Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #1 - AgEMP Livestock Small Less Than 70 AU

Scenario Description:

Typical livestock operation has < 70 AU. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a small livestock operation with < 70 AU. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $1,617.10 **Scenario Cost/Unit:** $1,617.10

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	8	$354.40
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	14	$661.92
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	7	$563.71
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	1	$37.07

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #2 - AgEMP Livestock Medium 70 - 300 AU

Scenario Description:

Typical livestock operation has 70 - 300 AU. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a small livestock operation with 70-300 AU. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $2,115.74 **Scenario Cost/Unit:** $2,115.74

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	1.5	$55.61
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	12	$531.60
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	17	$803.76
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	9	$724.77

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #3 - AgEMP Livestock Large 301 - 2500 AU

Scenario Description:

Typical livestock operation has 301 - 2,500 AU. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a small livestock operation with 301-2,500 AU. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $2,600.34 **Scenario Cost/Unit:** $2,600.34

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	2	$74.14
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	12	$966.36
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	16	$708.80
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	18	$851.04

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #4 - AgEMP Livestock Extra Large Greater Than 2500 AU

Scenario Description:

Typical livestock operation has > 2,500 AU. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a small livestock operation with >2,500 AU. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $3,365.75 **Scenario Cost/Unit:** $3,365.75

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	2.5	$92.68
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	18	$797.40
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	20	$945.60
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	19	$1,530.07

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #5 - AgEMP Non-Livestock Single Enterprise

Scenario Description:

Typical single enterprise non-livestock operation - one enterprise as defined in the ASABE S612 on-farm energy audit standard. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation. An Agricultural Energy Mgmt CAP for Non-Livestock operations with one enterprise will be planned according to the ASABE S612 standard. Producer currently manages a single non-livestock operation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $2,688.97 **Scenario Cost/Unit:** $2,688.97

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	14	$1,127.42
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	21	$992.88
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	12	$531.60
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	1	$37.07

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #6 - AgEMP Non-Livestock Two Enterprises

Scenario Description:

Typical non-livestock operation with two enterprises as defined in the ASABE S612 on-farm energy audit standard. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for Non-Livestock operations (two enterprises) will be planned according to the ASABE S612 standard (e.g., greenhouse and maple syrup). Producer currently manages a non-livestock operation consisting of two enterprises. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $3,421.03 **Scenario Cost/Unit:** $3,421.03

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	17	$753.10
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	28	$1,323.84
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	16	$1,288.48
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	1.5	$55.61

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #7 - AgEMP Non-Livestock Three Enterprises

Scenario Description:

Typical non-livestock operation with three enterprises as defined in the ASABE S612 on-farm energy audit standard. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for Non-Livestock operations (three enterprises) will be planned according to the ASABE S612 standard (e.g., greenhouse, maple syrup, irrigated grain). Producer currently manages a non-livestock operation consisting of three enterprises. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $4,616.27 **Scenario Cost/Unit:** $4,616.27

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	25	$2,013.25
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	2	$74.14
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	24	$1,063.20
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	31	$1,465.68

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #8 - AgEMP 122 Livestock - Small < 70 AU plus 1 non-Livestock Enterprise

Scenario Description:

One non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with a small livestock operation with < 70 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with one non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $2,725.17 **Scenario Cost/Unit:** $2,725.17

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	13	$1,046.89
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	18	$851.04
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	2	$74.14
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	17	$753.10

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #9 - AgEMP 122 Livestock - Small < 70 AU plus 2 non-Livestock Enterprises

Scenario Description:

Two non-livestock enterprises as defined in the ASABE S612 on-farm energy audit standard in combination with a small livestock operation with < 70 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with two non-livestock enterprises will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $3,833.24 **Scenario Cost/Unit:** $3,833.24

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	3	$111.21
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	26	$1,151.80
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	22	$1,040.16
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	19	$1,530.07

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #10 - AgEMP 122 Livestock - Small < 70 AU plus 3 non-Livestock Enterprises

Scenario Description:

Three non-livestock enterprises as defined in the ASABE S612 on-farm energy audit standard in combination with a small livestock operation with < 70 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with three non-livestock enterprises will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $4,941.31 **Scenario Cost/Unit:** $4,941.31

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	26	$1,229.28
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	35	$1,550.50
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	25	$2,013.25
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	4	$148.28

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #11 - AgEMP 122 Livestock - Medium 70-300 AU plus 1 non-livestock enterprise

Scenario Description:

One non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with a medium livestock operation with 70-300 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with one non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $3,223.81 **Scenario Cost/Unit:** $3,223.81

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	2.5	$92.68
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	21	$930.30
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	21	$992.88
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	15	$1,207.95

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #12 - AgEMP 122 Livestock - Medium 70-300 AU plus 2 non-livestock enterprises

Scenario Description:

Two non-livestock enterprises as defined in the ASABE S612 on-farm energy audit standard in combination with a medium livestock operation with 70-300 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with two non-livestock enterprises will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $4,331.88 **Scenario Cost/Unit:** $4,331.88

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	21	$1,691.13
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	3.5	$129.75
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	30	$1,329.00
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	25	$1,182.00

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #13 - AgEMP 122 Livestock - Medium 70-300 AU plus 3 non-livestock enterprises

Scenario Description:

Three non-livestock enterprises as defined in the ASABE S612 on-farm energy audit standard in combination with a medium livestock operation with 70-300 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with three non-livestock enterprises will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $5,439.95 **Scenario Cost/Unit:** $5,439.95

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	27	$2,174.31
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	29	$1,371.12
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	4.5	$166.82
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	39	$1,727.70

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #14 - AgEMP 122 Livestock - Large 301-2500 AU plus 1 non-Livestock Enterprise

Scenario Description:

One non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with a large livestock operation with 301-2500 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with one non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $3,708.41 **Scenario Cost/Unit:** $3,708.41

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	3	$111.21
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	25	$1,107.50
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	22	$1,040.16
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	18	$1,449.54

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #15 - AgEMP 122 Livestock - Large 301-2500 AU plus 2 non-Livestock Enterprise

Scenario Description:

Two non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with a large livestock operation with 301-2500 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with two non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $4,816.48 **Scenario Cost/Unit:** $4,816.48

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	4	$148.28
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	24	$1,932.72
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	26	$1,229.28
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	34	$1,506.20

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #16 - AgEMP 122 Livestock - Large 301-2500 AU plus 3 non-Livestock Enterprise

Scenario Description:

Three non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with a large livestock operation with 301-2500 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with three non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $5,924.55 **Scenario Cost/Unit:** $5,924.55

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	5	$185.35
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	43	$1,904.90
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	30	$1,418.40
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	30	$2,415.90

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #17 - AgEMP 122 Livestock - Extra Large >2,500 AU plus 1 non-Livestock Enterprise

Scenario Description:

One non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with an extra large livestock operation with >2,500 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with one non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $4,473.82 **Scenario Cost/Unit:** $4,473.82

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	24	$1,134.72
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	25	$2,013.25
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	27	$1,196.10
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	3.5	$129.75

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #18 - AgEMP 122 Livestock - Extra Large >2,500 AU plus 2 non-Livestock Enterprise

Scenario Description:

Two non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with an extra large livestock operation with >2,500 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with two non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $5,581.89 **Scenario Cost/Unit:** $5,581.89

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	36	$1,594.80
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	28	$1,323.84
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	31	$2,496.43
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	4.5	$166.82

Practice: 122 - Agricultural Energy Management Plan-Headquarters (AgEMP)

Scenario: #19 - AgEMP 122 Livestock - Extra Large >2,500 AU plus 3 non-Livestock Enterprise

Scenario Description:

Three non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard in combination with an extra large livestock operation with >2,500 AU (The livestock operation may have mixed animal types) Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Natural Resource Concern: Energy Conservation

Before Situation:

Agricultural producer currently has minimal knowledge of and no plan for energy conservation . An Agricultural Energy Mgmt CAP for any type of livestock operation with three non-livestock enterprise will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer is willing to collaborate with a certified TSP to develop an AgEMP 122 CAP. The AgEMP is a grouping of conservation measures and management activities which, when implemented as part of a conservation system, will help to ensure that both production and natural resource protection goals are achieved. An AgEMP incorporates recommended measures to maximize energy conservation and efficiency. An EMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations. Associated Practices: 124 Agricultural Energy Management Plan - Landscape CAP, 374 Farmstead Energy Improvement, 670 Lighting System Improvement, 672 Building Envelope Improvement, or other applicable practices approved in the NRCS Field Office Technical Guide.

After Situation:

After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Headquarters" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for energy conservation and efficiency. The CAP plan may include recommendations for associated conservation practices which address energy conservation. The CAP meets the basic quality criteria for the 122 plan as cited in the NRCS Field Office Technical Guide.

Scenario Feature Measure: Number

Scenario Unit: Number

Scenario Typical Size: 1

Scenario Cost: $6,689.96 **Scenario Cost/Unit:** $6,689.96

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Labor						
CAP Labor, professional engineer	1297	Conservation Activity Plan labor to apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products. Cost associated with this component includes overhead and benefits (market price).	Hour	$80.53	37	$2,979.61
CAP Labor, Administrative Assistant	1739	Conservation Activity Plan labor involving routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	Hour	$37.07	5.5	$203.89
CAP Labor, Energy Auditor	1740	Conservation Activity Plan labor involving analyzing energy efficient measures and conducting energy audits of industrial areas and facilities.	Hour	$44.30	45	$1,993.50
CAP Labor, Manager	1603	Conservation Activity Plan labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$47.28	32	$1,512.96