COLORADO
Energy Office

Program Application

Colorado Energy Office (CEO) Agricultural Energy Efficiency (AgEE) Program

The purpose of the CEO AgEE Program ("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. Eligible participants will accrue $4,800+ in on-farm energy costs annually, **not including** transportation energy expenses.

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
- Natural 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
- Liquid propane (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)	Contact Name
Facility Address (include city and zip)	Mailing Address (include city and zip)
Phone	Email

How did you hear about the Program?

Estimated annual energy expenditures for the dairy, irrigation system(s), or greenhouse that are proposed for participation in the Program:

Natural Gas	Natural Gas Provider
Electricity	Electricity Provider
Propane	Propane Supplier
Diesel	Gasoline
Other	Utility Provider

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

What have you recently upgraded at the farm?

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	Approximate Square Footage	Uses

Irrigation

Irrigation System #1

Name of System	Year Constructed	Horsepower of Irrigation/Well Pump(s)	Irrigated Crops	Acres Irrigated By This System

Is this pump used for multiple irrigated systems? ☐ Y ☐ N

Is there a Variable Frequency Drive (VFD) on the pump? ☐ Y ☐ N

Do you have to throttle or choke the pump during the irrigation season? ☐ Y ☐ N

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

Do you utilize irrigation water management pratices? If yes, please describe (e.g. moisture sensors weather station, etc.)

Irrigation System #2

Name of System	Year Constructed	Horsepower of Irrigation/Well Pump(s)	Irrigated Crops	Acres Irrigated By This System

Is this pump used for multiple irrigated systems? ☐ Y ☐ N

Is there a VFD on the pump? ☐ Y ☐ N

Do you have to throttle or choke the pump during the irrigation season? ☐ Y ☐ N

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

Do you utilize irrigation water management pratices? If yes describe (e.g. moisture sensors weather station, etc.)

Irrigation System #3

Name of System	Year Constructed	Horsepower of Irrigation/Well Pump(s)	Irrigated Crops	Acres Irrigated By This System

Is this pump used for multiple irrigated systems? ☐ Y ☐ N

Is there a VFD on the pump? ☐ Y ☐ N

Do you have to throttle or choke the pump during the irrigation season? ☐ Y ☐ N

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

Do you utilize irrigation water management pratices? If yes describe (e.g. moisture sensors weather station, etc.)

Irrigation System #4

Name of System	Year Constructed	Horsepower of Irrigation/Well Pump(s)	Irrigated Crops	Acres Irrigated By This System

Is this pump used for multiple irrigated systems? ☐ Y ☐ N

Is there a VFD on the pump? ☐ Y ☐ N

Do you have to throttle or choke the pump during the irrigation season? ☐ Y ☐ N

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

Do you utilize irrigation water management pratices? If yes describe (e.g. moisture sensors weather station, etc.)

Irrigation System #5

Name of System	Year Constructed	Horsepower of Irrigation/Well Pump(s)	Irrigated Crops	Acres Irrigated By This System

Is this pump used for multiple irrigated systems? ☐ Y ☐ N

Is there a VFD on the pump? ☐ Y ☐ N

Do you have to throttle or choke the pump during the irrigation season? ☐ Y ☐ N

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

Do you utilize irrigation water management pratices? If yes describe (e.g. moisture sensors weather station, etc.)

Greenhouses

Crops Grown	Seasonal or Year Round Operation	Number of Greenhouses
Approximate Greenhouse Square Footage	Age of Buildings	Average Winter Greenhouse Temperature

Other Buildings

Number of Other Buildings	Approximate Square Footage	Uses

Signature

Name (please print)	Signature	Date

Submit

Complete interactive PDF and use the submit button below:

Submit

— or —

Print, complete, sign, scan, and email as a PDF to:
CEO_AG_EE@nexant.com

— or —

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