

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	1
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Scenario Name	AgEMP 124 Non-Irrigated < 50 acres
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Scenario Description	Typical non-irrigated small cropping system with < 50 acres.
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Before Practice 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.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$1,659.61	\$1,659.61
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$1,659.61	\$1,659.61

Cost Details:

Cost Category
Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	15.5	\$682.31
Cap Labor, Energy Auditor	Hour	\$42.99	12	\$515.88
Cap Labor, Administrative Assistant	Hour	\$35.61	1.5	\$53.42
Cap Labor, Conservation Scientist	Hour	\$51.00	8	\$408.00
			37	\$1,659.61

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	2
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Scenario Name	AgEMP 124 Non-Irrigated 50-499 acres
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Scenario Description	Typical non-irrigated medium cropping operation with 50-499 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a medium non-irrigated operation with 50-499 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for non-irrigated crops farmed on 50-499 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy useage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$2,106.79	\$2,106.79
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$2,106.79	\$2,106.79

Cost Details:

Cost Category

Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	20	\$880.40
Cap Labor, Energy Auditor	Hour	\$42.99	14	\$601.86
Cap Labor, Administrative Assistant	Hour	\$35.61	2.5	\$89.03
Cap Labor, Conservation Scientist	Hour	\$51.00	10.5	\$535.50
			47	\$2,106.79

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	3
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Scenario Name	AgEMP 124 Non-Irrigated 500-4,999 acres
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Scenario Description	Typical non-irrigated large cropping operation with 500-5,000 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a large non-irrigated operation with 500-5,000 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for non-irrigated crops farmed on 500-5,000 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy useage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$2,571.10	\$2,571.10
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$2,571.10	\$2,571.10

Cost Details:

Cost Category

Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	22	\$968.44
Cap Labor, Energy Auditor	Hour	\$42.99	17	\$730.83
Cap Labor, Administrative Assistant	Hour	\$35.61	3	\$106.83
Cap Labor, Conservation Scientist	Hour	\$51.00	15	\$765.00
			57	\$2,571.10

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	4
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Scenario Name	AgEMP 124 Non-Irrigated >5,000 acres
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Scenario Description	Typical non-irrigated extra large cropping operation with >5,000 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a extra large non-irrigated operation with >5,000 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for non-irrigated crops farmed on >5,000 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy useage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$3,338.37	\$3,338.37
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$3,338.37	\$3,338.37

Cost Details:

Cost Category

Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	28	\$1,232.56
Cap Labor, Energy Auditor	Hour	\$42.99	22	\$945.78
Cap Labor, Administrative Assistant	Hour	\$35.61	2.5	\$89.03
Cap Labor, Conservation Scientist	Hour	\$51.00	21	\$1,071.00
			73.5	\$3,338.37

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	National
Discipline Group	Conservation Activity Plans
Practice Code/Name	124 - Ag EMP Landscape Plan CAP
Scenario ID	5
Scenario Name	AgEMP 124 Irrigated < 50 acres

Scenario Description	Typical irrigated small cropping system with < 50 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a extra large non-irrigated operation with >5,000 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for non-irrigated crops farmed on >5,000 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy useage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
Scenario Unit	Each
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$2,566.86	\$2,566.86
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$2,566.86	\$2,566.86

Cost Details:

Cost Category					
Labor	Name of Item	Unit	Cost/Unit	Number	Item Cost
	Cap Labor, Manager	Hour	\$44.02	28	\$1,232.56
	Cap Labor, Energy Auditor	Hour	\$42.99	12	\$515.88
	Cap Labor, Administrative Assistant	Hour	\$35.61	1.5	\$53.42
	Cap Labor, Conservation Scientist	Hour	\$51.00	15	\$765.00
				56.5	\$2,566.86

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	6
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Scenario Name	AgEMP 124 Irrigated 50-499 acres
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Scenario Description	Typical irrigated medium cropping operation with 50-499 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a medium irrigated operation with 50-499 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for irrigated crops farmed on 50-499 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy usage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$3,410.62	\$3,410.62
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$3,410.62	\$3,410.62

Cost Details:

Cost Category

Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	38	\$1,672.76
Cap Labor, Energy Auditor	Hour	\$42.99	17	\$730.83
Cap Labor, Administrative Assistant	Hour	\$35.61	2.5	\$89.03
Cap Labor, Conservation Scientist	Hour	\$51.00	18	\$918.00
			75.5	\$3,410.62

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	7
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Scenario Name	AgEMP 124 Irrigated 500-5,000 acres
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Scenario Description	Typical irrigated large cropping operation with 500-5,000 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a large irrigated operation with 500-5,000 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for irrigated crops farmed on 500-5,000 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy usage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$4,411.11	\$4,411.11
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$4,411.11	\$4,411.11

Cost Details:

Cost Category

Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	42	\$1,848.84
Cap Labor, Energy Auditor	Hour	\$42.99	25.5	\$1,096.25
Cap Labor, Administrative Assistant	Hour	\$35.61	2.5	\$89.03
Cap Labor, Conservation Scientist	Hour	\$51.00	27	\$1,377.00
			97	\$4,411.11

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
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Region	National
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Discipline Group	Conservation Activity Plans
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Practice Code/Name	124 - Ag EMP Landscape Plan CAP
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Scenario ID	8
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Scenario Name	AgEMP 124 Irrigated >5,000 acres
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Scenario Description	Typical irrigated extra large cropping operation with >5,000 acres.
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Before Practice Situation	Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a extra large irrigated operation with >5,000 acres. Producer is willing to collaborate with a certified TSP to develop an AgEMP 124 CAP (on-farm energy audit). Participant to obtain an AgEMP by a certified Technical Service Provider, in accordance with ASABE S612, July 2009, for irrigated crops farmed on >5,000 acres. The purpose of this AgEMP is to provide the producer with specific recommendations for increasing energy efficiency and reducing energy use for each major cropping activity on the farm. The AgEMP is to provide estimates of energy savings for the landscape operations and does not include the headquarter operations. Energy useage may include, but is not limited to: irrigation pumping; manure collection and land application; agricultural practices (i.e., on-farm-use of mobile agricultural equipment). An AgEMP is developed to assist an owner/operator in meeting all applicable local, tribal, State, and Federal water quality goals or regulations.
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After Practice Situation	After EQIP contract approval, participant has obtained services from a certified TSP for development of the "Agricultural Energy Management - Landscape" 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 124 plan as cited in the NRCS Field Office Technical Guide.
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Scenario Feature Measure	Each
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Scenario Unit	Each
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Scenario Typical Size	1
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Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$0.00	\$0.00
Labor	\$4,953.99	\$4,953.99
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$4,953.99	\$4,953.99

Cost Details:

Cost Category

Labor

Name of Item	Unit	Cost/Unit	Number	Item Cost
Cap Labor, Manager	Hour	\$44.02	46	\$2,024.92
Cap Labor, Energy Auditor	Hour	\$42.99	26.5	\$1,139.24
Cap Labor, Administrative Assistant	Hour	\$35.61	3	\$106.83
Cap Labor, Conservation Scientist	Hour	\$51.00	33	\$1,683.00
			108.5	\$4,953.99