

V(A). Planned Program (Summary)

Program # 17

1. Name of the Planned Program

Sustainable Energy

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
122	Management and Control of Forest and Range Fires	25%			
123	Management and Sustainability of Forest Resources	25%			
124	Urban Forestry	25%			
125	Agroforestry	25%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	2.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
35000	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
81250	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Programs are designed to improve woodlot conditions and expand forest and non-timber product production and to increase knowledge and skill base for safe logging practices and promotion of a safe, efficient and profitable workplace.

Twelve million acres, or 79%, of West Virginia is forested. Over 80% of these forests are owned by 260,000 private individuals. Estimates are that only about 15% of these private forestland owners have been in contact with a forest resources professional. Given the crucial role that forests play in water quality issues and in the economic support of about \$4 billion they bring to the state, providing forestry education to these private landowners has the potential to facilitate sustainable forestry practices and improve the economic well-being of forestland owners. The Forestry Team is a group of Extension professionals working as a unit to develop programming in West Virginia to be used by individuals and organizations to improve their knowledge of forests and natural resources through education, demonstration, and research. Target audiences of Forestry Team projects include private forestland owners, forestry professionals, loggers, general public, and youth.

2. Brief description of the target audience

Foresters, government officials, consumers of wood products, commercial enterprises dealing with wood products

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	{NO DATA}	{NO DATA}	{NO DATA}	{NO DATA}
Actual	1785	18774	340	1000

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2010
 Plan:
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2010	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of training activities

Year	Target	Actual
2010	{No Data Entered}	15

Output #2

Output Measure

- Number of educational materials created or updated

Year	Target	Actual
2010	{No Data Entered}	21

Output #3

Output Measure

- Number of people receiving educational materials

Year	Target	Actual
2010	{No Data Entered}	20774

Output #4

Output Measure

- Number of new grants and contracts

Year	Target	Actual
2010	{No Data Entered}	3

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of participants who increased their knowledge
2	Number of participants who practiced new skills related to sustainable energy.

Outcome #1

1. Outcome Measures

Number of participants who increased their knowledge

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	{No Data Entered}	1785

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Twelve million acres, or 79%, of West Virginia is forested. Over 80% of these forests are owned by 260,000 private individuals. Estimates are that only about 15% of these private forestland owners have been in contact with a forest resources professional. Given the crucial role that forests play in water quality issues and in the economic support of about \$4 billion they bring to the state, providing forestry education to these private landowners has the potential to facilitate sustainable forestry practices and improve the economic well-being of forestland owners.

What has been done

Programs are designed to improve woodlot conditions and expand forest and non-timber product production and to increase knowledge and skill base for safe logging practices and promotion of a safe, efficient and profitable workplace.

Results

- * Youth learned how to control nuisance wildlife and other wildlife issues in their woodlots.
- * Participants gained knowledge of global forest resources.
- * WVDOF loggers gained knowledge related to recertification requirements.
- * Participants gained knowledge of timber management
- * Participants gained knowledge of non-timber forest products.
- * Participants gained knowledge of forestry, milling and biomass production.

4. Associated Knowledge Areas

KA Code	Knowledge Area
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources

124	Urban Forestry
125	Agroforestry

Outcome #2

1. Outcome Measures

Number of participants who practiced new skills related to sustainable energy.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	{No Data Entered}	890

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Twelve million acres, or 79%, of West Virginia is forested. Over 80% of these forests are owned by 260,000 private individuals. Estimates are that only about 15% of these private forestland owners have been in contact with a forest resources professional. Given the crucial role that forests play in water quality issues and in the economic support of about \$4 billion they bring to the state, providing forestry education to these private landowners has the potential to facilitate sustainable forestry practices and improve the economic well-being of forestland owners.

What has been done

The Forestry Team, a group of Extension professionals worked as a unit to develop programming in West Virginia to be used by individuals and organizations to improve their knowledge of forests and natural resources through education, demonstration, and research. Programs are designed to improve woodlot conditions and expand forest and non-timber product production and to increase knowledge and skill base for safe logging practices and promotion of a safe, efficient and profitable workplace.

Results

- * Participants adopted and implemented software tools.
- * Participants made changes to their harvesting and milling activities.

4. Associated Knowledge Areas

KA Code	Knowledge Area
122	Management and Control of Forest and Range Fires

123	Management and Sustainability of Forest Resources
124	Urban Forestry
125	Agroforestry

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Competing Programmatic Challenges

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Comparison between locales where the program operates and sites without program intervention

Evaluation Results

Key Items of Evaluation