

V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

Sustainable Energy

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	5%			
131	Alternative Uses of Land	35%			
401	Structures, Facilities, and General Purpose Farm Supplies	20%			
403	Waste Disposal, Recycling, and Reuse	35%			
608	Community Resource Planning and Development	5%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	1.0	0.0	0.0	0.0
Actual Paid Professional	0.1	0.0	0.0	0.0
Actual Volunteer	0.0	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
5374	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
22893	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1084	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Farm Energy Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Farm Energy Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
 - General Sustainable Energy Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - Home Energy Conservation (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)

2. Brief description of the target audience

- Agricultural Producers (Adult)
- General Public (Adult)

3. How was eXtension used?

- Limited staff membership and participation in communities if practice
- Access for information related Planned Programs
- Resources referred to customers and clients
- Participation in selected webinars sponsored by eXtension.
- Participation in selected professional development webinars sponsored by eXtension
- Identifying multi-state collaboration opportunities

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	330	45200	0	0

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

Patent Applications Submitted

Year: 2013
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2013	7

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2013	2

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Obtain an energy audit or conduct a self audit
2	Implement techniques to reduce energy consumption
3	Evaluate alternative sources of energy and act
4	Convert to non-fossil-based energy fuels
5	Decide not to convert to/install an inefficient new source of energy (example: installing a wind turbine in a poor location)
6	Research and evaluate novel energy production methods, and act accordingly
7	Make a decision to install or not install a novel energy production method
8	Reduce carbon footprint
9	Adopt sustainable living practices
10	Evaluate alternative sources of energy and act accordingly

Outcome #1

1. Outcome Measures

Obtain an energy audit or conduct a self audit

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

Outcome #2

1. Outcome Measures

Implement techniques to reduce energy consumption

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	158

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

Outcome #3

1. Outcome Measures

Evaluate alternative sources of energy and act

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Convert to non-fossil-based energy fuels

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	850

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

Outcome #5

1. Outcome Measures

Decide not to convert to/install an inefficient new source of energy (example: installing a wind turbine in a poor location)

Not Reporting on this Outcome Measure

Outcome #6

1. Outcome Measures

Research and evaluate novel energy production methods, and act accordingly

Not Reporting on this Outcome Measure

Outcome #7

1. Outcome Measures

Make a decision to install or not install a novel energy production method

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	125

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

Outcome #8

1. Outcome Measures

Reduce carbon footprint

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	867

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
131	Alternative Uses of Land
403	Waste Disposal, Recycling, and Reuse

Outcome #9

1. Outcome Measures

Adopt sustainable living practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	867

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
131	Alternative Uses of Land
403	Waste Disposal, Recycling, and Reuse

Outcome #10

1. Outcome Measures

Evaluate alternative sources of energy and act accordingly

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	125

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Programmatic Challenges
- Other (Climate Change)

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

- Retrospective (post program)
- Before- After (before and after program)
- During (during program)

Key Items of Evaluation