



**COLORADO**  
Energy Office

**Colorado Agricultural Energy Efficiency (AGEE) Program Application**

The purpose of this program is a coordinated approach to energy efficiency improvements in Colorado’s agricultural sector. Participants in the program will receive a free energy audit, preliminary renewable energy assessment, technical support and implementation support. Participants are strongly encouraged to pursue implementation. Implementation of energy efficiency improvements is voluntary and is not required to sign up for the audit and technical support.

Please note that this program is not intended for hobby farms. A typical dairy, crop farm, or greenhouse will have a monthly electric or heating bill of about \$400 or more (for crop farms this typical monthly bill will be expected during irrigation months.)

If accepted into the program participants must agree to provide the following:

- Electricity bills (use and cost) for each building/system in the audit for the most recent 24- 36 months (this information can be provided directly by your energy provider)
  - Information should include electrical demand (kW) and demand cost (if applicable), energy use (kWh) and cost, and total cost
- Gas bills (use and cost) for each building in the program for the most recent 24 - 36 months (this information may be provided directly by your energy provider or may require some effort to gather past bills)
  - Information should include fuel use and total cost
- LP, Diesel, and Gasoline purchase records for 24 - 36 months.
- Aerial photo of farm (if available)
- Floor plan/landscape plan for each building/irrigation system included in the program (if available)

**General Information**

**Farm Name (as shown on W9) and Contact Information**

|                                       |  |  |  |
|---------------------------------------|--|--|--|
| Farm Name:                            |  |  |  |
| Contact Name:                         |  |  |  |
| Facility Address (inc. city and zip): |  |  |  |
| Mailing Address:                      |  |  |  |
| Phone & E-mail:                       |  |  |  |

**How did you hear about the Colorado Agricultural Energy Efficiency (AGEE) Program?**

**Estimated annual energy expenditures for the dairy, greenhouse, or irrigation systems that are proposed for participation in the program**

|              |  |                   |  |
|--------------|--|-------------------|--|
| Natural Gas: |  | Utility Provider: |  |
| Electricity: |  | Utility Provider: |  |
| Propane:     |  | Supplier:         |  |
| Diesel:      |  |                   |  |
| Gasoline:    |  |                   |  |
| Other:       |  | Utility Provider: |  |



What are you interested in improving at the farm? Any specific projects you are looking to do?

How long have you owned/operated the farm? Have you made any recent upgrades?

Do you have any energy reduction goals? If so, what are they?

Please provide answers for each of the buildings or irrigation systems proposed for participation in the program:

**Dairy**

Total Number of Cows:   
Number of Milking Cows:

**Milking Parlor**

Style:   
Number of Units:   
Year Built:

**Barns**

Number of barns:   
Year Built:

**Other Buildings**

Number of other buildings:   
Square footage (this can be approximate):   
Uses:

**Irrigation**

Number of irrigation / well pumps:

**Irrigation System #1**

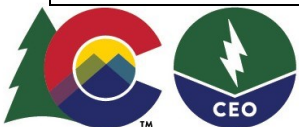
Name of system:   
Year Constructed:   
HP of irrigation/well pump:

Is there a VFD on irrigation/well pump? Yes  No   
Do you ever have to throttle or choke your pump during the irrigation season? Yes  No

Type of system (center pivot, lateral move, drip, microspray, etc) please describe typical operation:

Irrigated crops:   
Acres irrigated from this irrigation/well pump:   
Is this pump used for multiple irrigated systems (pivots/fields/etc)?   
Do you utilize irrigation water management practices?

If yes, describe (ex. moisture sensors, weather station, etc):



**Irrigation System #2**

Name of system:   
Year Constructed   
HP of irrigation/well pump

Is there a VFD on irrigation/well pump? Yes  No   
Do you ever have to throttle or choke your pump during the irrigation season? Yes  No

Type of system (center pivot, lateral move, drip, microspray, etc) please describe typical operation:

Irrigated crops:

Acres irrigated from this irrigation/well pump:

Is this pump used for multiple irrigated systems (pivots/fields/etc)?

Do you utilize irrigation water management practices?

If yes, describe (ex. moisture sensors, weather station, etc):

**Irrigation System #3**

Name of system:   
Year Constructed   
HP of irrigation/well pump

Is there a VFD on irrigation/well pump? Yes  No   
Do you ever have to throttle or choke your pump during the irrigation season? Yes  No

Type of system (center pivot, lateral move, drip, microspray, etc) please describe typical operation:

Irrigated crops:

Acres irrigated from this irrigation/well pump:

Is this pump used for multiple irrigated systems (pivots/fields/etc)?

Do you utilize irrigation water management practices?

If yes, describe (ex. moisture sensors, weather station, etc):

**Irrigation System #4**

Name of system:   
Year Constructed   
HP of irrigation/well pump

Is there a VFD on irrigation/well pump? Yes  No   
Do you ever have to throttle or choke your pump during the irrigation season? Yes  No

Type of system (center pivot, lateral move, drip, microspray, etc) please describe typical operation:

Irrigated crops:

Acres irrigated from this irrigation/well pump:

Is this pump used for multiple irrigated systems (pivots/fields/etc)?

Do you utilize irrigation water management practices?

If yes, describe (ex. moisture sensors, weather station, etc):



**Irrigation System #5**

Name of system:

Year Constructed

HP of irrigation/well pump

Is there a VFD on irrigation/well pump? Yes  No

Do you ever have to throttle or choke your pump during the irrigation season? Yes  No

Type of system (center pivot, lateral move, drip, microspray, etc) please describe typical operation:

Irrigated crops:

Acres irrigated from this irrigation/well pump:

Is this pump used for multiple irrigated systems (pivots/fields/etc)?

Do you utilize irrigation water management practices?

If yes, describe (ex. moisture sensors, weather station, etc):

**Greenhouses**

Crops grown:

Is your operation seasonal or year round? Seasonal  Year Round

Number of greenhouses

Square footage of greenhouse area (this can be approximate)

Age of Buildings:

Average winter temperature inside the greenhouse:

**Other Buildings**

Number of other buildings:

Square footage (this can be approximate):

Uses

\_\_\_\_\_  
**Name (print)**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

Please sign, scan, and email as a  
PDF to: CEO\_Ag\_EE@nexant.com

Or mail to:

Colorado Energy Office  
Attention: Wil Mannes  
1600 Broadway, Suite 1960  
Denver, CO 80203

