

PART 3: FOREST RESOURCE STRATEGY

A. Introduction

The Food, Conservation, and Energy Act of 2008 requires that all states evaluate their forest resources, identify any areas or regions of the state that are a priority, develop strategies for addressing forestland issues, and include a description of resources needed to implement the strategy. Part 1 of this document evaluated the forest resources according to the five most important forestland issues and Part 2 identified seven forest priority areas in Kentucky. This third part of the *Kentucky Statewide Assessment of Forest Resources* proposes a strategy to address threats to the forest resources in Kentucky.

The Forest Resource Strategy provides an outline for investing state, federal, and additional resources to address the issues of importance to Kentucky's forests, as addressed in the Assessment. These issues incorporated the national themes of conserving working forest lands, protecting forests from harm, and enhancing public benefits from trees and forests. By using an issue-based approach to the Forest Resource Strategy, federal investment can be focused to most effectively stimulate or leverage desired action and engage multiple partners. The strategy also incorporates existing statewide forest and resource management plans and provides the basis for future program, agency, and partner coordination to address forest resource concerns and issues within Kentucky.

The strategy is organized according to the top five forest issues identified in the Assessment. For each issue, a general textual overview of the strategy elements is provided with a detailed list of the goals, objectives, and tactics provided in the associated strategy tables. The "goals" convey the broad outcomes desired as a result of the strategy; the "objectives" are measurable methods used to achieve the goals. For each objective, performance measures define how progress toward the goal may be measured. The "tactics" are the tools that are to be used to achieve the objectives. For each tactic, the primary and secondary programs and agencies responsible, necessary resources, time period for implementation, and the national priorities involved are detailed. The text provides an overview of the goals of the forest resource strategy for each issue with the specific detail listed in the tables at the end of this section. Using this format, Kentucky's forest strategy provides a clear plan for forestry activities over the next five years and beyond.

The strategy was developed by focusing on the elements necessary to address the national themes of conserve, protect, and enhance. The current status of resources, including staffing amongst primary agencies and partners and funding, was not considered as the strategy was developed. The resources required to complete the strategy objectives could be of many different types including personnel, funding, materials, collaboration, memoranda of agreement, memoranda of understanding, public relations, or other types of resources. The sources of these resources may be state funding, federal funding, non-government organizations, partner collaboration, or other sources. In many cases, the tactics identified in this Forest Resource Strategy are either unfunded or under-funded. For each tactic, the resource types and sources are identified to the greatest extent practicable.

Some of the threats and opportunities addressed in the Forest Resource Strategy could be addressed under multiple issues. For instance, proper trail design and maintenance could be addressed as part of the forest health issue or the forest management issue. In order to avoid repetition of strategies under multiple headings, if a threat or opportunity is fully addressed under one issue, it is not addressed in an overlapping issue unless necessary.

B. Issue 1: Forest Health Strategy

The numerous benefits and uses provided by Kentucky's forests are threatened by many direct and indirect pressures as summarized in Part 1 of this assessment. Forest loss due to conversion is the most direct threat to forest health. Numerous invasive pests and diseases, including Emerald Ash Borer and Hemlock Woolly Adelgid, threaten to cause significant destruction without increased monitoring and management. Improper trail use, design, and management can further the spread of invasives as well as cause soil erosion and other damage to forests. The highest rate of human-caused wildfires in the South threatens Kentucky's forests and communities. These are just a few of the threats facing the health of Kentucky's forests. Effective management strategies are necessary to make the public aware of the significance of such threats and to keep forests healthy.

The forest health strategy seeks to identify the goals, objectives, and tactics associated with surveying, managing, and restoring forest health in Kentucky. Public awareness and education on these issues is also vital to the success of this strategy. Nine goals, listed below, have been devised to address the threats to Kentucky's forest health. The specific objectives, performance measures, and tactics associated with each of these goals are listed in the tables at the end of this section.

1. Reduce the spread of invasive plants, insects, and diseases through improved monitoring, management, and education.
2. Decrease the impacts on forests due to improper trail use, management, and design.
3. Utilize trees to decrease air pollution in urban areas.
4. Conduct research to improve forest health management techniques and further assess the health of Kentucky's forests.
5. Promote reforestation opportunities on post-mining land.
6. Enhance comprehensive wildfire prevention programs in Kentucky to reduce the number of human-caused wildfires in Kentucky.
7. Provide leadership, support, and coordination for educating the public about wildfires in Kentucky.
8. Enhance and improve wildfire law enforcement programs.
9. Maintain and enhance the statewide system of forest fire protection and suppression as required by KRS 149.520.

To reduce the impact and spread of the many forest pests and diseases, an educational component encompassing more extensive training for forestry staff and other resources managers as well as general public education are important. The strategy also develops a comprehensive monitoring, tracking, mapping, and threat classification database. The development of this database will allow landowners and resource managers to identify the greatest threats in their area and implement proper planning and treatment techniques. Since some invasives are still sold by garden shops and others are transported through firewood or improper equipment decontamination techniques, efforts to suppress the spread of these pests will focus on such actions. To encourage the effort toward suppression, cost-share opportunities for those engaging in control techniques will continue to be offered while searching for additional programs by which to extend such opportunities. Finally, the problem of pests and diseases will be addressed through a comprehensive forest health plan.

With the increased emphasis on recreational trail use, the forest health strategy also focuses on the proper management, design, and planning for these trails such that impacts to the forest will be limited. Tactics such as training trail enforcement officers on forest health monitoring and distributing trail educational

materials should aid in minimizing the effects of trail impacts while encouraging the use of the forest resources.

Reforestation and afforestation in urban and post-mining areas provide opportunities to extend ecosystem services to previously impacted areas. Increasing the urban tree canopy coverage through tree planting will provide important air quality benefits along with the monetary incentives associated with the developing carbon market. Likewise, reclamation of previously mined land to forested land use provides an opportunity to restore the American chestnut and renews the timber resources, wildlife habitat, and aesthetic appeal of the land.

As Kentucky needs further research on many forest health issues, scientific research and funding of this research is a major component of the strategy. Prescribed fire use and forest stand age are among many topics that will require further research to properly manage.

Four of the forest health goals focus on wildfire prevention, education, and enforcement. In order to reduce the high rate of arson, a law enforcement unit is necessary within the KDF. Increased arson investigation and courtroom training is necessary as well as a strong media campaign using all available mediums. To address the high-risk areas for wildfire damage, tactics will focus on establishing or improving fire prevention plans for communities and providing materials to fight fires. Education on the scope of the damages caused by wildfires is proposed to reduce the needless impacts to our valuable forest resources. An overall fire suppression plan with improved equipment and staffing is needed to continue to suppress the high number of fires in the state.

The specific objectives, tactics, and the associated responsible parties for the forest health strategy are listed in the tables at the end of the strategy section.

C. Issue 2: Water Quality and Quantity Strategy

Forest resources play a key role in improving water quality and stabilizing the water quantity in Kentucky. With 62% of the rivers and streams and 42% of the lakes, ponds, and reservoirs of Kentucky showing some sort of water quality impairment, there are numerous areas in which additional forest resources could improve the water quality of the Commonwealth. Forested riparian areas, forested wetlands, and large forest blocks provide the greatest opportunities to improve water quality, but every individual tree, particularly in urban settings, can provide important benefits to water quantity and quality benefits.

Five goals have been devised in order to capitalize on opportunities and combat the threats associated with the effects of forests on Kentucky's water resources:

1. Ensure timber harvest operations employ measures to maximize water quality protection.
2. Improve Kentucky water quality through the protection, enhancement, and restoration of forested riparian areas.
3. Reduce rate of variation in stream flow and volume with forestry practices.
4. Improve Kentucky water quality through the protection, enhancement, and creation of forested wetlands.
5. Increase the public awareness of the relationship between forestland use and water quality and quantity.

Proper timber harvest practices are important to limit the impairment caused to waterbodies when harvesting does occur. Under the Kentucky Forest Conservation Act of 1998, the KDF is required to inspect timber harvesting operators for the appropriate use of BMPs. Because proper implementation rates are lower than desired, increased funding and staff will be necessary to increase the rate of inspection, increase logger education, and pursue enforcement actions.

Increasing the riparian forest resources of Kentucky will be a key part of the strategy to improve water quality through forested resources. Assessing the current width of the riparian areas against the ideal width based on the water use should aid in targeting funding to areas in greatest need of improvement. Particularly in urban areas, improvements in the riparian zone may greatly reduce the effects of stormwater runoff by slowing the water velocity and filtering pollutants.

Because forest loss and conversion are the greatest causes of stream flow and volume variations, efforts to stabilize the water quantity will focus on minimizing loss and increasing forested area through reforestation and afforestation.

Primarily in the Big Rivers Forest Priority Area but also in other areas, water quality may be improved through the increase in the forested wetland acreage. The strategy involves efforts to support the creation, restoration, enhancement, or protection of wetlands.

The last element of the water quality and quantity strategy focuses on education. Since many landowners, managers, and planners are unaware of the relationship between forests and water, public education should further the awareness of the need and the benefit of forest resources.

The specific objectives, tactics, and the associated responsible parties for the water quality and quantity strategy are listed in the tables at the end of the strategy section.

D. Issue 3: Forest Fragmentation and Loss Strategy

As the greatest forest health threat, addressing forest loss is important to protecting the resources of the Commonwealth. Considering that only 28% of the forest resources are large interior forest blocks, strategies must also focus on preventing further fragmentation of the remaining Kentucky forest resources. In order to curtail fragmentation and loss in Kentucky, seven goals have been developed. These goals address the major causes of forest loss, including conversion to urban, agricultural, and mining as well as the process of fragmentation.

1. Reduce or minimize the impact of forest loss from urban development.
2. Enhance and protect existing forested areas in the urban landscape.
3. Increase acres of traditional forests in urban areas.
4. Increase forest cover on mined land.
5. Reduce or minimize the impact of forest loss and fragmentation due to agricultural conversion.
6. Increase acres of protected forestlands.
7. Protect or minimize the impact of fragmentation on large forest blocks.

Since urban development continues to expand along with population growth, three of the goals in this strategy are focused on urban loss and fragmentation. Particularly in wildland-urban interface and intermix areas, planning should incorporate the forest resources and the benefits they provide through forest canopy assessments and the use of LiDAR (Light Detection and Ranging) technology for measuring canopy

structure. Many urban areas would benefit from inventories of existing resources and improved management. Increasing the number of trees in urban areas through planting will also be an important goal.

Much of mined land is forested prior to the removal of mineral resources. Subsequently, a key goal is increasing in the number of acres restored to forested land use as part of reclamation. Promotion of the Appalachian Regional Reforestation Initiative (ARRI) and the use of the Forestry Reclamation approach, a five-step mine reclamation process for efficient reclamation, are important tactics in accomplishing this goal.

To address the losses and impacts due to agricultural conversion, the strategy focuses on the promotion of economic advantages of converting marginal agricultural to forested land for use in woody biomass production for the developing energy market. Additionally, restoration of agricultural lands to forest will be focused in areas where connectivity between other forested areas is maximized. Minimizing agricultural conversion and increasing riparian forest buffers are also important objectives.

Two goals are aimed specifically at combating the threats of fragmentation. Protection of forestland through conservation easements and land acquisition aims to provide long-term connectivity of forestlands. Minimizing the extent of fragmentation aims to reduce the overall effect of fragmentation when it is inevitable.

The specific objectives, tactics, and the associated responsible parties for the forest fragmentation and loss strategy are listed in the tables at the end of this section.

E. Issue 4: Forest Management Strategy

Although forests cover approximately half of Kentucky's land, the value of this resource is often overlooked or underutilized. With a high percentage of private family ownership and a low percentage of these owners engaging in purposeful management, the forest management strategy focuses on education, outreach, and encouraging management for the owner's desired use. Five forest management goals have been developed, with numerous measurable objectives and tactics associated with each goal. Many of the objectives and tactics associated with these goals were developed at the 2005 Governor's Summit on Forestry and thus include the plans of a broad scope of forestry stakeholders.

Forest Management Goals:

1. Publicize the value of Kentucky's forest resources and the benefits of proper management.
2. Promote the efficient, sustainable, and environmentally sound economic utilization of Kentucky's forest resources for forest products and environmental services.
3. Enable private family forest owners to enhance their stewardship potential through technical and financial assistance.
4. Establish and build local urban and community forestry programs.
5. Monitor forest management levels in Kentucky to identify trends, needs, benefits, and threats.

The low rate of private family forest management demonstrates a need to publicize the value of Kentucky's forests and how management increases these benefits. Through development of a comprehensive communication message and delivery plan along with development of community-level forestry

organizations, increasing education, and promoting achievers, it is anticipated that numerous owners will increase their management and planning.

As Kentuckians recognize the value of our forests, many landowners are anticipated to begin or increase management for economic gains from forest products or environmental services. Efforts will focus on encouraging such use through sustainable and environmentally sound practices, particularly in conjunction with the emerging demands for biomass and alternative energy sources, but also in other markets. The KDF and its partners will seek to increase the technical and financial assistance available to private family forest owners by increasing the forester capacity, cost-share assistance, and the access to native species for plantings.

Because urban land use is expanding, forest management in urban areas will become increasingly important in the future. Therefore, numerous tactics are aimed at increasing the tree canopy coverage in urban areas and increasing or enhancing the management of these resources.

The last component of the forest management strategy focuses on monitoring the threats to management and the gains accomplished through management. Such monitoring will provide feedback to redirect future management efforts.

The specific objectives, tactics, and the associated responsible parties for the forest management strategy are listed in the tables at the end of this section.

F. Issue 5: Funding Strategy

Investments in Kentucky forests are an investment in Kentucky's future. In order for the Commonwealth's forests resources to continue to provide the vast environmental, economic, and social benefits for the state, the nation, and the world, investments must be made in our forests. With increasing demands on the resource for ecosystem services and the potential explosion of woody biomass needs, management of Kentucky's forests is paramount to ensure the sustainability of the resource.

Funding support should be driven by one goal – proper forest management that results in a healthy, productive forest ecosystem that is the source of long-term sustainable revenue and benefits all of Kentucky. While the forest uses and their associated benefits are varied and necessary, proper forest management driven by sustainable development will lead to the creation of reliable income to landowners and in turn increased tax revenues. These revenues will promote woodland wildlife habitat, improved water quality, recreational opportunities from an aesthetically-pleasing forest, and numerous other benefits to the state and local communities. Due to the great diversity in end-users of forests and the variety of products derived from them, opportunities for investment in our forests are as abundant as the benefits they may yield. Forest users run the gamut from industrial to recreational and include timber companies, sportsmen, wildlife enthusiasts, hikers, and other outdoor recreational enthusiasts.

Sufficient staffing levels will enable the KDF to address the need for more forests and the increased need to protect forests from exotic pests and diseases, wildland fire, mismanagement, and improper timber harvesting. Kentucky will need a strong Division of Forestry to educate landowners, the general public, and industry so they can make wise decisions for the future of our forest resources, recognize and respond to the threats, and provide technical assistance. Because forest funding is a long-term investment, tactics to address funding needs must include not just immediate needs but sustainable long term needs.

The funding required to address the threats, opportunities, and research needs associated with forest health, water quality and quantity, forest fragmentation and loss, and forest management have been addressed in strategies for each of these issues. However, cumulatively these funding needs, combined with the funding required to accomplish other mandated responsibilities of KDF and its partners, limit their ability to meet the needs of Kentucky's forests and forest owners.

Financial assistance to forest landowners is often necessary to support proper management practices. Economic incentives are often the most effective way to promote new markets such as woody biomass and alternative energy markets. Cost share assistance programs target afforestation, reforestation, timber stand improvement, enhancement of poorly stocked stands, practices designed to improve seedling survival and growth, and other practices needed to sustain the long-term productivity of all forest resources while providing additional environmental benefits including improved water quality, air quality, and wildlife habitat. State and federal funding is necessary to continue the delivery of cost-share assistance and economic incentives.

Funding is also necessary to allow the KDF, other state agencies, organizations, and private individuals to provide technical assistance to forest landowners. Forester positions are essential to the division's mandate of providing for the protection and enhancement of private forestlands. Though KDF has experienced losses of funding and personnel, the total number of landowners continues to increase; more communities are requesting assistance with Firewise and urban forestry needs; the growing importance of forests for energy and other environmental benefits has become recognized; and more invasive forest insects, diseases, and plants threaten our borders. Thus, KDF's ability to provide effective one-on-one technical assistance to address these needs becomes a greater challenge. With an expanding workload, the KDF has considered other partners such as the Kentucky Association of Consulting Foresters, University of Kentucky Cooperative Extension Service and Kentucky Department of Fish and Wildlife Resources, Division of Conservation, USDA Natural Resources Conservation Service, Kentucky Farm Bureau, Kentucky Woodland Owners Association, and others to reach the more than 467,000 forest landowners across the Commonwealth.

In addition to financial and technical assistance to landowners, funding is also necessary to provide for the protection of forestland and property from wildfires, acquisition of land for conservation, maintenance of land from the effects of natural disasters, and numerous other demands and mandates. While the demands for funding are numerous, the strategy to address funding involves only one goal: Provide sufficient and dedicated funding to ensure Kentucky's forests meet the diverse end-uses of its citizens through sustainable forest management. This single goal has been divided into three objectives based on funding sources: increase in federal funding, state funding, and funding from other sources.

G. Primary Agencies and Partners

In an effort to build collaboration on forestry issues with Kentucky, the forest resource strategy identifies numerous agencies and partners for collaboration on individual tactics. To conserve space, these agencies and organizations are identified by the following acronyms in the tables that follow:

ACCF	American Chestnut Cooperators' Foundation
ACE	United States Army Corps of Engineers
ADD	Area Development District
APA-KY	American Planning Association, Kentucky Chapter

APHIS	United States Department of Agriculture Animal and Plant Health Inspection Service
AgDB	Agriculture Development Board
ARRI	Appalachian Regional Reforestation Initiative
AWQA	Landowners under jurisdiction of Agricultural Water Quality Act
BLM	Bureau of Land Management
BMP Board	Forestry Best Management Practices Board
COT	Kentucky Commonwealth Office of Technology
DAH	Kentucky Division of Administrative Hearings
DAML	Kentucky Division of Abandoned Mine Lands
DAQ	Kentucky Division for Air Quality
DBNF	Daniel Boone National Forest
DEDI	Kentucky Department for Energy Development and Independence
DEP	Kentucky Department for Environmental Protection
DHS	United States Department of Homeland Security
DMRE	Kentucky Division of Mine Reclamation and Enforcement
DOC	Kentucky Division of Conservation
DOD	United States Department of Defense
DOE	United States Department of Energy
DOI	United States Department of the Interior
EEC	Kentucky Energy and Environment Cabinet
EKU	Eastern Kentucky University
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FSA	Farm Services Agency (US Department of Agriculture)
GOV	Kentucky Office of the Governor
HLCF	Kentucky Heritage Land Conservation Fund
IRS	Internal Revenue Service
KAA	Kentucky Arborist Association
KACD	Kentucky Association of Conservation Districts
KACF	Kentucky Chapter of Association of Consulting Foresters
KACo	Kentucky Association of Counties
KCML	Kentucky Certified Master Loggers
KCED	Kentucky Cabinet for Economic Development
KDAg	Kentucky Department of Agriculture
KDE	Kentucky Department of Education
KDF	Kentucky Division of Forestry
KDFWR	Kentucky Department of Fish and Wildlife Resources
KDOW	Kentucky Division of Water
KDP	Kentucky Department of Parks
KDR	Kentucky Department of Revenue
KDT	Kentucky Department of Travel
KFA	Kentucky Firefighter's Association
KFB	Kentucky Farm Bureau
KFHTF	Kentucky Forest Health Task Force
KFIA	Kentucky Forest Industries Association

KLC	Kentucky League of Cities
KML	Kentucky Master Loggers
KNLA	Kentucky Nursery & Landscape Association
KRC	The Kentucky Resources Council
KREC	Kentucky Rural Energy Consortium
KRTA	Kentucky Recreational Trail Authority
KSBA	Kentucky School Board Association
KSU	Kentucky State University
KSNPC	Kentucky State Nature Preserve Commission
KSP	Kentucky State Police
KTFC	Kentucky Tree Farm Committee
KUCFC	Kentucky Urban & Community Forestry Council
KWOA	Kentucky Woodland Owners Association
KY-EPPC	Kentucky Exotic Pest Plant Council
KYTC	Kentucky Transportation Cabinet
LBL	Land Between the Lakes National Recreation Area
MACED	Mountain Association for Community Economic Development
NASF	National Association of State Foresters
NGO	Non-Government Organization
NKY-UCFC	Northern Kentucky Urban & Community Forestry Council
NPS	United States National Park Service
NRCS	Natural Resources and Conservation Service
NWCG	National Wildfire Coordinating Group
OLS	Energy and Environment Cabinet - Office of Legal Services
OIG	Office of the Inspector General
OSBD	Office of State Budget Director
PVA	Kentucky Property Valuation Administrator
SAF-KY	Society of American Foresters, Kentucky Chapter
SGSF	Southern Group of State Foresters
SGSF-SUM	Southern Group of State Foresters Environmental Services, Utilization, and Marketing Task Force
SKH	Save Kentucky's Hemlocks
TACF	The American Chestnut Foundation
TNC	The Nature Conservancy
UK	University of Kentucky
UL	University of Louisville
USFS	United States Forest Service (US Department of Agriculture)
USFWS	United States Fish and Wildlife Service

Issue 1: Forest Health Strategy

Goal 1: Reduce the spread of invasive plants, insects, and diseases through improved monitoring, management, and education.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 1.1: Develop and provide education materials on Intergrated Pest Management for the public, policy makers, natural resource managers, and educators.						
Performance Measure 1: Number of training opportunities offered.						
Performance Measure 2: Number of outreach materials developed						
Tactic 1.1.1: Promote the Integrated Pest Management through prevention, early detection, and control.	KDF, Colleges and Universities, KY-EPPC, SKH, KSNPC, KDP	USFS, APHIS	Personnel, Information, Printing materials, Web site development, etc.	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.2: Develop outreach and education material and programs that target the general public.	KDF, UK Forestry, UK Extension, UK Pathology, UK Entomology, KY-EPPC, SKH, KSNPC, KDP	USFS, APHIS	Personnel, Information, Printing materials, Web site development, etc.	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.3: Develop and disseminate forest pest and disease information to partners, agencies, and nonprofit groups	KDF, UK Forestry, UK Pathology, UK Entomology, UK Extension, KY-EPPC, SKH, KSNPC	USFS, APHIS, KDFWR, DOI	Personnel, Information, Printing materials, Web site development, etc.	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.4: Develop outreach methods that target policy makers to help them understand the effects of invasive species.	KFHTE	KDF, KY-EPPC, APHIS, KDFWR, DOI, KSNPC, SKH	Personnel, Information, Printing materials, Web site development, etc.	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.5: Provide training programs, educational publications, and certification credits across multiple agencies for natural resource managers and educators.	KDF, UK Forestry, KY-EPPC	KDFWR, KDOW, KFIA, KDP	Educational courses and material, certification credits	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.6: Continue to provide training, educational publications and certification credits to KDF personnel.	KDF	UK Forestry, KY-EPPC	Educational courses and material, certification credits	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.7: Develop forest health / invasive species courses and material for science educators.	Kentucky Colleges and Universities	KDF, USFS, APHIS, KY-EPPC, SKH	Educational courses and material	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.8: Collaborate with and support university environmental programs to develop projects focusing on forest health threats.	KDF, KSNPC, KDFWR, KY-EPPC, SKH	Kentucky Colleges and Universities	Collaborative efforts and planning, project development	State funds, Federal Funding, Grants	Ongoing	CPE
Tactic 1.1.9: Collaboratively develop materials and programs focusing on human impacts to forests due to improper recreational practices.	KDF, KSNPC, KDFWR, KY-EPPC, SKH, KDP	USFS, DBNF, LBL, NPS	Collaborative efforts and planning, Educational material development	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.1.10: Disseminate information through outdoor recreation groups	KDF, KDFWR, USFWS, Bernheim Forest, Olmstead Parks Conservancy, KRTA, The Kentucky Horse Council, KUCFC, KDP	USFS, NPS, DBNF, LBL	Outreach and education	Primary Agencies and Partners	Ongoing	CPE

Issue 1: Forest Health Strategy

Goal 1: Reduce the spread of invasive plants, insects, and diseases through improved monitoring, management, and education.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.1.11: Support information and education efforts regarding invasive plants, insects, and diseases through the Kentucky Forest Health Task Force.	KFHTF member agencies and organizations (KDFWR, KDAg, UK Forestry, UK Pathology, UK Entomology, KFIA, KWOA, KSNPC, KSP, KDF, KAA, KACD, KFB, KACF, KUCFC)	-	Outreach, Information, Education	Primary Agencies	Ongoing	CPE
Objective 1.2: Encourage increased collaboration on forest health issues between state, federal and non-government agencies and industry in Kentucky.						
Performance Measure 1: Survey state and federal agencies in Kentucky for use or development of relevant training programs.						
Performance Measure 2: Annual Kentucky invasive species conference.						
Tactic 1.2.1: Support a regularly occurring work group meeting for Kentucky state and federal agencies.	KDF, KDFWR, KSNPC, KDOW, KDP, USFS, DOI	-	Working Group administration and attendance	Primary Agencies	Annual	CPE
Tactic 1.2.2: Support a regularly occurring invasive species conference in Kentucky.	UK Forestry, KDF, KSNPC, KY-EPPC	USFS, DOI	Invasive Species Conference administration and attendance	Primary Agencies	Annual	CPE
Tactic 1.2.3: Support and encourage interaction with the Kentucky Forest Health Task Force.	KFHTF member agencies and organizations	-	Communication and outreach	Primary Agencies	Ongoing	CPE
Tactic 1.2.4: Seek legislation to establish a Forest Health Board	EEC, KWOA, Legislators	KFHTF member agencies and organizations	Legislation and Lobbying	Primary Agencies	Ongoing	CPE
Objective 1.3: Monitor for invasive plants, insects, and diseases.						
Performance Measure 1: Development of tracking system.						
Performance Measure 2: Development of new monitoring projects.						
Performance Measure 3: Development of multi-agency pest surveys.						
Performance Measure 4: Development of invasive plant research projects.						
Performance Measure 5: Increased survey and monitoring productivity.						
Performance Measure 6: Increased forest health staffing and resources.						
Tactic 1.3.1: Continue to participate in forest pest and disease monitoring traditionally supported by the Forest Service and APHIS.	KDF, UK Forestry, USFS	APHIS, Ohio, Indiana, West Virginia, Tennessee	Monitoring and research	Grants, State and Federal Funding	Ongoing	P
Tactic 1.3.2: Develop more specialized monitoring projects according to Kentucky's needs.	KDF, Kentucky Colleges and Universities	KFHTF, APHIS, USFS	Monitoring and research	Grants, State and Federal Funding	Ongoing	P
Tactic 1.3.3: Develop multi-agency supported, large scale pest surveys on state owned public lands	KDF, KSNPC, KDFWR, UK Forestry, EKU	KDP	Monitoring and research	Grants, State and Federal Funding	2012	CP
Tactic 1.3.4: Encourage invasive exotic species research.	KDF, USFS, KSNPC, KY-EPPC, SKH	Kentucky Colleges and Universities	Monitoring and research	Grants, State and Federal Funding	Ongoing	CPE

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Goal 1: Reduce the spread of invasive plants, insects, and diseases through improved monitoring, management, and education.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.3.5: Increase personnel and resources within the forest health program	KDF	USFS	Personnel and funding	Grants, State and Federal Funding	Ongoing	CPE
Objective 1.4: Develop a Kentucky invasive species database						
Performance Measure 1: Development of invasive species database.						
Tactic 1.4.2: Encourage use of an invasive species database as the standard clearinghouse for all invasive species data in Kentucky including animals, plants, and pathogens.	UK, KDF, KSNPC, KY-EPPC, KDFWR, KDOW, EKU	NRCS	Outreach and Public Announcements, Database management	Primary Agencies	Ongoing	CP
Tactic 1.4.3: Encourage the use of the database for making land management decisions.	KDF, UK Forestry	Local Tree Boards, Urban and rural planners	Outreach and Public Announcements	Primary Agencies	Ongoing	CPE
Tactic 1.4.4: Develop search and mapping functions for database information.	UK Forestry	COT, KDF	Software, IT Development	State Funds	Ongoing	CPE
Objective 1.5: Reduce pest movement and pest host movement.						
Performance Measure 1: Development of policies within and between agencies to practice equipment sanitation.						
Performance Measure 2: Survey public for practice of firewood movement.						
Performance Measure 3: Community development of policies restricting the use/sale of selected invasive exotic plants.						
Performance Measure 4: Development of noxious weed/pest list.						
Performance Measure 5: List of invasive exotic plants for which bans or restrictions are recommended.						
Tactic 1.5.1: Develop a Kentucky noxious pest and disease list through partner collaboration	KDFWR, KDAg, UK Forestry, UK Pathology, UK Entomology, KFIA, KWOA, KSNPC, KSP, KDF, KAA, KACD, KFB, KACF, KUCFC, KY-EPPC	-	Collaborative efforts	Primary Agencies	2012	CP
Tactic 1.5.2: Encourage practices that reduce the spread of pests by heavy equipment.	KFHTF	KDAg Division of Environmental Services, USFS, DBNF, LBL	Guidance and Implementation	Primary Agencies and Partners	Ongoing	CP
Tactic 1.5.3: Continue to develop and support information and education projects targeting firewood movement.	KDF, UK, USFS, APHIS	KFHTF, Ohio, Indiana	Monitoring, Public Relations, Media Campaign, Information distribution	Primary Agencies and Partners	Ongoing	P
Tactic 1.5.4: Seek new and more effective means of delivering information to the public regarding invasive species movement.	KFHTF	KDF, UK, USFS, APHIS, Ohio, Indiana, West Virginia, Tennessee	Monitoring, Public Relations, Media Campaign, Information distribution	Primary Agencies and Partners	Ongoing	CP
Tactic 1.5.5: Encourage communities to ban the use of selected invasive exotic plants.	KFHTF, KY-EPPC, UK Forestry	Local Tree Boards, KNLA	Outreach, education, information distribution	Primary Agencies and Partners	Ongoing	CP

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Goal 1: Reduce the spread of invasive plants, insects, and diseases through improved monitoring, management, and education.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.5.6: Continue to provide educational material to the public regarding the spread of invasive species due to human activities.	KDF, KDFWR, KSNPC, KDP, KY-EPPC, SKH, APHIS, USFS, DOI	KFHTF	Outreach, education, information distribution	Primary Agencies and Partners	Ongoing	CP

Issue 1: Forest Health Strategy

Goal 1: Reduce the spread of invasive plants, insects, and diseases through improved monitoring, management, and education.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.5.7: Analyze the potential benefits of developing invasive species Best Management Practices.	KDF, UK	KFHTF	Meetings and Collaboration	Primary Agencies and Partners	2014	CP
Tactic 1.5.8: Develop emergency action plans for selected species/complexes of forest pests and diseases.	KFHTF	USFS, APHIS	Planning, research, monitoring, and collaboration	Primary Agencies and Partners, Local Communities, State and Federal Funding	Varies by pest	P
Tactic 1.5.9: Develop a list of invasive exotic plants for which to support restrictions to their sale	KFHTF member agencies and organizations	KNLA, KAA	Collaboration, Outreach, Legislation, Guidance materials	Primary Agencies and Partners	2013	CP
Tactic 1.5.10: Encourage communities to ban the use of selected, invasive exotic plants.	KFHTF member agencies and organizations	KNLA, KAA	Collaboration, Outreach, Legislation, Guidance materials	Primary Agencies and Partners	2013 and ongoing	CP
Tactic 1.5.11: Support efforts to educate consumers about not purchasing selected invasive exotic plants.	KFHTF member agencies and organizations	KNLA, KAA	Collaboration, Outreach, Education, Guidance materials	Primary Agencies and Partners	Ongoing	CP
Tactic 1.5.12: Collaborate with the Kentucky Forest Health Task Force to pursue policy development, state pest designations and outreach regarding the restricted use and spread of pests and diseases.	KFHTF member agencies and organizations	KNLA, KAA	Collaboration, Outreach, Legislation, Guidance materials	Primary Agencies and Partners	Ongoing	CP
Objective 1.6: Continue cost share programs and develop new programs that target forest health management.						
Performance Measure 1: Development of cost share programs focusing on forest health management.						
Tactic 1.6.1: Continue invasive species control component of federal cost share programs for non-industrial, private forest landowners.	KDF	NRCS	Invasive Species Control Funding	Federal Cost-share funding	Ongoing	CPE
Tactic 1.6.2: Develop new cost share programs that target forest health management.	KDF, USFS, NRCS	EEC	Cost-share funding	Federal and State Cost-share funding	Ongoing	CPE
Tactic 1.6.3: Provide assistance to landowners applying for cost share.	KDF, NRCS	DOC	Technical assistance, Personnel	Primary Agencies and Partners	Ongoing	CPE
Tactic 1.6.4: Develop forest health management recommendations for forest stewardship program.	KDF	KFHTF, KDFWR, NRCS, KSNPC, KDOW	Personnel and Collaboration	Primary Agencies and Partners	2015	CPE
Objective 1.7: Develop a Kentucky forest health plan.						
Performance Measure 1: Development of plan with specific current and potential threats, risk reduction plans, and post-establishment management plans.						
Tactic 1.7.1: Develop the plan through the Kentucky Forest Health Task Force and include collaboration with government, non-government and industry partners. Plan should include specific and potential threats, risk reduction measures, and post-establishment management.	KFHTF member agencies and organizations	USFS, KDF, NGOs, KFIA, KWOA	Collaborative efforts and planning	Dedicated Funding, Grants	2011	CPE

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Goal 2: Decrease the impacts on forests due to improper trail use, management, and design.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 2.1: Develop educational materials on proper design, management, and use and the effects of improper use on forest resources.						
Performance Measure 1: Development of guidance and educational materials						
Tactic 2.1.1: Develop guidance on proper trail development to reduce impacts to forest health.	KRTA, KDF, USFS	KDP	Personnel, research	Primary & Partnering Agencies, State Funds	2015	CP
Tactic 2.1.2: Distribute forest health materials and trail educational materials to appropriate groups.	KRTA, KDF, USFS	KDP, The Kentucky Horse Council, mountain bike, ATV, and hiking organizations, NPS	Information, Brochures, materials, personnel, distribution costs	Primary & Partnering Agencies, State Funds	Ongoing	CPE
Tactic 2.1.3: Support statewide policies and strategies to address negative forest impacts due to recreational use and the development of recreational areas.	KRTA, KDF, USFS	KDP, The Kentucky Horse Council, mountain bike, ATV, and hiking organizations, NPS, DBNF, LBL	Personnel, Collaborative efforts	Primary & Partnering Agencies, State Funds	Ongoing	CPE
Tactic 2.1.4: Provide technical assistance to private landowners interested in trail development.	KRTA, KDF, USFS	KDP, NPS	Technical Assistance, Guidance, Planning	Primary & Partnering Agencies, State Funds	Ongoing	CPE
Objective 2.2: Promote active planning and management of forests with recreational trail use						
Performance Measure 1: Number of forestlands with recreational trail availability.						
Performance Measure 2: Development of use classification standards and monitoring guidelines.						
Performance Measure 3: Number of agencies and groups with trail oversight responsibilities trained to monitor forest health.						
Tactic 2.2.1: Support the purchase of lands specific to recreational uses.	KRTA	KDFWR, USFWS, NPS, KDP, ACE, USFS, KDF, KDT	Conservation easements, Acquisitions	Cost-share, Forest Legacy, Federal and State Funding	Ongoing	CPE
Tactic 2.2.2: Develop use classification standards and monitoring guidelines for soil erosion control, tree damage, the spread of invasive species, and other associated issues.	KDF, USFS	KFHTF, APHIS	Personnel, research, collaboration, guidance publication	Primary & Partnering Agencies, State Funds	2015	CP
Tactic 2.2.3: Provide training agencies and groups with trail oversight responsibilities on forest health monitoring.	KDF, USFS	KDP, NGOs, Olmstead Parks Conservancy, Pine Mountain Trail, NPS,	Education, training, outreach	Primary & Partnering Agencies, State Funds, Federal funding	Ongoing	CP

Issue 1: Forest Health Strategy

Goal 2: Decrease the impacts on forests due to improper trail use, management, and design.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 2.2.4: Promote the expansion of volunteer based programs to minimize forest health impacts from trail use.	KDF, USFS	NGO, The Kentucky Horse Council, mountain bike, ATV, and hiking organizations, Kentucky Rails to Trails Council, Olmstead Parks Conservancy, Pine Mountain Trail	Education, training, outreach	Primary & Partnering Agencies, State Funds, Federal funding	Ongoing	CP

Issue 1: Forest Health Strategy

Goal 3: Reduce negative impacts of air pollution in urban areas.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 3.1: Remove air pollutants and improve environmental conditions that lead to higher pollution concentrations and ozone formation.						
Performance Measure 1: Development of educational material on the benefits of tree planting on air quality improvement						
Performance Measure 2: Increase the urban tree canopy percentage.						
Tactic 3.1.1: Provide information to the public and policy makers regarding the positive effects of planting trees to reduce the impacts of air pollution.	KDF, Tree Boards, KUCFC	USFS, DAQ	Outreach materials, Distribution, Education	Primary Agencies and Partners	Ongoing	PE
Tactic 3.1.2: Promote tree planting in urban areas.	KDF, Tree Boards, KUCFC, NKY-UCFC, KLC	KDOW, City Governments and urban planners	Outreach materials, Distribution, Personnel, Travel	Primary Agencies and Partners	Ongoing	E
Tactic 3.1.3: Concentrate planting efforts in urban areas with the highest concentrations of air pollution.	NKY-UCFC, KUCFC, KLC	KACo, NRCS, KDF, UK, APA-KY, DAQ	Outreach materials, Distribution, Personnel, Travel	Primary Agencies and Partners	Ongoing	PE
Tactic 3.1.4: Provide information and encourage proper tree selection to maximize the benefits trees provide for reducing the negative impacts of air pollution.	KDF, Tree Boards, KUCFC, NKY-UCFC, KLC	KAA, KLNA, DAQ	Guidance, education	Primary Agencies and Partners	Ongoing	PE
Tactic 3.1.5: Continue activities of Kentucky Climate Action Plan Council.	Participating council members	DEDI	Planning, Outreach, Research	Primary Agencies	Ongoing	CPE
Tactic 3.1.6: Stay current on climate change issues and address as appropriate.	KDF	-	Planning, Outreach, Research	KDF	Ongoing	CPE
Objective 3.2: Promote carbon marketing opportunities to increase interest in tree planting.						
Performance Measure 1: Development of educational material on the benefits of air quality improvement through carbon marketing.						
Tactic 3.2.1: Promote the benefits of carbon marketing to include the reduced impacts of air pollution.	FSA, NRCS, KSNPC, TNC	KDF, KDFWR, MACED, ARRI, Chicago Climate Exchange	Personnel, Administration, Outreach	Primary Agencies	Ongoing	E
Tactic 3.2.2: Promote monetary incentives associated with participating in carbon market opportunities.	FSA, NRCS, KSNPC, TNC	KDF, KDFWR, MACED, ARRI, Chicago Climate Exchange	Personnel, Administration, Outreach	Primary Agencies	Ongoing	E

Issue 1: Forest Health Strategy

Goal 4: Support and develop forest health research projects.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 4.1: Develop and support forest health scientific research on Kentucky forest health threats.						
Performance Measure 1: Sustained research of blight resistant American chestnut.						
Performance Measure 2: Assessment of most critical forest health research needs.						
Performance Measure 3: Research publications on prescribed fire use.						
Performance Measure 4: Monitoring data on forest age in Kentucky.						
Tactic 4.1.1: Develop collaborative projects that examine long-term forest health effects.	UK Forestry, KSU, EKU, Other Universities and colleges	KDF, USFS, KFHTF, APHIS, Ohio, Indiana, West Virginia, Tennessee	Research	Research grants	Ongoing	CPE
Tactic 4.1.2: Promote scientific research findings as a tool to for long-term management decisions and activities.	KDF, USFS	Universities and colleges	Outreach, Guideline development, education	State and Federal funding	Ongoing	CPE
Tactic 4.1.3: Continue to support the development of blight resistant American chestnut trees.	ACCF, TACF	KDF	Kentucky Revised Statute 149.015; Funding	Foundations, State, Federal funding	Ongoing	PE
Tactic 4.1.4: Examine Kentucky's needs for forest health research.	KDF, UK Forestry	USFS, KFHTF	Personnel	Primary agencies	Annual	C
Tactic 4.1.5: Support research that examines the negative effects of coal mining and wildfire on Kentucky's forest health.	KDF, USFS, Universities and Colleges	KSNPC, Kentucky Prescribed Fire Council, SGSF, KDFWR, NRCS, KFA, ARRI	Research	Research grants	Ongoing	CP
Tactic 4.1.6: Seek increased funding to support more forest health research projects.	KDF, USFS	Universities and colleges	Grant writing, Personnel, Funding requests, etc.	-	Ongoing	CPE
Tactic 4.1.7: Analyze the use of prescribed fire as a management and invasive species prevention tool.	UK Forestry, KSU, EKU, Other Universities and colleges	KDF, KSNPC, Kentucky Prescribed Fire Council, SGSF, USFS, KDFWR, NRCS	Research, Meetings, Collaborative efforts	Research grants	Ongoing	CPE
Tactic 4.1.8: Develop procedures for the use of fire in forest management.	KDF, KSNPC, Kentucky Prescribed Fire Council, SGSF, USFS, KDFWR, NRCS	KFA, KFHTF	Collaborative effort, guideline publication	Primary agencies	2015	CPE
Tactic 4.1.9: Evaluate the forest age against the average lifespan of species in order to develop forest health strategies.	UK Forestry	KDF, USFS, KFHTF, APHIS	Research	Research grants	2015	CPE
Tactic 4.1.10: Increase research activities on under-examined forest health threats (such as butternut canker et al).	UK Forestry, KSU, EKU, Other Universities and colleges	KDF, USFS, KFHTF, APHIS	Research	Research grants	Ongoing	CPE

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Goal 5: Promote reforestation opportunities on post-mining land.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 5.1: Restore previously mined land to healthy forest conditions using the Forest Reclamation Approach.						
Performance Measure 1: Number of blight resistant American chestnut seedlings planted on reclamation sites annually						
Performance Measure 2: Acres and percentage of reclamation plans that include ARRI reforestation as post-mining land use						
Tactic 5.1.1: Maintain the Division of Forestry Tree Nurseries ability to produce tree seedlings for mine reclamation to meet current and future demand	KDF	ARRI, MACED, DAML, DMRE	Funding, sales	State Funds, revenue	Ongoing	E
Tactic 5.1.2: Work with The American Chestnut Foundation and the Kentucky Chapter of The American Chestnut Foundation to identify and propagate blight resistant American chestnut seedlings for planting on reclamation sites	ACCF, TACF, KDF	ARRI, UK Forestry	Kentucky Revised Statute 149.015; Funding	Foundations, State, Federal Funding	Ongoing	CPE
Tactic 5.1.3: Encourage the establishment of forestland using the Forestry Reclamation Approach as the post-mining land use.	KDF	ARRI, MACED, DAML, DMRE, West Virginia	Outreach, public relations	Primary agencies & partners	Ongoing	E
Tactic 5.1.4: Facilitate the approval and installation of carbon sequestration demonstration projects on mining lands using the Forest Reclamation Approach.	KDF	ARRI, MACED, DAML, DMRE	Demonstration projects	Landowners, Primary agencies & partners	Ongoing	CE
Tactic 5.1.5: Implement the 2010 "Southern Appalachian Mixed-Mesophytic Reclamation Initiative" leveraging funding and commitment among partners	KDF, DAML	Virginia, Alabama, NRCS, ACCF, TACF, MACED, ARRI	Establishing forests, reclamation, enhancing public awareness,	Federal Competitive Funding	Ongoing	CPE

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Goal 6: Enhance comprehensive wildfire prevention programs in Kentucky to reduce the number of human-caused wildfires in Kentucky.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 6.1: Use updated county and district fire prevention plans to reduce the number of wildfires in Kentucky.						
Performance Measure 1: Number of revised or updated fire prevention plans.						
Performance Measure 2: Amount of fire prevention materials purchased.						
Performance Measure 3: Development of implementation success measures.						
Performance Measure 4: Prioritized list of communities in need of community wildfire protection plans.						
Tactic 6.1.2: Purchase required fire prevention materials needed to implement updated fire prevention plans.	KDF	DBNF	Grant Funds	National Fire Plan Mitigation Grant	December 31, 2010	CP
Tactic 6.1.3: Implement district and county fire prevention plans.	KDF	DBNF	Personnel Grant Funds	KDF Employees, Federal Funding	Ongoing	CP
Tactic 6.1.4: Develop methods, processes, and procedures to evaluate success of implementation of fire prevention plans.	KDF	USFS, EKU, SGSF	Personnel Grant Funds	KDF Employees, Federal Funding	Ongoing	CP
Tactic 6.1.5: Develop and submit a redesigned fire prevention grant.	KDF	DBNF	Grant Funds	Federal Funding	2012	CP
Tactic 6.1.6: Perform a GIS analysis of the communities at risk (CARS) versus the existing community wildfire protection plans (CWPPs) to prioritize the areas in need of CWPP development.	KDF	SGSF	GIS analysis	KDF Employees	2012	CP
Objective 6.2: Develop multi-state fire prevention publications, messages, projects, and programs.						
Performance Measure 1: Number of multi-state fire prevention projects.						
Performance Measure 2: Number of multi-state fire prevention publications.						
Tactic 6.2.1: Develop and submit a tri-state (Tennessee and Virginia) fire prevention grant application.	KDF	Tennessee, Virginia	Grant Funds	Federal Funding	2012	CP
Tactic 6.2.2: Coordinate with Tennessee and Virginia the development of fire prevention messages and publications.	KDF	Tennessee, Virginia	Personnel	KDF Employees Tennessee, Virginia Employees	Ongoing	CP
Objective 6.3: Enhance the use of the Target Arson Program.						
Performance Measure 1: Development of a Target Arson Program promotional plan.						
Tactic 6.3.1: Develop a plan to promote the Target Arson Program and to raise the visibility of the program to the public.	KDF	Target Arson Program, KSP	Personnel	Primary Agency and Partners	Ongoing	CP
Tactic 6.3.2: Explore the creation of a "wildfire" target arson program with a funding mechanism to pay rewards.	KDF	EEC, OIG, KSP	Personnel Reward Funds	KDF EEC Suppression Cost Timberland Tax	2011	CP

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Goal 7: Provide leadership, support, and coordination for educating the public about wildfires in Kentucky.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 7.1: Develop a wildfire public education media campaign using the latest communication techniques.						
Performance Measure 1: Development of plans for a wildfire education public media campaign.						
Tactic 7.1.1: Develop information, messages, and communication techniques about wildfires in Kentucky to incorporate into a public education media campaign. Develop a theme for arson fires for use in public education messages, communications, media spots, and other avenues.	KDF	DBNF, EEC, SGSF, KFA	Personnel Media - Messaging Contractor	Primary agency and partners, Grant Funds	2011	CP
Tactic 7.1.2: Develop methods and process to communicate to the public the true costs of wildfires in Kentucky. Incorporate all aspects such as suppression costs, public health costs, degraded resource costs, social costs, loss of tourism, and other similar issues.	KDF	KFIA, DBNF, KFA	Personnel	Primary agency and partners	Ongoing	CP
Tactic 7.1.3: Compile information on successful wildfire media campaigns from other states or agencies.	KDF	SGSF, USFS	Personnel	Primary agency and partners	2011	CP
Tactic 7.1.4: Develop methods to incorporate new social media such as Facebook, Twitter, Flickr, into wildfire public education messages, communications, and plans.	KDF	EEC, SGSF, USFS, NWCG, NPS	Personnel	Primary agency and partners	Ongoing	CP
Objective 7.2: Enhance school programs that provide students with information on wildfires in Kentucky.						
Performance Measure 1: Revised wildfire presentation for school programs						
Tactic 7.2.1: Revise and update wildfire presentation with the latest facts, statistics, wildfire effects, and costs for wildfires in Kentucky.	KDF	DBNF, NPS, LBL	Personnel	Partnering Agencies	December 31, 2010	CP
Tactic 7.2.2: Strengthen the Smokey Bear program.	KDF	USFS	Personnel	Primary agency and partner	Ongoing	CP

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Goal 8: Enhance and improve wildfire law enforcement programs.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 8.1: Provide increased fire investigation and law enforcement training for Kentucky Division of Forestry employees.						
Performance Measure 1: Employees trained in fire investigation, courtroom procedures, and/or law enforcement						
Tactic 8.1.1: Send selected KDF employees to attend FI-110 and FI-210 fire investigation training courses offered by the National Fire Protection Association.	KDF	EEC, OIG	Grant Funds	National Fire Plan Preparedness Grant	2013	CP
Tactic 8.1.2: Send selected KDF employees to attend law enforcement training at the Kentucky State Police academy.	KDF	KSP	State Funds, Grant Funds	KDF Budget, National Fire Plan Preparedness Grant	2013	CP
Tactic 8.1.3: Provide general investigative and courtroom procedures training to all KDF Forest Ranger-Technicians.	KDF	KSP, OIG	Personnel	Partnering Agencies	2012	CP
Objective 8.2: Establish a law enforcement unit within the KDF.						
Performance Measure 1: Creation of a law enforcement unit.						
Performance Measure 2: Employment of two law enforcement / arson investigators.						
Tactic 8.2.1: Work to amend KRS 149 to create a law enforcement section within the KDF.	EEC, KDF	KDF, KFA, OIG, KWOA, KSP, KFIA, State Fire Commission	Personnel	Partnering Agencies	Ongoing	CP
Tactic 8.2.2: Provide training to ensure KDF law enforcement officers meet peace officer training and physical fitness standards in KRS 15.382 and KRS 15.404.	KDF, EEC, OIG	KSP, FEMA, DHS	State Funds, Grant Funds	KDF Budget, FEMA, DHS	Ongoing	CP
Tactic 8.2.3: Use a National Fire Plan (NFP) fire mitigation grant to fund two (2) pilot KDF law enforcement/arson investigators.	KDF	KSP, OIG, EEC, USFS	Grant Funds	National Fire Plan Mitigation Grant	2012	CP
Objective 8.3: Explore the use of a KDF pilot arson tracking dog program.						
Performance Measure 1: Development and implementation of a arson tracking dog program.						
Tactic 8.3.1: Use a NFP fire mitigation project to establish a pilot arson tracking dog program in a selected KDF district.	KDF	KSP, Virginia, West Virginia, Chenoa Forestry Camp	Grant Funds	National Fire Plan Mitigation Grant	2012	CP
Tactic 8.3.2: Provide required training for arson tracking dog and arson tracking dog handler.	KDF	Contractors, Virginia, West Virginia	Grant Funds	National Fire Plan Mitigation Grant	2012	CP
Tactic 8.3.3: Develop methods and procedures to determine effectiveness of arson tracking dog program	KDF	KSP, Virginia, West Virginia	Grant Funds	National Fire Plan Mitigation Grant	2012	CP

Issue 1: Forest Health Strategy

Goal 9: Maintain and enhance the statewide system of forest fire protection and suppression as required by KRS 149.520

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 9.1: Provide KDF employees enhanced fire suppression and Incident Command System (ICS) training.						
Performance Measure 1: Employees trained in fire suppression and ICS.						
Tactic 9.1.1: Provide continual training opportunities to ensure that all KDF Ranger-Technicians meet the requirements for Incident Commander Type IV (ICT4).	KDF	DBNF, NPS, Regional USFS	State Funds, Grant Funds	KDF Budget, National Fire Plan Preparedness Grant	Ongoing	CP
Tactic 9.1.2: Provide I-100 and I-200 to all KDF fire line personnel and I-300 to all KDF overhead team members.	KDF	DBNF, NPS, Regional USFS	State Funds, Grant Funds	KDF Budget, National Fire Plan Preparedness Grant	Ongoing	CP
Tactic 9.1.3: Provide IS-700 training to all KDF employees and IS-800 to all single resource boss personnel.	KDF	FEMA, DHS	State Funds, Grant Funds	FEMA, DHS	Ongoing	CP
Tactic 9.1.4: Continue to support and participate in the TN/KY Wildland Fire Academy.	KDF	DBNF, NPS, USFWS, Tennessee Division of Forestry, Regional USFS	Grant Funds	National Fire Plan Preparedness Grant	Ongoing	CP
Objective 9.2: Upgrade and replace fire suppression equipment as identified and warranted.						
Performance Measure 1: Regular upgrade and replacement of fire suppression equipment.						
Tactic 9.2.1: Update March 2007 dozer/transport replacement report and continue to seek funding to purchase replacement units.	KDF	EEC	State Funds	State General Funds, State Bonds, Maintenance Pool Funds	Ongoing	CP
Tactic 9.2.2: Use National Fire Plan (NFP) grant funds where possible to upgrade and replace engines and dozer units.	KDF	USFS, FEMA, DHS	State Funds, Grant Funds	KDF Budget, FEMA, DHS	Ongoing	CP
Tactic 9.2.3: Explore the use of a contract helicopter(s) for KDF for initial attack on wildfires.	KDF	DBNF, Virginia Division of Forestry	State Funds, Grant Funds	Necessary Government Expenses, National Fire Plan Preparedness Grant	2011	CP
Tactic 9.2.4: Explore an increase in the timberland tax rate (.02/acre currently) with increased funds dedicated solely to the purchase of fire suppression equipment.	KDF	EEC, KWOA, DBNF, Other Partners	Restricted Funds	Timberland Tax Receipts	2011	CP
Objective 9.3: Improve KDF fire operations to make them more effective and professional.						
Performance Measure 1: Improved KDF fire suppression operations.						
Tactic 9.3.1: Implement the use of district After Action Reviews (AAR) to document strengths and weaknesses by focusing on "what not who".	KDF	DBNF	Personnel	KDF, DBNF	Ongoing	CP

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Goal 9: Maintain and enhance the statewide system of forest fire protection and suppression as required by KRS 149.520

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 9.3.2: Improve initial attack response times by identifying where and why slow response times occur.	KDF	DBNF	Personnel	KDF, DBNF	2011	CP
Tactic 9.3.3: Conduct a study of KDF fire operations including initial attack, crews, supervision, and equipment to identify ways to improve KDF fire suppression effectiveness.	KDF	KDF, USFS	Personnel	KDF, USFS	2012	CP

Issue 2: Water Quality and Quantity Strategy

Goal 1: Ensure timber harvest operations employ measures to maximize water quality protection

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 1.1: Achieve improved rate of timber harvest operation compliance						
Performance Measure 1: Increased percentage of timber harvests inspected.						
Performance Measure 2: Increase the number of inspectors.						
Tactic 1.1.1: Hire additional staff to inspect timber harvesting compliance.	KDF	-	State Funds	Legislature	Ongoing	CPE
Tactic 1.1.2: Evaluate legislative proposals to strengthen enforcement of laws related to commercial timber harvesting	EEC	KWOA, KFIA, KDF, KRC, BMP Board	Collaborative lobby effort, Legislative bill	EEC	July 2011	CPE
Tactic 1.1.3: Support and promote Certified Kentucky Master Logger program.	UK, KDF, KFIA	Certification Councils, AFF	Funding and Development staff	Fees, UK	Ongoing	CPE
Tactic 1.1.4: Strengthen Penalties incurred by repeat bad actors	EEC	KWOA, KFIA, KDF, KRC, BMP Board	Collaborative lobby effort, Legislative bill	EEC	July 2011	CPE
Tactic 1.1.5: Pursue concurrent jurisdiction for Franklin County Circuit Court and local circuit courts	EEC	KWOA, KFIA, KDF, KRC, BMP Board	Collaborative lobby effort, Legislative bill	EEC	July 2011	CPE
Objective 1.2: Maintain statewide BMP implementation monitoring program						
Performance Measure 1: Plan for continual BMP implementation monitoring.						
Performance Measure 2: Identification of funding for BMP implementation monitoring.						
Performance Measure 2: Creation of Timber Harvest BMP Implementation Advisory Board						
Tactic 1.2.1: Develop plan for continuing BMP implementation monitoring.	KDF	KDOW	State Funds, Grants	Legislature, KDOW	2011	CPE
Tactic 1.2.2: Obtain dedicated funding for the timber harvest inspection program for personnel, equipment, database maintenance and BMP research.	EEC	KWOA, KFIA, KDF, KRC, BMP Board	Collaborative lobby effort, Legislative bill	EEC	July 2011	CPE
Tactic 1.2.3: Create an advisory group comprised of inspectors and loggers	KDF	KFIA, UK, KML, BMP Board	Personnel, State Funds	KDF, State Funds	2011	CPE
Tactic 1.2.4: Increase emphasis on BMP implementation in Continuing Education program	UK, KDF	KML partners, BMP Board	Personnel, State Funds	KDF, KML	2011	CPE
Objective 1.3: Continue and improve timber harvest inspector training to enhance effectiveness						
Performance Measure 1: Revision of inspector training courses based on monitoring results.						
Tactic 1.3.1: Modify initial inspector training program and refresher courses based on short comings identified by the BMP implementation monitoring study.	KDF	BMP Board, UK, KFIA	Personnel, travel, and funding	EEC	Ongoing	CPE
Tactic 1.3.2: Use results from monitoring to improve enforcement	KDF	BMP Board, UK, KML	Personnel, travel, and funding	EEC	Ongoing	CPE
Objective 1.4: Support the Agriculture Water Quality Authority						
Performance Measure 1: Performance of BMP implementation study.						
Performance Measure 2: Development of plan based on implementation results.						

Issue 2: Water Quality and Quantity Strategy

Goal 1: Ensure timber harvest operations employ measures to maximize water quality protection

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.4.1: Conduct a monitoring study to indicate the rate of proper forestry BMP implementation for landowners under the Agricultural Water Quality Act.	DOC	BMP Board, KDF, AWQA, KDOW	Personnel and Funding	EEC, KDOW	2012	CPE
Tactic 1.4.2: Develop an action plan based on the results of the implementation study.	DOC	BMP Board, KDF, AWQA, KDOW	Personnel and Funding	EEC, KDOW	2012	CPE
Objective 1.5: Review Forestry Best Management Practices						
Performance Measure 1: Report on findings and recommendations on BMP regulations						
Tactic 1.5.1: Evaluate measures to strengthen the Kentucky Master Logger programs	BMP Board	KFIA, KDF, UK, KML	Advisory group developed under Tactic 1.2.3, information	Advisory group, KDF	2012	CPE
Tactic 1.5.2: Evaluate measures to expand the Certified Master Logger program statewide.	BMP Board	KFIA, KDF, UK, KML	Time, Information, and Travel funds for BMP board meetings	Legislative Research Commission, Partnering agencies	2011	CPE
Tactic 1.5.3: Review University of Kentucky Dept. of Forestry Robinson Forest Stream Management Zone (SMZ) Study to make any necessary changes to SMZ BMPs.	BMP Board	KFIA, KDF, UK, KML	Time, Information, and Travel funds for BMP board meetings	Partnering agencies	2012	CPE
Tactic 1.5.4: Evaluate the need for additions and changes to BMPs for timber and woody biomass harvesting.	BMP Board	KFIA, KDF, UK, KML	Time, Information, and Travel funds for BMP board meetings	Partnering agencies	2013	CPE

Issue 2: Water Quality and Quantity Strategy

Goal 2: Improve Kentucky water quality through the protection, enhancement, and restoration of forested riparian areas.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 2.1: Increase acreage of rural forested riparian areas to enhance water quality.						
Performance Measure 1: Assessment of current forested riparian resources.						
Performance Measure 2: Development of water credit system.						
Performance Measure 3: Acres of forested riparian area created, protected, or improved.						
Tactic 2.1.1: Leverage funds and resources from governmental and non-governmental organizations to increase and protect forested riparian areas	KDF, KDOW, KDFWR	DOC, KSNPC, NRCS, KDOW, TNC, FSA, USFS, NGOs	Personnel and funds	State Funds, Primary & Partner Agencies	2015	CPE
Tactic 2.1.2: Foster the establishment of a clean water credit system that favors forested riparian area creation and improvement	KDF, KDOW, KDFWR	DOC, KSNPC, NRCS, KDOW, TNC, FSA, USFS, NGOs	Personnel and funds	State Funds, Primary & Partner Agencies	2015	CPE
Tactic 2.1.3: Expand the use of conservation easement programs for the preservation of forested riparian zones in targeted areas.	KDF, KDOW, KDFWR	DOC, KSNPC, NRCS, KDOW, TNC, FSA, USFS, NGOs	Personnel and funds	State Funds, Primary & Partner Agencies	2015	CPE
Tactic 2.1.4: Encourage the creation and improvement of forested riparian areas through cost-share programs.	KDF, KDOW, KDFWR	DOC, KSNPC, NRCS, KDOW, TNC, FSA, USFS, NGOs	Personnel and funds	State Funds, Primary & Partner Agencies	2015	CPE
Tactic 2.1.5: Compare the actual amount of forested riparian area by watershed to the desired area based on stream use to provide a baseline to measure future changes and focus remediation.	KDF, KSNPC, KDOW	Watershed Groups, Urban Planners	GIS assessment, Report Preparation and Distribution, Personnel	State Funds, Primary & Partner Agencies	2015	CPE
Tactic 2.1.6: Promote the use of agroforestry techniques on agricultural pasture lands.	KDF	NRCS, KDOW, DOC, UK Forestry, UK Extension, APA-KY, KDAg, KDFWR, NKY-UCFC	Technical Assistance, Outreach and Funding	USFS, NRCS, State	2015	CPE
Objective 2.2: Reduce the degradation of the waters of the commonwealth caused by the occurrence of wildfires in riparian areas						
Performance Measure 1: Number of wildfires in riparian zones						
Performance Measure 2: Impact of fires on water quality degradation						
Tactic 2.2.1: Reduce occurrence of wildfires	KDF, USFS, EEC, KSP	KWOA, KFIA, County Sheriffs,	Personnel, Law enforcement, Dedicated Funds	Primary Agencies	Ongoing	CP
Tactic 2.2.2: Adjust suppression tactics to minimize wildfire impact on riparian areas when possible	KDF	USFS	Personnel and Equipment	State Funds, Federal Funding	Ongoing	CP
Tactic 2.2.3: Rehabilitate fire lines using applicable BMPs	KDF, USFS, EEC, KSP	NRCS	Personnel and Equipment	State Funds, Federal Funding	Ongoing	CP
Objective 2.3: Reduce the negative impact of urban and urban interface areas on water quality through the development and improvement of urban forests						
Performance Measure 1: Development of guidelines for urban forested riparian area management						
Performance Measure 2: Development of training program on riparian benefits on urban stormwater runoff.						
Performance Measure 3: iTree Hydro analysis of an urban watershed						

Issue 2: Water Quality and Quantity Strategy

Goal 2: Improve Kentucky water quality through the protection, enhancement, and restoration of forested riparian areas.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Performance Measure 4: Number of riparian tree plantings						
Tactic 2.3.1: Promote the development and use of science based guidelines for the development of forested riparian areas within the urban and interface landscape	KDF, USFS, KUCFC, KLC	NGOs	Personnel, Information, and Funding	State Funds, Federal Funding, Donations, Foundations	2015	CPE
Tactic 2.3.2: Pursue partnerships with urban watershed groups and state and federal agencies to develop and promote methods of establishing forested riparian areas and wetlands.	KDF, USFS, KUCFC, KLC	NGOs	Personnel, Information, and Funding	State Funds, Federal Funding, Donations, Foundations	2015	CPE
Tactic 2.3.3: Promote active management of urban interface forest resources.	KDF, USFS, KUCFC, KLC	NGOs	Personnel, Information, and Funding	State Funds, Federal Funding, Donations, Foundations	2015	CPE
Tactic 2.3.4: Create and provide training for public works and park departments on urban forest management and its beneficial impacts on urban stormwater runoff.	KDF, USFS, KUCFC, KLC	NGOs	Personnel, Information, and Funding	State Funds, Federal Funding, Donations, Foundations	2015	CPE
Tactic 2.3.5: Perform a pilot analysis of the iTree Hydro tool to quantify the benefits of riparian vegetation in urban areas.	KDF, USFS, KUCFC, KLC	NGOs	Personnel, Information, and Funding	State Funds, Federal Funding, Donations, Foundations	2015	CPE
Tactic 2.3.6: Encourage urban planting programs such as "Reforest the Bluegrass" to focus on riparian areas.	KDF, USFS, KUCFC, KLC	NGOs	Personnel, Information, and Funding	State Funds, Federal Funding, Donations, Foundations	2015	CPE

Issue 2: Water Quality and Quantity Strategy

Goal 3: Reduce the rate of variation in stream flow and volume with forestry practices.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 3.1: Minimize the conversion of forestland to non-forest uses.						
Performance Measure 1: Number of conservation easements						
Performance Measure 2: Number of acres converted from forest to another land use						
Tactic 3.1.1: Foster the availability and use of conservation easements.	FSA, NRCS, KSNPC, TNC	KDF, KDFWR	Funding, Personnel, Administration	Primary Agencies	2015	CPE
Tactic 3.1.2: Facilitate the development of revenue streams associated with Environmental Services provided by forestland.	FSA, NRCS, KSNPC, TNC, Chicago Climate Exchange	KDF, KDFWR, MACED	Funding, Personnel, Administration	Primary Agencies	2015	CPE
Objective 3.2: Encourage reforestation and afforestation						
Performance Measure 1: Number of conservation easements						
Performance Measure 2: Forestland tax credit legislation						
Performance Measure 3: Amount of cost-share funding available for forestation						
Performance Measure 4: Number of acres converted from another land use to forest						
Tactic 3.2.1: Foster the availability and use of conservation easements	FSA, NRCS, KSNPC, TNC	KDF, KDFWR	Funding, Personnel, Administration	Primary Agencies	2015	CPE
Tactic 3.2.2: Encourage the conversion to forestland through the development of a system of forestland tax credits	EEC	KWOA, KFIA, KDF, KRC, DOC, KFB, KDFWR, NRCS, KTFC, State Senators and Representatives	Collaborative lobby effort, Legislative bill	Primary Agency	July 2011	CPE
Tactic 3.2.3: Facilitate the development of revenue streams associated with ecosystem services provided by forestland	FSA, NRCS, KSNPC, TNC, Chicago Climate Exchange	KDF, KDFWR, MACED	Funding, Personnel, Administration	Primary Agencies	2015	CPE
Tactic 3.2.4: Pursue the development and funding of cost-share programs which encourage forestation	USFS, FSA, NRCS	KDF, KDFWR	Funding, cost-share	Federal	2015	CPE
Tactic 3.2.5: Encourage mine permit applicants to declare the Forestry Reclamation approach as their chosen reclamation method	DMRE, DAML, KDOW	KDF, UK, ARRI	Public Awareness	Primary and Partnering Agencies	2013	CE
Tactic 3.2.6: Maintain and improve the Kentucky Division of Forestry tree seedling nurseries' ability to provide quality seedlings of native tree species for reforestation and afforestation purposes.	KDF	DOC, USFS	Funds, Information	Federal Funds, State Funds, Research	2015	CE

Issue 2: Water Quality and Quantity Strategy

Goal 4: Improve Kentucky water quality through the protection, enhancement, and creation of forested wetlands.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 4.1: Increase acreage of forested wetlands						
Performance Measure 1: Number of forested wetland acres						
Tactic 4.1.1: Leverage funds and resources from governmental and non-governmental organizations to increase and protect forested wetlands	KDOW, KDFWR, KSNPC, TNC	USFS, KDF, ACE	Funding, Personnel, Administration, Mitigation lands	Wetland mitigation banks, FILO funds, Primary and Partnering Agencies, NGO's	2015	CPE
Tactic 4.1.2: Encourage the creation, restoration, enhancement, and protection of forested wetlands through cost-share programs	KDOW, KDFWR, KSNPC, TNC	USFS, KDF, NRCS	Funding, Personnel, Administration	Mississippi River Basin Healthy Watersheds Initiative, Wetland Reserve Program, Federal Funds	2013	CPE
Tactic 4.1.3: Encourage the incorporation of forested wetlands into urban stormwater planning and treatment.	KDF, USFS, KUCFC, KLC	NGOs	Funding, Personnel, Information	State Funds, Federal Funding, Donations, Foundations	2015	CPE
Tactic 4.1.4: Expand the use of conservation easement programs for the preservation of forested riparian zones in targeted areas.	FSA, NRCS, KSNPC, TNC	KDF, KDFWR, KDOW	Funding, Personnel, Administration	Primary Agencies	2015	CPE
Tactic 4.1.5: Encourage the construction or protection of forested wetlands for outdoor classrooms.	KDOW, KDFWR, KSNPC, TNC, Ky. Dept. of Education	KDF, NGOs, KSBA, Universities	Funding, Personnel, Administration, Public Awareness	State Funds, Federal Funding, Donations, Foundations	2013	CPE
Tactic 4.1.6: Promote wetland banking opportunities on prior converted farmland	KDOW, USDA	KDF, KDFWR	Funding, Personnel, Information	State Funds, Federal Funding	2013	CPE
Tactic 4.1.7: Promote opportunities for green-tree reservoir construction and revenue creation from the sale of hunting leases.	KDFWR	KDF, DOC, Usage Extension	Personnel and Information	Primary and Partnering Agencies	2012	CPE
Tactic 4.1.8: Target forested wetlands, particularly in the Big Rivers Forest Priority Area, for Forest Legacy acquisitions.	KDF, HLCF, TNC	KDFWR, KDOW	Personnel and Funding	Wetland mitigation banks, FILO funds, Primary and Partnering Agencies, NGO's, Mississippi River Basin Healthy Watersheds Initiative, Wetland Reserve Program, Federal Funds	Ongoing	CPE
Tactic 4.1.9: Promote carbon sequestration as an economic incentive to retain forested wetlands.	FSA, NRCS, KSNPC, TNC, Chicago Climate Exchange	KDF, KDFWR, MACED	Funding, Personnel, Administration	Primary Agencies	2015	CPE

Issue 2: Water Quality and Quantity Strategy

Goal 5: Increase the public awareness of the relationship between forestland use and water quality and quantity.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 5.1: Target appropriate messages and education to the forest industry.						
Performance Measure 1: Number of educational courses including water quality and quantity BMP implementation.						
Performance Measure 2: Number of demonstration projects showing the benefits of proper implementation.						
Tactic 5.1.1: Conduct targeted messaging on the need for and benefits of BMP implementation, and on the benefits of and need for forested riparian areas to landowners, loggers, and the general public.	KML, KDF	KDOW, KDFWR	Personnel and funding	Federal Funding, State Funds	2013	CP
Tactic 5.1.2: Increase efforts to raise loggers' awareness of the need to properly implement BMPs associated with streamside management zones.	KML, KDF	KDOW, KDFWR	Personnel and funding	Federal Funding, State Funds	2013	CP
Objective 5.2: Target appropriate messages and education to landowners and public officials.						
Performance Measure 1: Number of urban forest management demonstration projects						
Performance Measure 2: Development of educational materials						
Tactic 5.2.1: Increase urban homeowner education and awareness of the need for urban forest management	KLC, KDF	KDOW, KDFWR	Personnel and funding	Federal Funding, State Funds	2013	CP
Tactic 5.2.2: Develop and present educational materials to inform rural and urban landowners and public officials of the non-traditional revenue possibilities associated with forests.	KSNPC, TNC, UK Extension, Universities	KDF, KDFWR, MACED, FSA, NRCS	Funding, Administration, Personnel, Materials	Primary Agencies	2015	CPE
Tactic 5.2.3: Develop and present educational materials to inform landowners and public officials of the benefits of converting idle and marginal crop and pasture land to biomass and/or energy crop production.	KSNPC, TNC, UK Extension, Universities, DEDI	KDF, KDFWR, MACED, FSA, NRCS	Funding, Administration, Personnel, Materials	Primary Agencies	2015	CPE
Objective 5.3: Target appropriate messages and education to urban planners.						
Performance Measure 1: Number of meetings with urban planners and watershed organizations						
Tactic 5.3.1: Work with local urban watershed groups to educate community planners, zoning boards, public officials, and developers about the benefits and necessity of forested riparian areas and the detrimental effects of excessive stormwater run-off.	KLC, KDF	KDOW, KDFWR, Watershed Organizations, Urban Planners, NGOs	Personnel and funding	Federal Funding, State Funds	2013	CP
Tactic 5.3.2: Work with public works and parks departments to improve proper tree care and pro-active management.	KLC, KDF	KDOW, KDFWR, KDP, Local Communities, KUCFC, Tree Boards	Personnel and funding	Federal Funding, State Funds	2013	CP
Tactic 5.3.3: Promote the use of green infrastructure.	KLC, KDF, ADD	KDOW, KDFWR, City and County engineers	Personnel and funding, ordinance changes,	Federal Funding, State Funds	2013	CP

Issue 3: Forest Fragmentation and Loss Strategy

Goal 1: Reduce or minimize the impact of Forest Loss from Urban Development

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 1.1: Encourage urban planning that incorporates trees and forests within the urban areas and those on their periphery.						
Performance Measure 1: Twenty percent of urban areas will have Forest Canopy Assessments completed or in process by 2015.						
Performance Measure 2: Kentucky will acquire LiDAR technology						
Tactic 1.1.1: Assist Kentucky's urban areas in acquiring a GIS layer that identifies remaining forested blocks and riparian areas with existing urban area and within 20 mile radius of the city/community center.	COT	NKY-UCFC, KUCFC, KLC, KACo, NRCS, KDF, UK, APA-KY, KDOW, APHIS	Data layers, analysis, software, ground truth and inventory, hardware, LiDAR	Federal and State Funding, ESRI, Local and community governments, APHIS,	2015	CPE
Tactic 1.1.2: Assist funding of Forest Canopy Assessments	USFS, KDF	NRCS, KDOW	Grant writing	State and Federal Funding	2015	CPE
Tactic 1.1.3: Provide and/or promote the numerous "Community Cost Services" studies in Kentucky that have shown that residential development increases the cost of community services beyond what is generated by increases in residents/tax base.	KDF, DOC, FSA, KFB	Local communities	Existing Data/research	Farmland Trust, UK	2015	CP

Issue 3: Forest Fragmentation and Loss Strategy

Goal 2: Enhance and protect existing forested areas in the urban landscape.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 2.1: Assist communities in better managing their forested acres.						
Performance Measure 1: Increase the number of communities with new or updated tree inventories by 25%.						
Performance Measure 2: Increase the number of forest management plans performed by the division for communities by 30%.						
Tactic 2.1.1: Meet with officials from every urban area to promote our services the first year and every other year there after.	KDF	Urban planners and representatives	Personnel	KDF	2015	CPE
Tactic 2.1.2: Develop or modify the existing forest management plan templates to better suit urban forest situations.	KDF	USFS	Personnel	KDF	2015	CPE
Tactic 2.1.3: Promote the use tree inventory programs such as i-Tree to provide an assessment of the condition of the urban forest.	KDF, KUCFC, Tree Boards, KAA	USFS, NGOs	Personnel, Collaborative efforts	KDF, Urban Forestry Councils, USFS, NGOs	Ongoing	CPE
Tactic 2.1.4: Promote and train community volunteers to conduct tree inventories.	KDF, KUCFC, Urban Forestry Councils, Tree Boards, KAA	Universities, Neighborhood Associations, Consultants, NGOs	Personnel, Hardware	KDF, Urban Forestry Councils, USFS, NGOs	Ongoing	CPE
Tactic 2.1.5: Assist communities in acquiring grant funds for more comprehensive forest management plans.	KDF, ADDs, KUCFC, Urban Forestry Councils, Tree Boards	USFS	Personnel	Primary and partnering agencies	Ongoing	CPE
Tactic 2.1.6: Ensure that at least 50% of urban and community pass through grant funds are used for managing existing forest areas.	KDF	USFS	Personnel	KDF	Ongoing	CPE

Issue 3: Forest Fragmentation and Loss Strategy

Goal 3: Increase acres of traditional forests in urban areas

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 3.1: Increase the number of urban tree planting events.						
Performance Measure 1: Increase the number of urban acres reforested by 10% annually						
Tactic 3.1.1: Establish a public awareness campaign that promotes the economic and ecological benefits of urban forest areas and riparian buffers.	KDF, KDOW	DOC, NRCS, USFS, KLC, EPA	Personnel and funding	Primary Agencies, USFS, EPA	Ongoing	CPE
Tactic 3.1.2: Assist communities with tree seedling selection and layout.	KDF, KUCFC, Urban Forestry Councils, Tree Boards	NRCS, KDFWR	Personnel	KDF, NRCS, DOC, KDFWR	Ongoing	CPE
Tactic 3.1.3: Assist communities in their funding efforts.	KDF, KUCFC, Urban Forestry Councils, Tree Boards, ADDs	Local businesses, Arbor Day Foundation	Personnel and funding	USFS, State Funding	Ongoing	CPE
Tactic 3.1.4: Provide direct assistance during events.	KDF	KDOW, Local Orgs	Personnel	KDF, KDOW	Ongoing	CPE

Issue 3: Forest Fragmentation and Loss Strategy

Goal 4: Increase forest cover on mined land.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 4.1: Increase the number of acres reforested as part of mine reclamation.						
Performance Measure 1: Ten percent annual increase in the number of post mined acres reforested.						
Tactic 4.1.1: Promote ARRI and the Forestry Reclamation Approach for mine reclamation.	DMRE, DAML	KDF, KDFWR, NRCS, DOC, KDOW	Personnel and funding	Partnering agencies, non-profits	Ongoing	E
Tactic 4.1.2: Promote Forestry Reclamation Approach regarding new spoil regulation that minimize valley fills and requires spoil to be replaced or relocated to existing mine lands.	DMRE, DAML	KDF, KDFWR, NRCS, DOC, KDOW	Personnel and funding	Partnering agencies, non-profits	Ongoing	E
Tactic 4.1.3: Promote the inclusion of forested areas on post mine lands that are to be developed.	DMRE, DAML, Local Planners	KDF, KDFWR, NRCS, DOC, KDOW	Personnel and funding	Partnering agencies, non-profits	Ongoing	E
Tactic 4.1.4: Develop partnerships to reforest abandoned mine lands that are in herbaceous cover.	KDF, NRCS, KDFWR, DOC	KDF, KDFWR, NRCS	Personnel and funding	Primary and partnering agencies, non-profits	Ongoing	E

Issue 3: Forest Fragmentation and Loss Strategy

Goal 5: Reduce or minimize the impact of forest loss and fragmentation due to agricultural conversion.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 5.1: Promote the conversion of marginal agricultural lands for woody bio-mass production and/or reforestation for carbon credits.						
Performance Measure 1: Ten percent annual increase in the number of acres converted from FIA agricultural classification to forest classification						
Tactic 5.1.1: Continue to provide low cost seedlings through our nursery program.	KDF	KDFWR, NRCS, DAML, DMRE	Funding and personnel	State and Federal Funding	Ongoing	E
Tactic 5.1.2: State owned nurseries as necessary will increase production of native seedlings that are better suited for biomass production.	KDF	EEC	Funding and personnel	State and Federal Funding	Ongoing	E
Tactic 5.1.3: The division will develop tree planting service.	KDF	-	Funding and personnel	State and Federal Funding	Ongoing	E
Objective 5.2: Maximize the benefits of reforestation efforts.						
Performance Measure 1: Seventy-five percent of tree plantings will connect provide connectivity from one forested area to another and blend with the existing forested lands.						
Performance Measure 2: Fifty percent of planting cost share funds will be allocated for plantings in excess of 10 acres.						
Tactic 5.2.1: Prioritize cost share plantings based on size and connectivity from one forested area to another.	KDF	USFS, NRCS	Personnel, Collaborative efforts	State and Federal Funding	Ongoing	PE
Tactic 5.2.2: Establish targeted areas for cost-share plantings.	KDF	USFS, NRCS	Personnel, Collaborative efforts	State and Federal Funding	Ongoing	PE
Tactic 5.2.3: Promote tree plantings that better mimic natural regeneration.	KDF	USFS, NRCS	Personnel, Collaborative efforts	State and Federal Funding	Ongoing	PE
Objective 5.3: Minimize deforestation of forestlands for agricultural or herbaceous bio-mass production.						
Performance Measure 1: Ten percent decrease in the number of acres converted from FIA forestland classification to agricultural classification.						
Tactic 5.3.1: Work with lawmakers to provide incentives for woody bio-mass versus herbaceous bio-mass.	KDF, KWOA, KFIA	State and national senators and representatives, local governments, DEDI	Personnel, Collaborative efforts	State Funding, landowners, forest industry	Ongoing	CPE
Tactic 5.3.2: Work with partners to continue funding programs such as CREP and WRP that offset the loss of agricultural revenues to keep forested areas in trees.	KDF, NRCS	KDFWR, DOC	Personnel, Collaborative efforts	State and Federal Funding	Ongoing	CPE
Objective 5.4: Work with the Agricultural Water Quality Authority to promote or enhance BMP regulations that results in a change of farming practices that protect or restore forest areas.						
Performance Measure 1: Ten percent increase in forested buffer acres.						
Tactic 5.4.1: Increase fencing and/or tree planting riparian areas through cost share programs.	KDF, NRCS	DOC, KDOW	Funding	State and Federal Funding	Ongoing	CPE
Tactic 5.4.2: Reduce the number of acres that are currently in grass buffers to forest or shrub areas.	KDF, NRCS	DOC, KDOW	Funding	State and Federal Funding	Ongoing	CPE
Tactic 5.4.3: Develop incentives to maintain forested buffers.	KDF, NRCS	DOC, KDOW	Funding	State and Federal Funding	Ongoing	CPE

Issue 3: Forest Fragmentation and Loss Strategy

Goal 6: Increase acres of protected forestlands.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 6.1: Protect or assist in the protection of forestlands identified in the Forest Legacy Areas.						
Performance Measure 1: Number of acres protected via Forest Legacy Funds.						
Tactic 6.1.1: Work with partners to pool available acquisition funds to allow for the protection of large forested areas.	KDF, KDFWR, KSNPC, Parks, KDOW, Local Governments	HLCF, USFS, USFWS, KYTC	Funding and personnel	State and Federal Funding, Private foundations	Ongoing	CPE
Tactic 6.1.2: Provide oversight and guidance for the Forest Legacy process to ensure that priority projects selected will compete well Forest Legacy funding.	KDF	KDFWR, NGOs	Personnel, Collaborative efforts	State and Federal Funding	Ongoing	CPE
Objective 6.2: Use existing funding sources such as Kentucky Heritage Land Conservation Funds (HCLF) or other sources to protect forestlands.						
Performance Measure 1: Increase in forest acres protected with state funds						
Tactic 6.2.1: Work with partners to pool available acquisition funds to allow for the protection of large forested areas.	KDF, KDFWR, KSNPC, KDP, KDOW, Local Governments	HLCF, USFS, USFWS, KYTC	Funding and personnel	State, Federal, Private foundations	Ongoing	CPE
Tactic 6.2.2: Use state funds such as HLCF to acquire priority forestlands.	KDF	KDFWR, NGOs	Personnel, Collaborative efforts	State and Federal Funding	Ongoing	CPE
Objective 6.3: Protect forestlands through the Agricultural Districts Program.						
Performance Measure 1: Ten percent increase in forestlands enrolled in the Ag District Program.						
Tactic 6.3.1: Through public awareness make landowners aware that forestlands are considered agricultural lands and eligible for enrollment in the program.	KDF, DOC, UK Extension	NRCS, KACD	Funding and personnel, Published materials	State and Federal Funding	Ongoing	CPE
Objective 6.4: Expand funding mechanisms for forestland acquisition or conservation easements.						
Performance Measure 1: Twenty percent increase in funds available for forestland acquisition.						
Tactic 6.4.1: Support legislation that increases or creates new funding mechanism(s) to support land acquisition and/or conservation easements for forest and open lands.	State Senators and Representatives	KDF, KDFWR, KSNPC, KDP, DOW, NGOs, HLCF	Legislature, bill writing	Senators and Representatives with assistance from partners	Ongoing	CPE
Tactic 6.4.2: Explore idea of using bonds or low interest loans to bridge the funding gap for large projects. Bonds or loans would be paid off using agriculture or timber receipts generated from the property.	Kentucky Finance and Administration Cabinet	KDF, KDFWR, Parks, KSNPC, NGOs	Research	Kentucky Finance and Administration Cabinet	2015	CPE

Issue 3: Forest Fragmentation and Loss Strategy

Goal 7: Protect or minimize the impact of fragmentation on large forest blocks.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 7.1: Reduce forest fragmentation or minimize the impact of fragmentation caused by roads, utilities and other right of ways.						
Performance Measure 1: Ten percent reduction in forest land cleared for roads, utilities and other right of ways.						
Performance Measure 2: Ten percent increase in right of ways converted to naturalized vegetation.						
Tactic 7.1.1: Promote the expansion of existing right of ways versus creating new ones.	KDF, KDFWR, DOC, NRCS, USFWS	KYTC, Interface South, Urban Planners	Personnel, Collaborative efforts	Primary and Partnering Agencies	Ongoing	CPE
Tactic 7.1.2: Promote narrowing underground utility maintenance right of ways to allow overhead canopy closure.	KDF, KDFWR, DOC, NRCS, USFWS	Energy Companies, Utilities, City and County engineers	Personnel, Collaborative efforts	Primary Agencies	Ongoing	CPE
Tactic 7.1.3: Promote ROW naturalization for overhead ROW.	KDF, KDFWR, DOC, NRCS, USFWS	Energy Companies, Utilities, City and County engineers	Personnel, Collaborative efforts	Primary Agencies	Ongoing	CPE

Issue 4: Forest Management Strategy

Goal 1: Publicize the value of Kentucky's forest resources and the benefits of proper management.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 1.1: Develop a unified public communication plan to publicize the value of Kentucky's forests on a state and regional level.						
Performance Measure 1: Comprehensive forestry media campaign unified message and inventory of communication platforms by 2015.						
Performance Measure 2: Creation of Kentucky forest products brand by 2015.						
Performance Measure 3: Implement media campaign in Kentucky and surrounding region by 2015.						
Tactic 1.1.1: Develop a Kentucky Forestry Initiative to serve as the unifying message in the promotion of forest management	KDF, EEC, KWOA, UK Forestry	KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED, KTFC, USFS.	Funding for dedicated unified message and public relation program	Grants, Foundations, Federal, State, NGO	Ongoing	CPE
Tactic 1.1.2: Develop short and long-term forestry communication goals and engage professional communications specialists in helping to develop the message and assist in a forestry media campaign	KDF, UK Forestry, USFS	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Landowner Outreach, Extension Agents, USFS Outreach, SGSF Communications subcommittee	Personal Services Contracts, Memoranda of Agreement, Partnership Newsletters, Web sites	2015	E
Tactic 1.1.3: Inventory all existing forestry and forestry-allied communications and non-traditional partner platforms and work to incorporate the unified forestry messages in them	KDF, UK Forestry, USFS	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Landowner Outreach, Extension Agents, USFS Outreach, SGSF Communications subcommittee	Southern Region Extension Forestry, databases, Web sites, newsletters	2015	E
Tactic 1.1.4: Promote the development of a brand for Kentucky forest products	KFIA	KCED, KDAg, KDF, UK Agriculture	Marketing Specialists	KFIA and Partners	2015	E
Tactic 1.1.5: Promote the value and opportunities of Kentucky's forest resources to interested industries within and outside of Kentucky	KFIA	KCED, KDAg, KDF, National Hardwood Association	Marketing Specialists, Funding	Partner agencies and organizations	Ongoing	E
Tactic 1.1.6: Participate in region wide marketing of forest resources and of ecosystem services opportunities for private landowners	SGSF-SUM	KDF, SGSF, NASF, USFS, Research Foresters	Funding from USFS Region 8 Level	Forest Products Utilization Foresters, Management Foresters	Ongoing	E
Objective 1.2: Develop community-level forestry organizations to promote Kentucky's forests at a local level.						
Performance Measure 1: Number of local forestry organizations within the priority areas						
Performance Measure 2: Number of landowners participating in Forest Stewardship Program educational programs						
Performance Measure 3: Increase landowner participation in forest stewardship activities of publicly owned and privately owned forestlands by 10% over five years (based on 2008 baseline)						

Issue 4: Forest Management Strategy

Goal 1: Publicize the value of Kentucky's forest resources and the benefits of proper management.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.2.1: Promote Local Forestry Organizations statewide however ensuring local organizational activity in priority forest areas providing an avenue of information and education to the local and national level	UK Forestry, KWOA	KDF, KSU Extension, KACD, KFB, KDAg, NKY-UCFC, DOC	Funding for organizational needs and projects, committed community leaders	Federal Funding, local fund raising efforts	Ongoing	E
Tactic 1.2.2: Continue to promote the Forest Stewardship Program and cost sharing opportunities	KDF, NRCS	KSU's Minority Landowner Outreach Program, UK Extension, KACF, DOC, USFS	Program and Capacity Funding, Memoranda of Agreement with KACF, Forester positions funded by Federal Grants, DOC Contract Foresters	KDF, USFS, NRCS, DOC	Ongoing	CPE
Objective 1.3: Increase public education on forest management.						
Performance Measure 1: Development of a forestry education curriculum component for public education.						
Performance Measure 2: Number of demonstration forests on public lands.						
Tactic 1.3.1: Incorporate forestry education in the school system by aligning it with a core part of the curriculum and making it a component of teacher education	Kentucky Environmental Education Council	KDE, UK Forestry, KDF, KSU Extension	Unified message, Education of Teachers in Forestry Programs	Continuing Education Credits for Teachers from UK Forestry, Legislative support	2015	CPE
Tactic 1.3.2: Promote the creation of "Demonstration Forests" to showcase interactive rural and urban forest stewardship and to heighten public awareness	KDF, UK Forestry	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Service Foresters, Consulting Foresters, KWOA Members, UK Extension Agents; KDFWR Biologists, Community Parks and Recreational Managers and Arborists	State Forest, Wildlife Management Areas, Boy Scout Camps, ACE; Maywoods Research Forest, Robinson Forest, Raven Run, McConnell Springs	Ongoing	E

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Goal 1: Publicize the value of Kentucky's forest resources and the benefits of proper management.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.3.3: Utilize existing rural and urban demonstration forests in providing public education	KDF, UK Forestry	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Service Foresters, Consulting Foresters, KWOA Members, UK Extension Agents; KDFWR Biologists, Community Parks and Recreational Managers and Arborists	State Forest, Wildlife Management Areas, Boy Scout Camps, ACE; Maywoods Research Forest, Robinson Forest, Raven Run, McConnell Springs	Ongoing	E
Tactic 1.3.4: Address public information needs such as: economic impact of forestry for wood products and ecosystem services and demand for Kentucky wood products	UK Forestry	KCED, KY Commerce Cabinet, KWOA, KDF, KDAg, KSU Extension, KFIA, MACED, USFS Research	Personnel for data collection and analysis, Utilization Foresters for TPO surveys, Reporting requirements established	UK Forestry, KDF, USFS Research	2015	E
Tactic 1.3.5: Develop forestry information displays for various events or locations	KDF, UK Forestry, USFS	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Landowner Outreach, Extension Agents, USFS Outreach, SGSF Communications subcommittee, State Park Naturalists	KDF, USFS, NRCS, DOC	Ongoing	CPE
Objective 1.4: Recognize public and private forest management achievements.						
Performance Measure 1: First annual Forestry Action Forum held by 2015.						
Performance Measure 2: Awarding of Forest Stewardship Award and Tree Farmer of the Year Award annually.						
Tactic 1.4.1: Convene an Annual Forestry Action Forum to create an action plan and discuss partner accomplishments	KDF, UK Forestry	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Organization of a Kentucky Forest Resource Association	Partner agencies and organizations	Annual	E
Tactic 1.4.2: Publicly recognize recipients of the Outstanding Forest Steward Award and Tree Farmer of the Year Award and inform the public about their commitment to sustainable forest management	KDF	DOC, KTFC, KFIA, KACD	KACD Annual Meeting, KFIA Annual Meeting, Press Releases	KDF Forest Stewardship Program, KTFC	Annual	E
Tactic 1.4.3: Organization of a Kentucky Forest Resource Association	KDF, UK Forestry	EEC, KWOA, KSU Extension, KACF, KFIA, SAF-KY, KFHTF, MACED	Meetings, Steering Committees, Administration	Partner agencies and organizations	2015	E

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Goal 2: Promote the efficient, sustainable, and environmentally sound economic utilization of Kentucky's forest resources for forest products and environmental services.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 2.1: Promote the expansion of existing and development of new sustainable forest industries in Kentucky.						
Performance Measure 1: Number of new forestry industries of firms in Kentucky						
Tactic 2.1.1: Encourage the expansion of Kentucky's existing wood industry, concentrating on value-added industry, with mechanisms such as flexible financing opportunities, favorable insurance rates, market awareness, and tax incentives.	KCED	KDF, KFIA	Legislation and information	State funds, Grants, Federal funding	Ongoing	E
Tactic 2.1.2: Encourage economic development providers to assess the environmental, economic, and social impacts of proposed projects.	KCED	KDF, KFIA	Legislation, funding, and information	State and Federal Funding	Ongoing	E
Tactic 2.1.3: Supply technical assistance to individual industries, specific segments of the industry, local, state and federal agencies, and to the general public in the following areas: Product marketing, timber resource availability, manufacturing residue management and utilization, equipment analysis, timber harvesting analysis and individual mill efficiency analysis	KDF, USFS	USFS, SGSF-SUM	Personnel, funding, and materials	State funds, Grants, Federal funding	Ongoing	E
Tactic 2.1.4: Promote the development of incentives to support the development of all forest-related economies.	KDF, KFIA	KCED	Legislation, funding, and information	State and Federal Funding	2015	E
Tactic 2.1.5: Promote the value and opportunities of Kentucky's forest resources to interested industries within and outside of Kentucky.	KDF, USFS, KCED	USFS, SGSF-SUM, Surrounding states	Personnel, funding, and materials	State funds, Grants, Federal funding	Ongoing	E
Tactic 2.1.6: Continue involvement in region wide marketing of forest sector and facilitation of ecosystem services for private landowners.	KDF	USFS, SGSF-SUM	Travel and time	State funds, Federal funding	Ongoing	E
Objective 2.2: Promote the diversification of Kentucky's forest economy to ensure economic and environmental sustainability while increasing the quality and quantity of wood products.						
Performance Measure 1: Number of ecosystem service firms and amount of revenues						
Tactic 2.2.1: Promote tourism, outdoor recreation, biodiversity, clean air, clean water, wildlife habitat, and aesthetics.	KDT, KDFWR, EEC	KDF, NRCS, DOC	Funding, Promotional material	State funds, Grants, Federal funding	2012	CPE
Tactic 2.2.2: Promote new ecosystem services markets for carbon, water and biodiversity. Water quality credits sold to urban water utilities and industry polluters. Biodiversity credits for maintaining wildlife habitat sold to land developers adhering to Endangered Species Act.	KDF, MACED, UK, KCED	KDF, MACED, Kentucky Corn Growers Association, AgraGate, GreenTrees, Ducks Unlimited, Delta Institute, FORECON EcoMarket Solutions, Dogwood Carbon Solutions, UK Forestry, KCED, KDFWR, KDOW	Funding, Promotional material	State funds, Grants, Federal funding	2013	CPE

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Goal 2: Promote the efficient, sustainable, and environmentally sound economic utilization of Kentucky's forest resources for forest products and environmental services.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 2.2.3: Facilitate carbon market opportunities within rural and urban forests with known aggregators operating within the local area.	MACED, Kentucky Corn Growers Association, AgraGate, GreenTrees, Ducks Unlimited, Delta Institute, FORECON EcoMarket Solutions, Dogwood Carbon Solutions	Chicago Climate Exchange & other trading venues, KDF Stewardship Program, Forest Certification Agencies, UK Forestry	Information	Carbon aggregators and trading venues	2012	CPE
Objective 2.3: Promote the economic and environmental sustainability of Kentucky's forests for meeting renewable energy needs through certification systems, utilization of biomass, and monetizing of ecosystem services.						
Performance Measure 1: Number of landowners or acres of land with American Tree Farm Certification within priority areas						
Performance Measure 2: Number of landowners known to be engaged in the marketing of their ecosystem services within the priority areas.						
Tactic 2.3.1: Provide technical and financial assistance to private forest landowners who provide sustainable renewable resources for energy production from woody biomass and to the forest products industry. Obtain funding for additional division staff to provide this assistance.	EEC	KDF, KWOA, USFS, FSA Biomass Crop Assistance Program	Personnel and funding	State funds, Federal funding	2012	CPE
Tactic 2.3.2: Promote harvesting, biomass removal, and forest management practices that enhance the value and the sustainability of Kentucky's forest resources	KDF	KML, UK Forestry, KFIA, KWOA, FSA	Harvesting guideline development	Partnering agencies	2011	CPE
Tactic 2.3.3: Develop and promote environmentally sound rural and urban silviculture practices for biomass utilization to provide short term revenue and maximize long term forests management objectives in meeting the state's renewable energy needs	KDF	KML, UK Forestry, KFIA, KWOA, DEDI, DOC	Harvesting guideline development	Partnering agencies	2011	CPE
Tactic 2.3.4: Work to develop criteria for sustainable woody biomass.	KDF, DEDI	KFIA, UK Forestry, KWOA, Kentucky Executive Task Force on Biomass and Biofuels	Strategy Meetings	EEC	2011	CPE
Tactic 2.3.5: Promote opportunities for landowners and businesses to participate in the various certification systems	KDF	KFIA, Forest Certification Agencies, KWOA, UK Forestry, KCML, DOC, KACF	Funding, Promotional material	State funds, Federal funding, Grants	2011	CPE
Tactic 2.3.6: Continue to certify applicable forestlands that meet American Tree Farm System Standards in conjunction with the forest stewardship program to facilitate low cost certification for landowners and to meet industry needs of sustainable management and product lines	KDF	KFIA, KWOA, UK Forestry, KTFC, USFS, KACF	Technical Assistance, Personnel	American Tree Farm System (Limited funds); USFS, (Stewardship Funding)	Ongoing	CPE

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Goal 2: Promote the efficient, sustainable, and environmentally sound economic utilization of Kentucky's forest resources for forest products and environmental services.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 2.3.7: Facilitate carbon market opportunities from rural and urban forests with known aggregators	MACED, Kentucky Corn Growers Association, AgraGate, GreenTrees, Ducks Unlimited, Delta Institute, FORECON EcoMarket Solutions, Dogwood Carbon Solutions	Chicago Climate Exchange & other trading venues, KDF Stewardship Program, Forest Certification Agencies, UK Forestry	Information	Carbon aggregators and trading venues	2012	CPE
Objective 2.4: Maintain and improve partnerships and communications with other state and federal agencies.						
Performance Measure 1: Memoranda initiated between the KDF and other agencies.						
Performance Measure 2: Number of joint forestry initiatives between Kentucky and its neighboring states.						
Tactic 2.4.1: Pursue agreements with all state agencies that directly or indirectly affect forest resources to review and coordinate policies to ensure the viability of Kentucky's forest industry while protecting biodiversity, clean air, clean water, wildlife habitat, and outdoor recreation.	KDF	KYTC, KDFWR, Nature Preserves, NPS, USFS, DEP, DMRE, DAML, DOC	Memoranda of Agreement, Memoranda of Understanding	KDF and partners	2011	CPE
Tactic 2.4.2: Work with adjoining states in developing solutions for regional forest resource issues.	KDF	Forestry agencies of adjoining states	Personnel, Time, Travel Funding	State funding, Federal funding (Grants)	2011	CPE

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Goal 3: Enable private family forest owners to enhance their stewardship potential through technical and financial assistance.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 3.1: Provide the citizens of the Commonwealth information and education about the many environmental, social and economic benefits of managing the state's forests.						
Performance Measure 1: Number of acres of priority forests conserved and managed as "Working Forest Lands" and have actively been managed by partnerships and many stakeholders to mitigate major harm and threats to the forests in an effort to enhance the public benefits of the forest resource						
Performance Measure 2: Number of landowners and acres of land with new or revised stewardship management plans within priority areas						
Performance Measure 3: Number of new or revised Forest Stewardship Management Plans completed						
Performance Measure 4: Number of landowners and acres of land participating in the state' Forest Stewardship Incentives cost share program						
Performance Measure 5: Cumulative acres covered by current Forest Stewardship Management Plans						
Performance Measure 6: Cumulative acres in important forest resource areas covered by current Forest Stewardship Management Plans						
Performance Measure 7: Number of landowners receiving Forest Stewardship Program technical assistance						
Tactic 3.1.1: Provide and coordinate technical assistance to the citizens of the commonwealth through partnerships in implementing cost share programs:	KDF, NRCS	Conservation Stewardship Program (CSP), Conservation Reserve Program (CRP), Conservation Reserve Enhancement Program (CREP), Environmental Quality Incentive Program (EQIP), Conservation Reserve Enhancement Program (CREP), Wildlife Habitat Improvement Program (WHIP), Wetland Reserve Program (WRP), Landowner Incentive Program (LIP), Healthy Forests Reserve Program (HFRP), Biomass Crop Assistance Program (BCAP), Mississippi River Basin Initiative (MRBI), Forest Legacy Program	NRCS, USFS (Federal forestry incentives); State Funds (Technical Assistance)	Agency foresters, NRCS staff specialists, District Conservationist, KDFWR Biologists, Extension Agents	Ongoing	CPE
Tactic 3.1.2: Seek other opportunities to increase cost share for private landowners	KDF	NRCS, DOC, KDFWR USFWS, Wild Turkey Federation, Ducks Unlimited	Funding	Federal funding, State funding, Foundations	2015	CPE

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Goal 3: Enable private family forest owners to enhance their stewardship potential through technical and financial assistance.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 3.1.3: Obtain funding for the Kentucky Forest Conservation Act (KFCA)'s Stewardship Incentives Fund to be used for implementation of silvicultural practices	KDF	KWOA, KFIA	Development of Administrative Regulations for existing State Stewardship Incentive Funds, Improve efficiency of KFCA penalty collections	State Funds	2015	CPE
Tactic 3.1.4: Develop the administrative regulations for the state's Forest Stewardship Incentives Fund	KDF	EEC	State Cost Share	KFCA Civil Penalties	2015	CPE
Tactic 3.1.5: Continue with the Division of Forestry marking program for timber harvest and timber stand improvement practices	KDF	DOC, UK Extension	Personnel, DOC Contract Foresters, Technical Assistance	State and Federal funding	Ongoing	CPE
Objective 3.2: Enhance and increase forester capacity within the Division of Forestry and outside of the agency to meet landowner demand in providing forestry technical assistance and stewardship management plans entering into cost share and certification programs.						
Performance Measure 1: Number of forester positions or forestry technical service providers.						
Performance Measure 2: Number of new or revised Forest Stewardship Management Plans completed.						
Tactic 3.2.1: Continue contracting forester positions with Division of Conservation to provide forestry assistance for FEMA ice storm counties through local conservation offices	DOC	Stewardship Program	Personnel and Technical Assistance	Stewardship Program Ice Storm Recovery Funds - USFS	2011	CPE
Tactic 3.2.2: Obtain 50/50 cost sharing through a Cooperative Agreement for the Division of Forestry to obtain forester positions with Natural Resources Conservation Service.	NRCS, KDF	Stewardship Program	Personnel and Technical Assistance	NRCS and State Funds	2015	CPE
Tactic 3.2.3: Encourage the Kentucky NRCS staff to develop protocols and fund opportunities for forestry professionals within the state to operate as technical service providers	KACF	NRCS, FSA, USFS, Cost shares	Technical assistance and cost share to landowners	NRCS, FSA, USFS (Federal forestry incentives)	2015	CPE
Tactic 3.2.4: The Division of Forestry should continue to provide financial incentives in the Memorandum of Agreement with Kentucky Association of Consulting Foresters to target work in priority forest areas	Forest Stewardship Program	KACF	Memoranda of Agreement, Personal Service Contract	USFS Stewardship Program Funds	Ongoing	CPE
Tactic 3.2.5: Consider a federal grant proposal for employing Federally Funded Time Limited positions as foresters for priority forest areas to address lack of agency capacity	Forest Stewardship Program	USFS	Personnel and Technical Assistance	USFS	2015	CPE
Objective 3.3: Promote afforestation and reforestation opportunities within rural and urban interface areas.						
Performance Measure 1: Number of blight resistant American chestnut seedlings planted annually						
Performance Measure 2: Number of farms employing agroforestry techniques.						
Performance Measure 3: Number of trees planted in urban and rural landscapes.						

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Goal 3: Enable private family forest owners to enhance their stewardship potential through technical and financial assistance.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 3.3.1: Maintain the Division of Forestry Tree Nurseries ability to produce tree seedlings for afforestation, reforestation and mine reclamation to meet current and future demand	KDF	USFS, ARRI, KDFWR	Dedicated Nursery Program Funding Support (excluding stewardship)	USFS	Annually	CPE
Tactic 3.3.2: Work with The American Chestnut Foundation and the Kentucky Chapter of The American Chestnut Foundation to identify and propagate blight resistant American chestnut seedlings for planting.	ACCF, TACF, KDF	ARRI, UK Forestry	Kentucky Revised Statute 149.015; Funding	Other Foundations, State, Federal Project Funding	Ongoing	CPE
Tactic 3.3.3: Encourage and facilitate agroforestry techniques for developing riparian forest buffers	KDF	NRCS, DOC, UK Extension, KACF	Funding for personnel to provide technical assistance and cost share	NRCS (Cooperative Agreement with KDF) (Funding of Forestry TSP's); USFS (Grant for Federally Funded Time Limited Forester Positions)	Ongoing	CPE
Tactic 3.3.4: Encourage the use of native species in urban landscape plantings.	KNLA	KDF, UK Extension, KLC, KUCFC, KAA, KY-EPPC	Technical Assistance, Public Relations Campaigns, Funding for awareness projects	Foundation Funding, American Nursery and Landscaping Association	Ongoing	CPE
Tactic 3.3.5: Develop a list of regional approved contractors to improve efficiency and survivability for landowners seeking assistance in tree plantings.	KDF	KACF, NRCS, DOC	Directory of Tree Planting Vendors	KACF, NRCS, DOC, Secretary of State Business Records	Ongoing	E

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Goal 4: Establish and build local urban and community forestry programs.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 4.1: Enhance forest management and increase tree canopy coverage in communities and wildland-urban interface areas						
Performance Measure 1: Number of communities in Tree City USA® within the priority forest areas						
Performance Measure 2: Number of municipal and rural electric cooperatives are participating in Tree Line USA® within the priority forested area						
Performance Measure 3: Number of universities are participating in Tree Campus USA® within the priority forested area						
Performance Measure 4: Number of Firewise Communities are within the priority forested areas and number of mitigation practices have been accomplished						
Tactic 4.1.1: Continue outreach efforts to communities, nonprofit organizations, educational institutions and private landowners to promote proper urban forestry management	KDF	CAA, NKY-UCFC KUCFC, APA-KY, Kentucky Forestry Extension, NRCS	Funding for Personnel to provide technical assistance and fund Pass Through Grants to Kentucky's Communities	USFS Program Funding and Grants; Foundations, Social Networking, The "Kentucky Grove" Project	Ongoing	CPE
Tactic 4.1.2: Continue to promote Tree City USA®, Tree Campus USA®, and Tree Line USA® programs	KDF	KUCFC, NKY-UCFC	Promotional Outreach Materials, Personnel Funding	National Arbor Day Foundation, USFS Program Funding	Ongoing	CPE
Tactic 4.1.3: Ensure local community planners, local officials, and partners are aware of KRS 413.072 and other forestry related statutes	KDF	APA-KY, KUCFC, NKY-UCFC, KFIA	Outreach	KDF	2015	CPE
Tactic 4.1.4: Promote agroforestry in within municipal watersheds to maximize water quality and quantity through riparian buffer establishment.	KDF	NRCS, KDOW, DOC, UK Extension, KACF, KDAg	Technical Assistance, Outreach and Funding	USFS, NRCS, State	2015	CPE
Tactic 4.1.5: Promote urban forestry and agroforestry techniques that control storm water runoff, connect forest fragments and improve wildlife habitat	KDF	NRCS, KDOW, DOC, UK Extension, APA-KY, KDAg, KDFWR, NKY-UCFC	Technical Assistance, Outreach and Funding	USFS, NRCS, State	2015	CPE
Tactic 4.1.6: Work with communities in wildland fire prone areas to address risks of wildfire	KDF	USFS	Technical Assistance, Outreach and Funding	USFS, State	Ongoing	CPE
Objective 4.2: Provide urban forestry technical and financial assistance to interface citizens and local communities to maintain or enhance the social, economic and environmental benefits of community forests						
Performance Measure 1: Communities with inventories and management plans within the priority area						
Tactic 4.2.1: Continue to promote funding opportunities for local communities and nonprofit organizations for Division of Forestry urban forestry projects via USFS Urban and Community Forest "Pass through Grants"	USFS	NKY-UCFC, KUCFC	Funding of Urban and Community Forestry Pass Through Grants	USFS	Ongoing	CPE
Tactic 4.2.2: Assist communities in obtaining urban forestry resources critical in planning, management and sustainability of urban forests	KDF	USFS, NRCS, NKY-UCFC, KUCFC, UK Extension, CAA	Provide Funding for Technical Assistance and Urban and Community Forestry Pass Through Grants	USFS	Ongoing	CPE

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Goal 4: Establish and build local urban and community forestry programs.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 4.2.3: Continue to utilize urban forestry program specialists to enhance communities' internal capacity and knowledge for planning and managing urban forests	KDF	NKY-UCFC, KUCFC, UK Extension, KAA, APA-KY	Technical Assistance, Outreach and Funding	KDF, USFS	Ongoing	CPE
Tactic 4.2.4: Promote the use of vendors for conducting urban forest inventories to obtain data regarding tree species, quantities, and tree condition for development of urban forest health analysis and effective maintenance planning	KDF	NKY-UCFC, KUCFC, UK Extension, KAA	Informational and Promotional	Partnering Agencies and organizations	Ongoing	E
Tactic 4.2.5: Support tree boards with networking resources and leadership training	KDF	USFS, NKY-UCFC, KUCFC, UK Extension, KAA	Technical Assistance, Outreach and Funding	USFS (Funding)	Ongoing	E
Tactic 4.2.6: Continue to promote annual tree board seminar	KDF	USFS, NKY-UCFC, KUCFC, UK Extension, KAA	Technical Assistance, Outreach and Funding	USFS (Funding)	Annual	E
Tactic 4.2.7: Promote green infrastructure training and workshops with assistance from state universities for local planners	KDF, UK Forestry	USFS, NKY-UCFC, KUCFC, UK Extension, KAA, UK Horticulture, APA-KY	Technical Assistance, Outreach and Funding	UK Forestry, UK Horticulture; USFS Funding	2015	CPE
Tactic 4.2.8: Provide guidance to local communities in providing information for selection of trees best suited for planting site	KDF	NKY-UCFC, KUCFC, UK Extension, KAA, UK Horticulture	Technical Assistance and Funding	KDF, USFS (Funding)	Ongoing	CPE
Tactic 4.2.9: Encourage the public, landscape industry, and municipalities to utilize a diverse variety of proper tree species in urban plantings	KDF	NKY-UCFC, KUCFC, UK Extension, KAA, UK Horticulture	Technical Assistance, Outreach and Funding	KDF, USFS (Funding)	Ongoing	CPE
Tactic 4.2.10: Provide urban forestry training for arborists, city employees, utilities and others (e.g. Department of Transportation)	KDF, UK Horticulture	NKY-UCFC, KUCFC, UK Extension, KAA, APA-KY, KYTC, Utilities	Technical Assistance, Outreach and Funding	KDF, USFS (Funding)	2015	CPE
Tactic 4.2.11: Designate key Division of Forestry personnel within each district to become involved in local planning and zoning issues to provide technical assistance related to forest resources in local processes	KDF	APA-KY	Technical Assistance, Outreach and Funding	KDF, USFS (Funding)	2015	CPE
Tactic 4.2.12: Work with local planners related to Smart Growth issues	KDF, APA-KY	UL Urban and Public Affairs, APA-KY, USFS	Technical Assistance, Outreach and Funding	KDF, USFS (Funding)	2015	CPE
Tactic 4.2.13: Partner with communities in developing or updating their comprehensive plans	KDF	APA-KY	Technical Assistance, Outreach and Funding	KDF, USFS (Funding)	2015	CPE
Tactic 4.2.14: Promote and administer the Community Forest and Open Space Program for benefiting local communities and showcasing demonstration areas.	KDF	USFS, KUCFC	Funding of Urban and Community Forestry Pass Through Grants for Acquiring Land	USFS (Funding)	TBD due to Availability of Funds	CPE

Issue 4: Forest Management Strategy

Goal 5: Monitor forest management levels in Kentucky to identify trends, needs, benefits, and threats.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 5.1: Monitor the commonwealth's forests resource and management activities to ensure future sustainability and detect trends						
Performance Measure 1: Maintain a positive growth-to-removal ratio while utilizing available forest resources for environmental, economic, and social benefits for all Kentuckians						
Performance Measure 2: Increase the quality of Kentucky's forests based on distribution of tree grades as indicated in Kentucky's Forest Inventory and Analysis data						
Tactic 5.1.1: Continue to support and utilize the Forest Inventory and Analysis program as a foundation of data for management performance	KDF	USFS	Monitoring and Funding	USFS, State	Ongoing	CPE
Tactic 5.1.2: Continue statewide monitoring of forest health threats and prioritize threats for funding opportunities	KDF	KFHTF, UK Dept of Entomology, APHIS, KY-EPPC, SKH	Personnel and Funding	USFS, State	2011	CPE
Tactic 5.1.3: Support forest stewardship plan monitoring and implementation to meet national forest stewardship program guidelines	KDF	USFS	Monitoring and Funding	USFS, State	Ongoing	CPE
Tactic 5.1.4: Continue compile listings and publish Primary and Secondary Wood Industry directories.	KDF	UK Forestry, KFIA	Informational and Funding	State	Ongoing	E
Tactic 5.1.4: Continue to perform Timber Product Output (TPO) survey and Felled Tree Study	KDF	USFS	Informational and Funding	State	Ongoing	E
Tactic 5.1.5: Continue to monitor the removal and utilization of woody biomass	KDF	USFS, UK Forestry, DEDI	Monitoring and Funding	Federal, State	Ongoing	CPE
Tactic 5.1.6: Develop a means to assess the true economic impact of the forest industry on the economy of Kentucky.	UK Forestry	KCED, KDF, KFIA	Informational and Funding	Federal, State	2015	CPE

Issue 5: Funding Strategy

Goal 1: Provide sufficient and dedicated funding to ensure Kentucky's forests meet the diverse end-uses of its citizens through sustainable forest management.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Objective 1.1: Increase Federal Funding for Kentucky's forest resources						
Performance Measure 1: The amount of funding distributed to landowners by NRCS and FSA for forestry practices.						
Performance Measure 2: Percent increase of federal funding received by the KDF through the USFS compared to federal fiscal year 2010.						
Performance Measure 3: Amount of funding paid by NRCS to technical service providers for forestry practices.						
Performance Measure 4: Amount of federal funding received by the KDF not including the USFS						
Tactic 1.1.1: Implement strategies that position Kentucky agencies and landowners to qualify and receive all federal funding opportunities contained in the Farm Bill.	KDF, KDFWR, DOC	NRCS, FSA, USFS	Personnel, Collaborative efforts	Primary agencies & partners	Ongoing	CPE
Tactic 1.1.2: Work with traditional partners to promote increased funding for State and Private Forestry programs specific to Kentucky. Ensure KDF capacity to meet federal grant match requirements.	KDF	USFS, NASF, SGSF, DOC, NRCS, FSA, KDFWR, US Senators & Representatives, KWOA, KFIA, KFB	Personnel, Collaborative efforts	Primary agencies & partners	Ongoing	CPE
Tactic 1.1.3: Develop Partnerships to allow stronger qualifications for competitive funding.	KDF	NASF, SGSF, DOC, NRCS, FSA, KDFWR, Other states, KWOA, KFIA, NGOs, Universities	Personnel, Collaborative efforts, Memoranda of Agreement, Personal service contracts	Primary agencies & partners	Ongoing	CPE
Tactic 1.1.4: Work with NRCS to establish technical assistance partnerships through cooperative agreements and technical service provider opportunities.	KDF, NRCS	KDFWR, DOC, KACF,	Memoranda of Agreement	Primary agencies & partners	Ongoing	CPE
Tactic 1.1.5: Seek non-traditional federal partners for funding assistance	KDF	BLM, DHS, EPA, COE, DOD, USFS, DOE	Grants, Memoranda of Agreement, Memoranda of Understanding	Primary agencies & partners	Ongoing	CPE
Tactic 1.1.6: Promote Kentucky's role in renewable energy production from woody biomass to leverage funding opportunities for forest landowners.	KDF, DEDI, EEC	KCED, AgDB, KREC, DOE	Incentives	Primary agencies & partners	Ongoing	CPE
Tactic 1.1.7: Obtain federal funding to increase KDF capacity to assist forest landowners in managing their lands to enable them to qualify for federal programs.	KDF, EEC	USFS, NASF, SGSF, DOC, NRCS, FSA, KDFWR, US Senators & Representatives, KWOA, KFIA, KFB	Dedicated funding	Primary agencies & partners	Ongoing	CPE
Objective 1.2: Increase State Funding for Kentucky's forest resources.						
Performance Measure 1: Amount of state funds received for Kentucky Forest Stewardship Fund.						
Performance Measure 2: Percentage of fines collected under the provisions of the Kentucky Forest Conservation Act.						
Performance Measure 3: Amount of state funds distributed to forest landowners for the implementation of forestry practices.						
Performance Measure 4: Percent increase in state funds received by the KDF compared to state fiscal year 2010.						
Performance Measure 5: Percent increase in personnel by the KDF compared to state fiscal year 2010.						
Performance Measure 6: Percent increase in agency receipts by the KDF compared to state fiscal year 2010.						
Performance Measure 7: Incentives established to encourage landowners to retain and manage their forestland.						

Issue 5: Funding Strategy

Goal 1: Provide sufficient and dedicated funding to ensure Kentucky's forests meet the diverse end-uses of its citizens through sustainable forest management.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.2.1: Seek additional dedicated funding for the Kentucky Forest Stewardship Incentives fund.	KDF, EEC	State Senators & Representatives, KFIA, KWOA, KACF, UK Forestry, DOC, NGOs, KFB, AgDB, KDAg, OSBD	Dedicated funding	Primary agencies & partners	Ongoing	CPE
Tactic 1.2.2: Examine the current enforcement of Secretary's Final Orders through the Kentucky Forest Conservation Act to develop more effective protocols for the collection of fines.	KDF, EEC	KFIA, OLS, DAH	Personnel, Kentucky Revised Statutes, Kentucky Administrative Regulations	Primary agencies & partners	July 2011	CPE
Tactic 1.2.3: The KDF should promulgate regulations for the disbursement of funds contained in the Kentucky Forest Stewardship Incentives Fund.	KDF, EEC	OLS	Kentucky Administrative Regulations	Primary agencies & partners	July 2011	CPE
Tactic 1.2.4: The state should initiate a means for all Kentuckians to pay for forest conservation.	GOV, State Senators & Representatives	KDF, EEC, PVA, KFIA, KWOA, KACF, UK Forestry, DOC, NGOs, KFB, AgDB, KDAg, OSBD	Kentucky Revised Statutes	Primary agencies & partners	July 2012	CPE
Tactic 1.2.5: A Forest Resource Development Fund should be established by instituting a severance tax based on timber volume removed or on assessed stumpage or on delivered log value. Severance tax can be paid by the landowner and collected by the buyer, or paid by the severer, or paid by the manufacturer or shipper. Tax can be applied to woody biomass for energy production as well. Revenue generated should be dedicated to the KDF for forest resource conservation and enhancement on private lands.	GOV, State Senators & Representatives	KDF, EEC, PVA, KFIA, KWOA, KACF, UK Forestry, DOC, NGOs, KFB, AgDB, KDAg, OSBD	Kentucky Revised Statutes	Primary agencies & partners	Undetermined	CPE
Tactic 1.2.6: Evaluate public opinion towards a tax to support protection and management of the natural resources of Kentucky	TNC, EEC	USFWS, DOC, KDOW, KDF	Opinion Survey	Primary agencies & partners	Ongoing	CPE
Tactic 1.2.7: Increase the current timberland assessment of \$.02 per acre to fund KDF staffing needs.	GOV, State Senators & Representatives	KDF, EEC, PVA, KFIA, KWOA, KACF, UK Forestry, DOC, NGOs, KFB, AgDB, KDAg, KACo, OSBD	Kentucky Revised Statutes	Primary agencies & partners	July 2012	CPE
Tactic 1.2.8: Include funding to KDF for promotion for forest resource management when incentives for forest-based industry development are provided by the state.	GOV, State Senators & Representatives	KDF, DEDI, EEC, KCED, AgDB, KREC, OSBD	State funds	Primary agencies & partners	Ongoing	CPE
Tactic 1.2.9: Provide tax incentives for landowners to actively manage their forestland in a sustainable manner.	GOV, National and State Senators and Representatives	KDF, EEC, KFIA, KWOA, KACF, UK Forestry, DOC, KDFWR, NGOs, KFB, NASF, SGSF, IRS, KDR, OSBD	Kentucky Revised Statutes	Primary agencies & partners	Ongoing	CPE

Issue 5: Funding Strategy

Goal 1: Provide sufficient and dedicated funding to ensure Kentucky's forests meet the diverse end-uses of its citizens through sustainable forest management.

Tactics	Primary Agency or Program	Partnering Agencies or Programs	Resources		Time for Completion	National Priorities (Conserve, Protect, Enhance)
			Type	Source		
Tactic 1.2.10: Encourage the placement of forestland in Agricultural District. Land enrolled is eligible for differential assessment by the local Property Valuation Administrator.	DOC, PVA	KDF, KFB, KDAg	Kentucky Revised Statutes	Primary agencies & partners	Ongoing	CPE
Tactic 1.2.11: Encourage the Governor to establish a task force to make recommendations for forest management funding to private forestland owners. Explore funding mechanisms for KDF and incentives to improve landowners' participation. Include incentives and opportunities for economic enhancement for forest products industries.	GOV, EEC	KDF, KCED, KREC, DEDI, KFIA, KWOA, KACF, UK Forestry, DOC, KDFWR, NGOs, KFB, NASF, SGSF, IRS, KDR, OSBD	Kentucky Revised Statutes	Primary agencies & partners	July 2011	CPE
Tactic 1.2.12: Provide a dedicated portion of Kentucky sales tax to the KDF for forest conservation and enhancement.	GOV, State Senators & Representatives	KDF, KCED, KREC, DEDI, KFIA, KWOA, KACF, UK Forestry, DOC, KDFWR, NGOs, KFB, NASF, SGSF, KDR, OSBD	Kentucky Revised Statutes	Primary agencies & partners	July 2012	CPE
Tactic 1.2.13: Establish a non-profit organization that works only on the behalf of the Kentucky KDF.	KWOA, KFIA, KFB, NGO,	KDF, DOC	Federal and State tax code	Primary agencies & partners	Ongoing	CPE
Tactic 1.2.14: Ensure state mandates placed on KDF include staffing and funding necessary to carry out the mandate.	GOV, State Senators & Representatives	EEC	Kentucky Revised Statutes	Primary agencies & partners	Ongoing	CPE
Objective 1.3: Identify other funding opportunities						
Performance Measure 1: Amount of foundation funds received by landowners and the KDF for sustainable forest management.						
Performance Measure 2: Amount of funding received by landowners and the KDF from sources other than federal or state.						
Tactic 1.3.1: Seek private foundation funds for natural resource conservation projects.	NGO, KDF	Foundations	Grants, Memoranda of Agreement, Memoranda of Understanding	Primary agencies & partners	Ongoing	CPE
Tactic 1.3.2: The KDF should contract with a grant writer to identify all funding sources and apply for grants for KDF.	KDF	EEC	Grants	Primary agencies & partners	Ongoing	CPE
Tactic 1.3.3: The KDF should enter into partnerships with non-profit organizations who can provide additional funding for forest conservation and enhancement.	KDF	NGO	Grants, Memoranda of Agreement, Memoranda of Understanding	KDF	Ongoing	CPE