**Agricultural Energy Audit - Screening Tool**

**Instructions:** The purpose of this form is to assess if there are potential electrical energy savings that could be identified from performing an on-site energy audit at an agricultural production site. Questions include high-level information about electrical energy-consuming equipment as well as information about the farm type and agricultural production activities. This form should be completed by an on-site individual most knowledgeable about the energy using equipment at the agricultural production site or by an experienced agricultural energy auditor. The completed form must be returned to the agricultural producer’s electric service utility for review and processing. If an on-site energy audit is determined necessary, additional information will be requested from the participating agricultural producer and their chosen experienced agricultural energy auditor.

If any information does not apply, please enter N/A into the text box.

**Customer information**

|  |  |
| --- | --- |
| Farm Business Name | Click or tap here to enter text. |
| Site Address | Street Click or tap here to enter text. |
| CityClick or tap here to enter text. | State Click or tap here to enter text. | Zip CodeClick or tap here to enter text. |
| Phone Number | Click or tap here to enter text. | Email AddressClick or tap here to enter text. |
| Is the farm owned or leased? | [ ] Owned [ ]  Leased |
| Electric Utility Name | Click or tap here to enter text. |
| Electric Utility Account Number | Click or tap here to enter text. |
| Annual Electricity Use (kWh/yr.)  | Irrigation Electricity UsageClick or tap here to enter text. | Farm Operations Electricity UsageClick or tap here to enter text. |

**Agricultural Site Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Site Type** (Select all that apply) | [ ]  Dairy[ ]  Poultry [ ]  Ranch  | [ ]  Orchard[ ]  Vineyard[ ]  Irrigated Crop | [ ]  Green House[ ]  Forestry Products[ ]  Nursery Stock[ ]  Produce Storage | [ ]  Other (please describe): Click or tap here to enter text. |

**Farm Buildings**

|  |  |  |
| --- | --- | --- |
| **Fuel Source for HVAC system in heated and/or cooled buildings**: [ ]  Natural Gas[ ]  Propane [ ]  Electricity [ ]  Other: Click or tap here to enter text. | How many heated and/or cooled buildings are on site? Click or tap here to enter text. | How many lighted buildings are on site? Click or tap here to enter text. |
| Total square footage of heated and/or cooled buildings: Click or tap here to enter text. | Total square footage of lighted buildings: Click or tap here to enter text. |
| Age of HVAC system in heated and/or cooled buildings: Click or tap here to enter text. | Yard Lighting? [ ] Yes [ ] No  [ ] Unknown  |

**Irrigation Systems**

|  |  |
| --- | --- |
| **Type of Irrigation System** (select all that apply and enter acres served) | Total Acres of Irrigated Land: Click or tap here to enter text.Typical Crops and Rotation: Click or tap here to enter text. |
| [ ] Hand-line/Wheel-line Acres Served [ ] Solid Set SprinklersAcres Served [ ] Solid Set DripAcres Served [ ] Solid Set OrchardAcres Served [ ] Pivot with Mid-Elevation Sprinklers (MESA ≥ 40 inches)Acres Served [ ] Pivot/Linear with Low Elevation Sprinklers (LESA, LEPA ≤ 39 inches)Acres Served  | [ ] Low Energy Precision ApplicationAcres Served [ ] Pivot/Linear with Impact Sprinklers  Acres Served [ ] Pivot/Linear with Mobile Drip Irrigation Acres Served [ ] Other irrigation system (please describe) Click or tap here to enter text.Acres Served  |

**Irrigation Pumps**

|  |
| --- |
| **Enter the number of pumps and the total horsepower of the pumps for each age range:** |
| 0 - 5 years: Total Horsepower: 6 – 9 years: Total Horsepower:  | 10 – 15 years: Total Horsepower: 16 – 20 years: Total Horsepower:  | 21 - 25 years:  Total Horsepower: 26+ years:  Total Horsepower:  |
| Are any pumps on VFDs:[ ] Yes [ ] No [ ] Don’t know  |

**Dairy Information (if applicable)**

|  |  |
| --- | --- |
| Total Head Count of Milkers: Click or tap here to enter text. | Square Footage of Dairy Parlor: Click or tap here to enter text. |
| Is there a plate cooler? [ ] Yes [ ] No [ ] Don’t Know  | Is there a VFD on the vacuum pump? [ ] Yes [ ] No [ ] Don’t know  |
| Is there a VFD on the compressor? [ ] Yes [ ] No [ ] DK  | Does this dairy process or chill the milk? [ ] Process [ ] Chill |
| Are there cooling fans? [ ] Yes [ ] No [ ] Don’t Know  | Has the lighting been converted to LEDs? [ ] Yes [ ] No [ ] Don’t Know  |

**Green House/Indoor Agriculture Grow Information (if applicable)**

|  |  |  |
| --- | --- | --- |
| How many green houses are on site? Click or tap here to enter text. | What’s the total square footage of the green houses? Click or tap here to enter text. | Do the greenhouses have lighting? [ ] Yes [ ] No |
| Are the green houses heated and/or cooled? [ ] Yes [ ] No | What fuel is used heat and/or cool the green houses:[ ] Natural Gas [ ] Propane [ ] Electric  |

**Potential Energy Efficiency Project Details**

|  |  |
| --- | --- |
| Briefly describe any areas of interest for potential equipment improvement projects at the site (e.g. lighting, HVAC, irrigation pumps…).  | Was an energy audit assessment performed before? [ ] Yes [ ] NoIf yes, what year was the audit performed?Click or tap here to enter text. |
| Click or tap here to enter text. |

**Have you contacted a USDA NRCS Technical Service Provider or Energy Auditor about completing an on-site energy audit?** [ ] Yes [ ] No **If “yes,” complete the information below:**

|  |  |  |  |
| --- | --- | --- | --- |
| Energy Auditor Name: Click or tap here to enter text. | TSP, P.E., CEM, or Other: Click or tap here to enter text.Years of Experience: Click or tap here to enter text. | Auditor Phone Number: Click or tap here to enter text.Auditor Email: Click or tap here to enter text. | Auditor Business Address: Click or tap here to enter text. |

|  |  |  |
| --- | --- | --- |
| (A) Estimated Energy Audit Cost: Click or tap here to enter text. | (B) Outside Funding Available for Energy Audit: Click or tap here to enter text. | Net Cost (A-B) = Click or tap here to enter text. |