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|---------------------------|---------------|---|-----------------------------|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Mixed Enterprises |

Cost Data

| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Mixed Enterprises | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--------|------------|-------------------|-----------|-------------------------------------|------|---------|---|---------|---------------------------|------|---------|---|----------|--------------------|------|---------|---|----------|----------------------------------|------|---------|---|----------|--|--|--|----|------------|--|--|--|--|--|
| Natural Resource Concern: | <u>Energy Conservation</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resource Setting: | Typical mixed livestock+non-livestock operation with one non-livestock enterprise as defined in the ASABE S612 on-farm energy audit standard. This scenario may be used to incorporate up to three non-livestock enterprises with a livestock enterprise. Labor and acquisition of technical knowledge figures represent one non-livestock enterprise and should be multiplied by the number of non-livestock enterprises (up to three non-livestock enterprises allowed) and ADDED to one of the livestock scenarios. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Before Practice 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 additional enterprise (maximum of three) will be planned according to the ASABE S612 standard (e.g., broiler and greenhouse). Producer currently manages a mixed operation consisting of one livestock enterprise and one non-livestock enterprise. 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| After Practice 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geographic Area: | US States and Territories | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit for Cost Estimate: | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Practice Life (Years): | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Discount Rate (%/Year): | 5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Cost/Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materials | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment/Installation | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor | | | | | \$1,062.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Additional TSP time to develop Agricultural Energy CAP for any size non-livestock operation for each additional enterprise; a maximum of 3 additional non-livestock enterprises may be planned. Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Name of Item</th> <th>Unit</th> <th>Cost/Unit</th> <th>Number</th> <th>Item Cost</th> </tr> </thead> <tbody> <tr> <td>CAP Labor, Administrative Assistant</td> <td>Hour</td> <td>\$35.61</td> <td>1</td> <td>\$35.61</td> </tr> <tr> <td>CAP Labor, Energy Auditor</td> <td>Hour</td> <td>\$42.99</td> <td>9</td> <td>\$386.91</td> </tr> <tr> <td>CAP Labor, Manager</td> <td>Hour</td> <td>\$44.02</td> <td>4</td> <td>\$176.08</td> </tr> <tr> <td>CAP Labor, professional engineer</td> <td>Hour</td> <td>\$77.36</td> <td>6</td> <td>\$464.16</td> </tr> <tr> <td></td> <td></td> <td></td> <td>20</td> <td>\$1,062.76</td> </tr> </tbody> </table> | Name of Item | Unit | Cost/Unit | Number | Item Cost | CAP Labor, Administrative Assistant | Hour | \$35.61 | 1 | \$35.61 | CAP Labor, Energy Auditor | Hour | \$42.99 | 9 | \$386.91 | CAP Labor, Manager | Hour | \$44.02 | 4 | \$176.08 | CAP Labor, professional engineer | Hour | \$77.36 | 6 | \$464.16 | | | | 20 | \$1,062.76 | | | | | |
| Name of Item | Unit | Cost/Unit | Number | Item Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Administrative Assistant | Hour | \$35.61 | 1 | \$35.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Energy Auditor | Hour | \$42.99 | 9 | \$386.91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Manager | Hour | \$44.02 | 4 | \$176.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, professional engineer | Hour | \$77.36 | 6 | \$464.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 20 | \$1,062.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobilization | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Risk | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Administration & Permit Costs | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cost Estimate: | | | | | \$1,062.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---------------------------|----------------------|---|-------------------------------------|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Livestock - Small < 70 AU |

Cost Data

| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Livestock - Small < 70 AU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--------|------------|--------|-----------|-------------------------------------|------|---------|---|---------|---------------------------|------|---------|---|----------|--------------------|------|---------|----|----------|----------------------------------|------|---------|---|----------|--|--|--|----|------------|--|
| Natural Resource Concern: | Energy Conservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resource Setting: | Typical livestock operation has < 70 AU. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| After Practice 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geographic Area: | US States and Territories | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit for Cost Estimate: | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Practice Life (Years): | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Discount Rate (%/Year): | 5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Cost/Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materials | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment/Installation | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor | | \$1,537.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Name of Item</th> <th>Unit</th> <th>Cost/Unit</th> <th>Number</th> <th>Item Cost</th> </tr> </thead> <tbody> <tr> <td>CAP Labor, Administrative Assistant</td> <td>Hour</td> <td>\$35.61</td> <td>1</td> <td>\$35.61</td> </tr> <tr> <td>CAP Labor, Energy Auditor</td> <td>Hour</td> <td>\$42.99</td> <td>8</td> <td>\$343.92</td> </tr> <tr> <td>CAP Labor, Manager</td> <td>Hour</td> <td>\$44.02</td> <td>14</td> <td>\$616.28</td> </tr> <tr> <td>CAP Labor, professional engineer</td> <td>Hour</td> <td>\$77.36</td> <td>7</td> <td>\$541.52</td> </tr> <tr> <td></td> <td></td> <td></td> <td>30</td> <td>\$1,537.33</td> </tr> </tbody> </table> | Name of Item | Unit | Cost/Unit | Number | Item Cost | CAP Labor, Administrative Assistant | Hour | \$35.61 | 1 | \$35.61 | CAP Labor, Energy Auditor | Hour | \$42.99 | 8 | \$343.92 | CAP Labor, Manager | Hour | \$44.02 | 14 | \$616.28 | CAP Labor, professional engineer | Hour | \$77.36 | 7 | \$541.52 | | | | 30 | \$1,537.33 | |
| Name of Item | Unit | Cost/Unit | Number | Item Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Administrative Assistant | Hour | \$35.61 | 1 | \$35.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Energy Auditor | Hour | \$42.99 | 8 | \$343.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Manager | Hour | \$44.02 | 14 | \$616.28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, professional engineer | Hour | \$77.36 | 7 | \$541.52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 30 | \$1,537.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobilization | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation & Maintenance (Annual) | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acquisition of Technical Knowledge | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forgone Income (Annual) | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Risk | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Administration & Permit Costs | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cost Estimate: | | \$1,537.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---------------------------|---------------|---|---|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Livestock - Medium 70 -300 AU |

Cost Data

| | | | | | |
|---|--|---|------------------|---------------|-------------------|
| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Livestock - Medium 70-300 AU | | | |
| Natural Resource Concern: | Energy Conservation | | | | |
| Resource Setting: | Typical livestock operation has 70 - 300 AU. | | | | |
| Before Practice Situation: | Agricultural producer currently has minimal knowledge of and no plan for energy conservation. Producer currently manages a small livestock operation with 70-300 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. | | | | |
| After Practice 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. | | | | |
| 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. | | | | |
| Geographic Area: | US States and Territories | | | | |
| Unit for Cost Estimate: | No | | | | |
| Practice Life (Years): | 1 | | | | |
| Discount Rate (%/Year): | 5% | | | | |
| | | | | | Cost/Unit |
| Materials | | | | | \$0.00 |
| Not Applicable | | | | | |
| Equipment/Installation | | | | | \$0.00 |
| Not Applicable | | | | | |
| Labor | | | | | \$2,013.88 |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | |
| | <u>Name of Item</u> | <u>Unit</u> | <u>Cost/Unit</u> | <u>Number</u> | <u>Item Cost</u> |
| | CAP Labor, Administrative Assistant | Hour | \$35.61 | 1.5 | \$53.42 |
| | CAP Labor, Energy Auditor | Hour | \$42.99 | 12 | \$515.88 |
| | CAP Labor, Manager | Hour | \$44.02 | 17 | \$748.34 |
| | CAP Labor, professional engineer | Hour | \$77.36 | 9 | \$696.24 |
| | | | | 39.5 | \$2,013.88 |
| Mobilization | | | | | \$0.00 |
| Not Applicable | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 |
| Not Applicable | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Risk | | | | | \$0.00 |
| Not Applicable | | | | | |
| Administration & Permit Costs | | | | | \$0.00 |
| Not Applicable | | | | | |
| Total Cost Estimate: | | | | | \$2,013.88 |

| | | | |
|---------------------------|---------------|---|---|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Livestock - Large 301-2500 AU |

Cost Data

| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Livestock - Large 301-2,500 AU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--------|------------|-------------------|-----------|-------------------------------------|------|---------|---|---------|---------------------------|------|---------|----|----------|--------------------|------|---------|----|----------|----------------------------------|------|---------|----|----------|--|--|--|----|------------|--|--|--|--|--|
| Natural Resource Concern: | Energy Conservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resource Setting: | Typical livestock operation has 301 - 2,500 AU. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Before Practice 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Geographic Area: | US States and Territories | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit for Cost Estimate: | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Practice Life (Years): | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Discount Rate (%/Year): | 5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Cost/Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materials | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment/Installation | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor | | | | | \$2,479.74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Name of Item | Unit | Cost/Unit | Number | Item Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Administrative Assistant | Hour | \$35.61 | 2 | \$71.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Energy Auditor | Hour | \$42.99 | 16 | \$687.84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Manager | Hour | \$44.02 | 18 | \$792.36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, professional engineer | Hour | \$77.36 | 12 | \$928.32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 48 | \$2,479.74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobilization | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Risk | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Administration & Permit Costs | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cost Estimate: | | | | | \$2,479.74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---------------------------|----------------------|---|---------------------------------------|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Livestock - XLarge >2500 AU |

Cost Data

| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Livestock - Extra Large >2,500 AU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--------|------------|-------------------|-----------|-------------------------------------|------|---------|-----|---------|---------------------------|------|---------|----|----------|--------------------|------|---------|----|----------|----------------------------------|------|---------|----|------------|--|--|--|------|------------|--|--|--|--|--|
| Natural Resource Concern: | Energy Conservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resource Setting: | Typical livestock operation has > 2,500 AU. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Before Practice 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| After Practice 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geographic Area: | US States and Territories | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit for Cost Estimate: | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Practice Life (Years): | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Discount Rate (%/Year): | 5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Cost/Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materials | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment/Installation | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor | | | | | \$3,213.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Name of Item</th> <th>Unit</th> <th>Cost/Unit</th> <th>Number</th> <th>Item Cost</th> </tr> </thead> <tbody> <tr> <td>CAP Labor, Administrative Assistant</td> <td>Hour</td> <td>\$35.61</td> <td>2.5</td> <td>\$89.03</td> </tr> <tr> <td>CAP Labor, Energy Auditor</td> <td>Hour</td> <td>\$42.99</td> <td>18</td> <td>\$773.82</td> </tr> <tr> <td>CAP Labor, Manager</td> <td>Hour</td> <td>\$44.02</td> <td>20</td> <td>\$880.40</td> </tr> <tr> <td>CAP Labor, professional engineer</td> <td>Hour</td> <td>\$77.36</td> <td>19</td> <td>\$1,469.84</td> </tr> <tr> <td></td> <td></td> <td></td> <td>59.5</td> <td>\$3,213.09</td> </tr> </tbody> </table> | Name of Item | Unit | Cost/Unit | Number | Item Cost | CAP Labor, Administrative Assistant | Hour | \$35.61 | 2.5 | \$89.03 | CAP Labor, Energy Auditor | Hour | \$42.99 | 18 | \$773.82 | CAP Labor, Manager | Hour | \$44.02 | 20 | \$880.40 | CAP Labor, professional engineer | Hour | \$77.36 | 19 | \$1,469.84 | | | | 59.5 | \$3,213.09 | | | | | |
| Name of Item | Unit | Cost/Unit | Number | Item Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Administrative Assistant | Hour | \$35.61 | 2.5 | \$89.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Energy Auditor | Hour | \$42.99 | 18 | \$773.82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, Manager | Hour | \$44.02 | 20 | \$880.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAP Labor, professional engineer | Hour | \$77.36 | 19 | \$1,469.84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 59.5 | \$3,213.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobilization | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Risk | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Administration & Permit Costs | | | | | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cost Estimate: | | | | | \$3,213.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---------------------------|---------------|---|---|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Non-Livestock - Single Enterprise |

Cost Data

| | | | | | |
|---|---|--|------------------|---------------|-------------------|
| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Non-Livestock - Single Enterprise | | | |
| Natural Resource Concern: | Energy Conservation | | | | |
| Resource Setting: | Typical single enterprise non-livestock operation - one enterprise as defined in the ASABE S612 on-farm energy audit standard | | | | |
| Before Practice 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. | | | | |
| After Practice 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. | | | | |
| 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. | | | | |
| Geographic Area: | US States and Territories | | | | |
| Unit for Cost Estimate: | No | | | | |
| Practice Life (Years): | 1 | | | | |
| Discount Rate (%/Year): | 5% | | | | |
| | | | | | Cost/Unit |
| Materials | | | | | \$0.00 |
| Not Applicable | | | | | |
| Equipment/Installation | | | | | \$0.00 |
| Not Applicable | | | | | |
| Labor | | | | | \$2,558.95 |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | |
| | <u>Name of Item</u> | <u>Unit</u> | <u>Cost/Unit</u> | <u>Number</u> | <u>Item Cost</u> |
| | CAP Labor, Administrative Assistant | Hour | \$35.61 | 1 | \$35.61 |
| | CAP Labor, Energy Auditor | Hour | \$42.99 | 12 | \$515.88 |
| | CAP Labor, Manager | Hour | \$44.02 | 21 | \$924.42 |
| | CAP Labor, professional engineer | Hour | \$77.36 | 14 | \$1,083.04 |
| | | | | 48 | \$2,558.95 |
| Mobilization | | | | | \$0.00 |
| Not Applicable | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 |
| Not Applicable | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Risk | | | | | \$0.00 |
| Not Applicable | | | | | |
| Administration & Permit Costs | | | | | \$0.00 |
| Not Applicable | | | | | |
| Total Cost Estimate: | | | | | \$2,558.95 |

| | | | |
|---------------------------|---------------|---|---|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Non-Livestock - Two Enterprises |

Cost Data

| | | | | | |
|---|--|--|------------------|---------------|-------------------|
| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Non-Livestock - Two Enterprises | | | |
| Natural Resource Concern: | Energy Conservation | | | | |
| Resource Setting: | Typical non-livestock operation with two enterprises as defined in the ASABE S612 on-farm energy audit standard | | | | |
| Before Practice 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. | | | | |
| After Practice 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. | | | | |
| 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. | | | | |
| Geographic Area: | US States and Territories | | | | |
| Unit for Cost Estimate: | No | | | | |
| Practice Life (Years): | 1 | | | | |
| Discount Rate (%/Year): | 5% | | | | |
| | | | | | Cost/Unit |
| Materials | | | | | \$0.00 |
| Not Applicable | | | | | |
| Equipment/Installation | | | | | \$0.00 |
| Not Applicable | | | | | |
| Labor | | | | | \$3,254.57 |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | |
| | Name of Item | Unit | Cost/Unit | Number | Item Cost |
| | CAP Labor, Administrative Assistant | Hour | \$35.61 | 1.5 | \$53.42 |
| | CAP Labor, Energy Auditor | Hour | \$42.99 | 17 | \$730.83 |
| | CAP Labor, Manager | Hour | \$44.02 | 28 | \$1,232.56 |
| | CAP Labor, professional engineer | Hour | \$77.36 | 16 | \$1,237.76 |
| | | | | 62.5 | \$3,254.57 |
| Mobilization | | | | | \$0.00 |
| Not Applicable | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 |
| Not Applicable | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Risk | | | | | \$0.00 |
| Not Applicable | | | | | |
| Administration & Permit Costs | | | | | \$0.00 |
| Not Applicable | | | | | |
| Total Cost Estimate: | | | | | \$3,254.57 |

| | | | |
|---------------------------|---------------|---|---|
| State | Practice Code | Practice/Activity Name | Practice/Activity Type |
| US States and Territories | 122 | Agricultural Energy Management - Headquarters CAP | AgEMP 122 Non-Livestock - Three Enterprises |

Cost Data

| | | | | | |
|---|--|--|------------------|---------------|-------------------|
| Scenario Description: | | Development of a 122 Agricultural Energy Management Conservation Activity Plan (CAP) Non-Livestock - Three Enterprises | | | |
| Natural Resource Concern: | <u>Energy Conservation</u> | | | | |
| Resource Setting: | Typical non-livestock operation with three enterprises as defined in the ASABE S612 on-farm energy audit standard | | | | |
| Before Practice 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. | | | | |
| After Practice 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. | | | | |
| 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. | | | | |
| Geographic Area: | US States and Territories | | | | |
| Unit for Cost Estimate: | No | | | | |
| Practice Life (Years): | 1 | | | | |
| Discount Rate (%/Year): | 5% | | | | |
| | | | | | Cost/Unit |
| Materials | | | | | \$0.00 |
| Not Applicable | | | | | |
| Equipment/Installation | | | | | \$0.00 |
| Not Applicable | | | | | |
| Labor | | | | | \$4,401.60 |
| Labor rates determined with a combination of certified Technical Service Providers (TSP) and GSA Advantage labor rates for the development of the CAP plan. | | | | | |
| | <u>Name of Item</u> | <u>Unit</u> | <u>Cost/Unit</u> | <u>Number</u> | <u>Item Cost</u> |
| | CAP Labor, Administrative Assistant | Hour | \$35.61 | 2 | \$71.22 |
| | CAP Labor, Energy Auditor | Hour | \$42.99 | 24 | \$1,031.76 |
| | CAP Labor, Manager | Hour | \$44.02 | 31 | \$1,364.62 |
| | CAP Labor, professional engineer | Hour | \$77.36 | 25 | \$1,934.00 |
| Mobilization | | | | | \$0.00 |
| Not Applicable | | | | | |
| Operation & Maintenance (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Acquisition of Technical Knowledge | | | | | \$0.00 |
| Not Applicable | | | | | |
| Forgone Income (Annual) | | | | | \$0.00 |
| Not Applicable | | | | | |
| Risk | | | | | \$0.00 |
| Not Applicable | | | | | |
| Administration & Permit Costs | | | | | \$0.00 |
| Not Applicable | | | | | |
| Total Cost Estimate: | | | | | \$4,401.60 |