# **ELEMENT 10 – Green Initiatives**

# **FARM CONSERVATION PLAN**

1. **AIR QUALITY**

**Do you have plans to switch or have you already switched your agricultural equipment to cleaner technologies? If yes, please explain.**

Yes

No

**Which of the following practices have you implemented to reduce diesel emissions and improve air quality?**

Switched to cleaner fuels (e.g., biodiesel, liquid petroleum gas, compressed natural gas)

Retrofitted or replaced older diesel equipment with cleaner technologies

Minimize idling when the machines are in use

Implement multi-tillage tools

Limited time use per year for diesel engines

Other:

**Do you limit tillage to only what is necessary, reducing carbon and soil particulate release?**

Yes

No

1. **WASTE MANAGEMENT**

**Do you recycle used oil?**

Yes

No

**Do you recycle cardboard boxes, used pallets, paper, plastic, and other recyclable material?**

Yes

No

**Do you provide clearly marked containers for employees to place recycled materials?**

Yes

No

**Do you have a company policy requiring recycling?**

Yes

No

**Do you compost organic matter?**

Yes

No

**Do you dispose of potentially hazardous materials (e.g. batteries, CFL bulbs, electronics, etc.) through a hazardous waste disposal site or program?**

Yes

No

1. **ENERGY EFFICIENCY AND CARBON EMISSIONS REDUCTION**

**Are you replacing burned out incandescent or halogen light bulbs with LED or CFL bulbs?**

Yes

No

**Do you use Energy Star certified appliances when applicable?**

Yes

No

**Have you installed any other energy conserving measures in your operations? If yes, please describe.**

Yes

No

**Have you evaluated the feasibility of using renewable energy sources (e.g. solar, wind, etc.) for barn/shop operations?**

Yes

No

**Looking into installing solar panels on winery roof.**

**Do you use solar powered outdoor lights?**

Yes

No

**Do you purchase carbon offset credits to compensate for your operation’s release of greenhouse gases?**

Yes

No

**SUMMARY: GREEN INITIATIVES ELEMENT**

|  |  |  |
| --- | --- | --- |
| ALREADY BEING APPLIED | NEEDS  TO BE APPLIED | BMP |
| AIR QUALITY | | |
|  |  | Has changed or plans to change agricultural equipment to cleaner diesel technology |
|  |  | Tillage is limited to reduce generation of air pollutants |
| WASTE MANAGEMENT | | |
|  |  | Oil is recycled |
|  |  | Cardboard, pallets, paper, plastic, & aluminum are recycled |
|  |  | Hazardous materials are disposed of at a hazardous waste site or program |
| **ENERGY EFFICIENCY AND CARBON EMISSION REDUCTION** | | |
|  |  | Incandescent/halogen bulbs are replaced with LED or CFL bulbs |
|  |  | Use of renewable energy for shop/barn operation evaluated |
|  |  | Outdoor lights are solar powered |

## IMPLEMENTATION TIMELINE: GREEN INITIATIVES ELEMENT

For each BMP to be applied, outline a timeline for implementation over the next 10 years.

|  |  |
| --- | --- |
| **ACTION/BMP** | **TIME FRAME** |
| Solar Panels | 2-5 years |
| Outdoor lights are on motion sensor |  |
|  |  |
|  |  |