

ENERGY CONSERVATION MEASURES

OR

RENEWABLE ON-FARM ENERGY PRODUCTION

Beneficial Management Practices Categories: 26 and 27

Projects in these categories are intended to: control energy systems, improve the efficiency of energy use for existing agricultural facilities or reduce the dependency on power and fossil fuels by substituting energy from renewable sources available on farm.

Eligible projects to conserve energy might include such things as: improved power controls, improvements to a building shell to reduce energy usage for heating or cooling, or improvements to lighting, heating or cooling equipment to use significantly less energy.

Eligible renewable energy projects might include such things as: power generated from wind or solar sources, or the use of passive solar heat, or the generation or conversion of equipment to burn biomass, biogas or biodiesel to replace other fossil fuels on the farm.

Describe the aspect of energy conservation/generation to be addressed.

Describe the proposed solution

	Yes	No
I have read, understood, and agree to abide by the Responsible Environmental Construction Principles on the back of this page.	<input type="checkbox"/>	<input type="checkbox"/>
<hr/>		
Name of Applicant (please print)		
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Signature of Applicant	Date	

Please return with original signatures to:
Ontario Soil and Crop Improvement Association
1 Stone Road West
Guelph ON N1G 4Y2

Responsible Environmental Construction Principles

Project Design and Planning

- Participants must refer to the appropriate Worksheets in the Canada-Ontario *Environmental Farm Plan Program*, Third Edition Workbook, 2004 (or earlier version) for guidance. In addition, you should contact your local Conservation Authority for further guidance.
- Program participants are responsible for **obtaining** licenses, permits, approvals or authorizations and complying with all applicable municipal, provincial and federal legislation. Projects near water may require approval from the Department of Fisheries and Oceans (DFO). Please contact your local Conservation Authority.
- All projects are to be designed and constructed so as not to damage or obstruct Municipal Drains and other drainage works in the system. Permission from the Municipality is mandatory if the work involves municipal drainage. Compliance with existing legislation must be met (e.g. Lakes and Rivers Improvement Act, Fisheries Act and the fill-line regulations of the local Conservation Authority)

Soil Erosion and Sediment Control

- Effective short term erosion and sediment controls should be installed prior to work and maintained until the site has been stabilized.
- Phase work to minimize duration of exposure of disturbed areas.
- Divert surface runoff away from working areas and areas of exposed or susceptible soils, where feasible.
- Ensure earthworks do not intensify flood hazards or create undesired obstructions to drainage into natural water bodies.
- Ensure that any sediment laden water is discharged onto land or into a settling pond prior to re-entry into a water body (during construction, pipeline washing, etc).

Construction Equipment and Operation

- Clean all machinery and equipment prior to transport to new construction areas.

Wildlife and Species at Risk Section

- Minimize disturbance to fish and wildlife by scheduling work to avoid sensitive periods (i.e., spawning, nesting, migration, staging, breeding, hibernation or nursing) and areas (i.e., residence, wildlife movement corridors). Comply with any applicable 'no construction' timing windows.
- If any aquatic species at risk are known or expected to be present at any time within or adjacent to the project area, consult with Fisheries and Oceans Canada specialists or the relevant provincial authority regarding measures to avoid harmful disturbance. Contact your local Conservation Authority.

Construction

- Avoid work activities during excessively wet site conditions.
- In the event that any cultural or heritage resources (bones, pottery) are discovered, construction must cease and the Ministry of Culture should be notified immediately. (Please contact Neil Chisholm at the Ministry of Culture at (416) 314-7148 who will direct you to the responsible Heritage Planner for the area). If this occurs, construction will occur as directed by the Ministry of Culture.

Post Construction

- Restore or re-vegetate all disturbed areas, including riparian areas, to pre-construction conditions, as soon as possible and to the fullest extent possible. All re-vegetation should be done with species that existed prior to construction or suitable species as planned (preferably native).