# **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

**[x]** 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

[x]  Limited time use per year for diesel engines

[ ]  Other:

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

**[x]** Yes

**[ ]** No

1. **WASTE MANAGEMENT**

**Do you recycle used oil?**

**[ ]** Yes

**[x]** No

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

**[x]** Yes

**[ ]** No

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

**[x]** Yes

**[ ]** No

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

**[x]** Yes

**[ ]** No

**Do you compost organic matter?**

**[ ]** Yes

**[x]** No

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

**[x]** Yes

**[ ]** No

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

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

**[x]** Yes

**[ ]** No

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

**[x]** Yes

**[ ]** No

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

**[ ]** Yes

**[x]** No

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

**[x]** Yes

**[ ]** No

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

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

**[ ]** Yes

**[x]** No

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

**[ ]** Yes

**[x]** No

**SUMMARY: GREEN INITIATIVES ELEMENT**

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