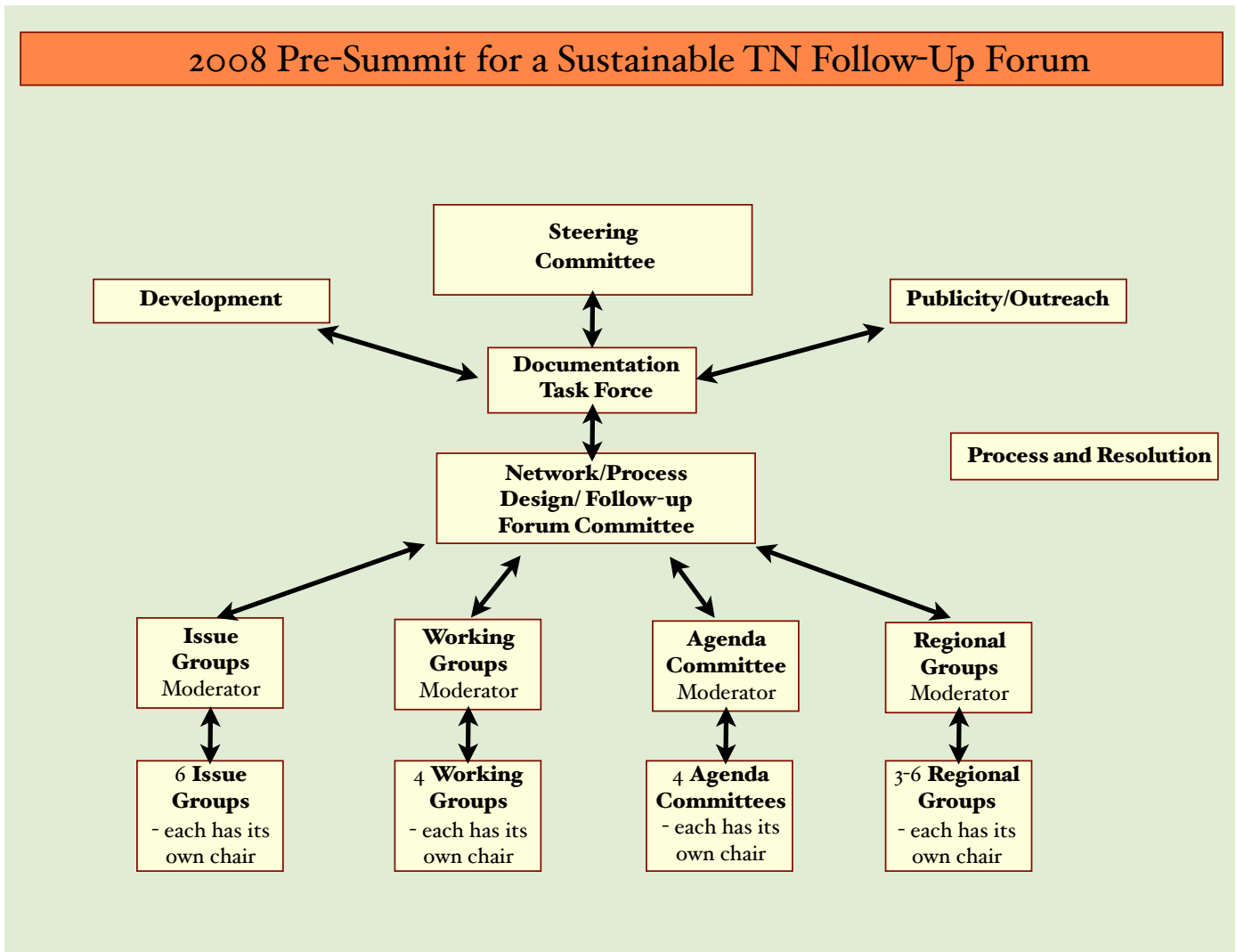
1. At the Summit: Identify 'ground level' action items that can be completed by all Summit attendees. These action items need to be SMART: Specific, Measurable, Achievable, Realistic, Time-bound. A SMART action item example: (please phrase your actions in this SMART way)" I Pledge to change 5 of my light bulbs to compact fluorescent bulbs and to get 5 other people to do the same. I will complete this action within the next 3 months and report back to the web forum when completed.

2. At the Summit identify '30,000 foot' action items that can be completed within a post summit task force/working group.

The sheer fact that we're putting this together is probably as much as we need to do for a large action item - so what we need to do is tweak the idea we have so it will work effectively. The leadership for this action item will need to come from within the core committee/task force. Thus it is important to recruit new people to join the effort.

3. Create the PLEDGE for Summit attendees to sign.

4. Be certain that each group has a chair that is willing to maintain quarterly reporting and the call to action



phone tree.

Regional Event Forum

One of the goals of the *Summit* is to establish a process for sharing expertise and experience from across a range of industries, perspectives and disciplines. *Summit* attendees will examine new mechanisms for combining resources at the community level with those of organizations and agencies operating statewide or at a national level.

Summit organizers are proposing a series of regional sustainability forums to take place in key cities across the state throughout 2009. The first such regional forum was scheduled for January 24, 2008 in Knoxville in collaboration with the Environmental Leadership Program's Southeast Environmental Network (SERN). Other forums occurred in 2008 in Chattanooga and Memphis. We will continue building Regional Opportunity Forums in 2009.

A top goal of the regional forums is to demonstrate best practices in both the public and private sector, while showcasing some of Tennessee's most innovative programs and business models. These models will be examined and discussed alongside other exciting examples from corporations, institutions and communities in other states.

Web Forum

Early in 2008, the LEDGE Initiative received a grant to create a statewide website for green development. This website will be used for the Summit's web forum. The web forum will be explained at the Summit.

Regional Development:

Purpose statement:

To document a list of existing information-sharing networks among cities and county governments on topics identified as sustainability-related in Tennessee. We'll do so in order to initiate a more comprehensive network association of these municipalities to increase communication of mutual interests and over the next year, develop a minimum consensus of "top local government concerns" to generate a first draft for face-to-face discussion at the 2009 Summit for a Sustainable Tennessee.

What networking opportunities do you see for 2009? How can the network in your issue area be expanded?

Local Governments are currently not served by a predominant or even multiple second-tier network.

Starting from scratch at this 2008 Summit, this agenda unit hopes to generate the beginning discussion among attendees to reach out to the 95 counties and even more cities across Tennessee to determine their sustainability readiness and topics to be included in 2009 Summit to establish the first general statewide municipal consensus on sustainability.

Identify a list of issues in your area, for instance mountain top removal or climate change.

Municipal sustainability initiatives (Green Chattanooga, Sustainable Shelby, etc.)

Cool Cities/Cool Counties, Solar City adoption (Knoxville, Cookeville, etc); Stormwater Network (cities, counties and regions); Urban Forestry (cities, counties and regions); MTAS/CTAS – (Municipality/County Technical Assistance Service); Tennessee Municipal League membership
Active MPO/RPO (Metro/Rural Planning Organizations) activities

More added every week

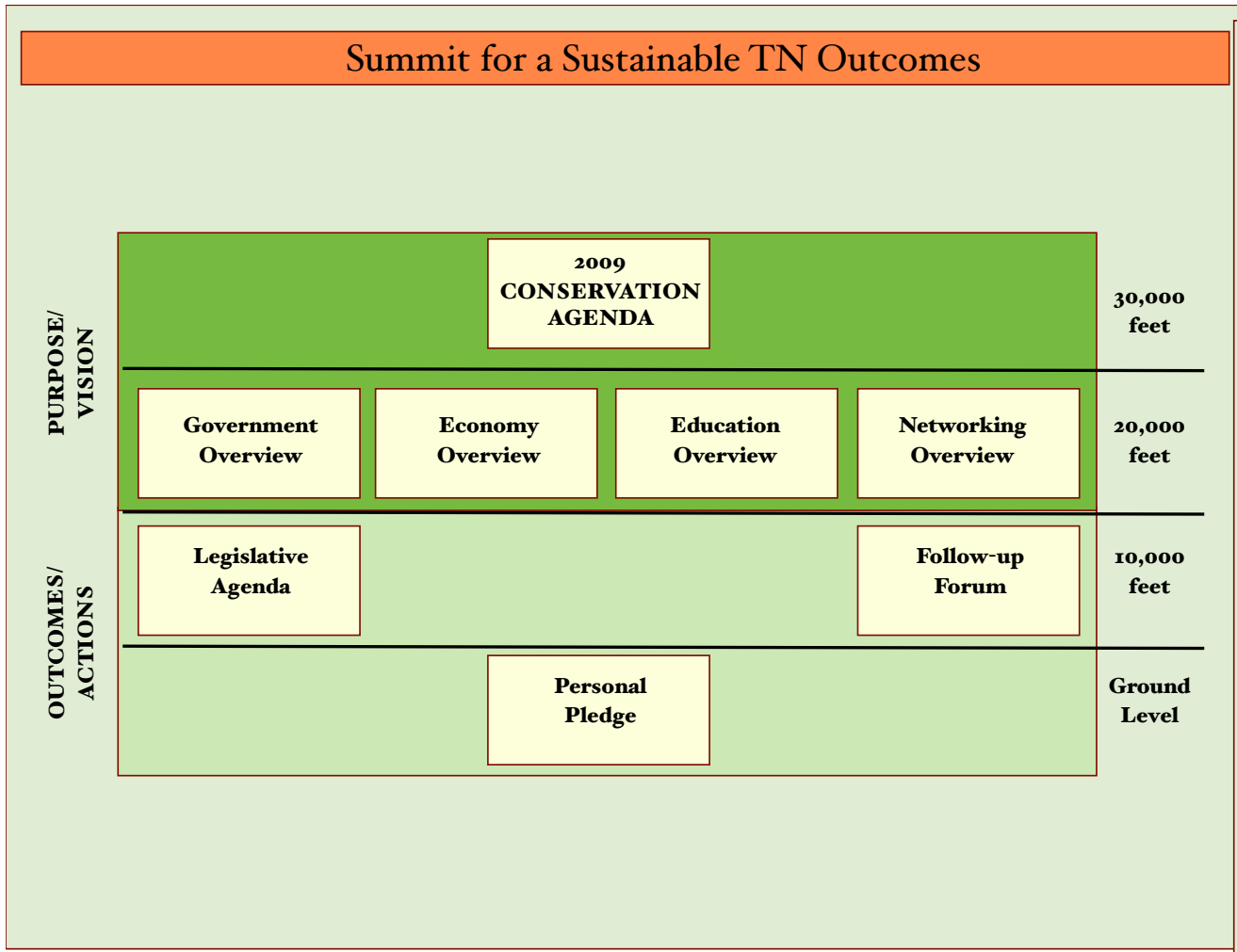
Identify opportunities and possible actions to address your list of issues.

- Through the Networking Committee outreach to statewide cities and counties to promote participation in ROF's, publicity among existing networks to promote sustainability focus,

- Ongoing addition of networks among cities and counties that support sustainability-related issues and concerns.

Choose priority issues based on importance and highest chance of measurable success (support from people, resources and greatest impact)

Implementation of SST's 3-year Networking Plan.



The above chart identifies the primary outcomes that we can expect from the Summit. The Follow-up Forum contains all of the issue and working groups, the web forum, the regional opportunity event forums and the regional development.

EDUCATION

Purpose statement: To develop a coordinated and comprehensive statewide plan to educate Tennesseans of all ages about the importance of interactions with and conservation of the natural world, the impact of humans on natural systems, and the individual actions and choices necessary for a sustainable future.

Websites: www.eeintennessee.org <http://www.childrenandnature.org/> <http://naaee.org/>
www.tennesseeegreen.com , www.theclimateproject.org , www.tp3.org , www.kilowattours.org ,
www.energystar.gov

Existing Area Networks: Tennessee Environmental Education Association (TEEA) Coalition for NCLI, The Climate Project Interfaith Power and Light, National Wildlife Federation, Alliance for the Cumberlands, Greening Greater Memphis, Greener Nashville, Middle TN Green, and others.

Additional ways of networking to be developed: TEEA has initiated a working group to create a state wide “No Child Left Inside” campaign, follow up on Environmentally Literate Tennessean project, and others.

GOVERNMENT

CORE ISSUES

Water

Water quality degradation

Two independent analysis: Enforcement funding at the state level (TDEC), cost of TDEC’s lack of permit enforcement (analysis of fee structure) and cost of not regulating head water streams

Energy

1. Support recommendations of Governor’s Energy Task Force (to be received in January ’09)
2. Focus on building energy efficiency – modernize TN building codes - cover both residential and commercial buildings; going to 2006 international code or better; Enforce energy building codes in every jurisdiction with adequate training of code inspectors.

3. Transportation

Prepare and support legislation to reduce vehicle fuel consumption + increase mobility options

Air

TDEC recommend specific actions

Do not issue industrial construction permits

ACB be expanded to have reps from Air

PCB statewide banning on burning

Enforcement of 55 mph of truck speed limit in non-attainment areas

Solid Waste

Ground water pollution through landfills

Environmental injustice in TDEC

Evaluate resources and need for communities which may suffer extreme health stress due to environmental pollution

Forestry, Land, Agriculture

Re-instate land acquisition funds
Conserve farm land (A)
Procure local food
Quality growth/smart growth
Legislation for mountain top removal
Land conservation to conserve water supplies
Urban growth boundaries
Natural treasures
Direct roads
Creation of National Parks
BMP in forestry and urban forestry

DRAFT LEGISLATIVE AGENDA

ENERGY

The Summit supports the legislative recommendations of the Governor's Energy Policy Taskforce.
The Summit supports legislation that will modernize the TN Energy Building Codes to cover both residential and commercial buildings; adoption of the 2006 International Building Code or better; adoption and enforcement of state building codes in all jurisdictions (city and county) with adequate funding, staffing and training.
The Summit supports legislation that will reduce vehicle fuel consumption and increase mobility options.

WATER

The State of Tennessee must defend the protection of headwater and ephemeral streams, unless it can be proven that the negative economic impact on the public is less than the public benefits gained. (Note to selves: this points to the need for a study that quantifies the financial impact of lifting protections of headwater streams through sediment loads and other ways).

The State of Tennessee should mandate TDEC to manage their fee and fine structure in such a way that pays for adequate enforcement of water quality laws to relieve the burden of the citizens of the state of the benefits that are currently going to developers.

The State of Tennessee will manage its water resources in a way that continues to honor the multiple uses of its waters and will institute water conservation measures as necessary to continue to maintain that balance.

In order to adequately enforce the stormwater siltation control and post-construction impacts, the State of Tennessee should require enforcement of state residential and commercial building codes, particularly stormwater regulations, and provide a funding or incentive mechanism for the inspection program operated by local governments.

Scenic Vista Protection Act

All rock harvesting in the State of Tennessee must be permitted by TDEC.

AIR

The State of Tennessee should require:
that TDEC, at least once a year, recommend to the APCB specific initiatives that should be considered for action by the APCB.

that industrial construction permits not be issued to companies which have continuing records of permit violations.

That the APCB should include a representative from the State Health Dept. and that additional representatives be named from Citizen Environmental groups.

That the APCB implement a statewide ban on open burning, preventing the clearing of land for development by burning. This would include TDOT and other state entities.

That the State Highway patrol enforce the 55 mph truck speed limit enacted in non-attainment areas.

That the state legislature issue a resolution requiring TVA implement the required pollution controls to reduce emissions.

AGRICULTURE

Establish economic development policies that are designed to preserve farmland, working farms, and open spaces.

FORESTRY

1. BMPs for urban forestry in new and existing development.
2. Incentivize sustainable working forestland retention.
3. Support for National Cap and trade legislation thru state carbon registry for forestland owners

LAND

1. Restore the Real Estate Transfer Tax in 2009 to acquire land for wildlife, state and local parks and cleaner water through acquisition of wetlands, stream buffers and headland streams. This is critical to preserving the beauty of our homeland at a time when it is imperiled due to population growth and sprawl.
2. Create a sustainable green infrastructure for Tennessee for recreation, to conserve working farms and forests, wildlife habitat, river corridors for water quality and quantity, and to direct growth to less environmentally-critical lands.
3. Double the size of State Parks to conserve for public enjoyment and for our economy – the best Tennessee has to offer.

Planning

Quality/Smart Growth practices to include local, regional and statewide planning. Water and forestry resources to consider and protect; implement urban forestry practices; direct roads; non duplication of services related to population.

SOLID WASTE & RECYCLING

Due to the fact Tennessean's are among the top generators in solid waste per capita annually and there is a lack of specific information on Tennessee's waste stream, we urge the General Assembly to:

- 1) Fund and identify funding (from business, foundations, government agencies and other entities) for TSU and MTSU to research the following:
 - a) diversion of Class IV (construction/demolition) landfill waste,
 - b) solid waste reduction, reuse and recycling (i.e. raw materials, compost etc.)
 - c) how to divert waste from transfer stations and landfills and 4) how to remediate groundwater pollution at landfills.
 - d) municipal and institutional composting
- 2) Direct TDEC to incorporate the above best practices into regulations required by SB 2267/HB 2289 [year 2007].