



# **MAPLE LEAF FOODS** **ENVIRONMENTAL** **PROJECT INVESTMENTS**

## **ST. LEON WIND ENERGY**

**Location**

Manitoba, Canada

**Technology type**

Wind

**Certification**

Green-e

**Key details**

The St. Leon Wind Energy Project is a 120.5 MW wind project, one of the largest in the province, located approximately 150 kilometers southwest of Winnipeg near the town of St. Leon and Swan Lake First Nation in Manitoba.

## **BRADY WIND I**

**Location**

North Dakota, USA

**Technology type**

Wind

**Certification**

Green-e

**Key details**

Brady I is a 150 MW wind farm sponsored by Next Era Energy, the largest renewable energy developer in North America.

## **SPARTANBURG LANDFILL GAS**

**Location**

South Carolina, USA

**Technology type**

Landfill gas

**Certification**

Verified Carbon Standard

**Key details**

The Spartanburg project consists of a landfill gas collection system and three different destruction devices to combust collected gas. The county partnered with Miliken Dewey Chemical Plant and Lockart Power to utilize landfill gas from the Wellford Landfill, creating a one-of-a-kind beneficial use project.

The project raises the bar for industry by providing an innovative way to capture methane gas arising from landfills.

## **UNIVERSITY ENERGY EFFICIENCY & RENEWABLE ENERGY PROJECTS**

**Location**

Indiana, Wisconsin, Oregon, Illinois USA

**Technology type**

Energy Efficiency & Renewables

**Certification**

Verified Carbon Standard

**Key details**

Ball State University in Indiana, University of Wisconsin-Milwaukee, Southern Oregon University and the University of Illinois Urbana-Champaign have pioneered the use of VCS's methodology designed specifically for higher education. The projects have spurred innovation and encouraged uptake of energy efficiency and renewable energy through the communities surrounding these schools. Campuses reinvest all revenue from carbon credit sales into further emissions reductions projects on campus, accelerating their progress towards carbon neutrality. Each university is part of the Climate Leadership Network, committing to incorporating sustainability and climate action into their curriculums.





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## **AIM ENVIRONMENTAL WASTE DIVERSION PROJECT**

<b>Location</b>	Ontario, Canada
<b>Technology type</b>	Composting
<b>Certification</b>	CSA Group
<b>Key details</b>	The Hamilton Central Composting Facility processes source-separated organics (SSO) in an in-vessel composting system. AIM focuses on converting organic residues from three municipal collection sites to quality compost product.

The project reduces the burden on local landfills and raises the bar for industry by providing a sustainable methodology to divert organic waste away from an anerobic site, avoiding methane production.

## **MEROM FARMS BIOMASS TO ENERGY**

<b>Location</b>	British Columbia, Canada
<b>Technology type</b>	Biomass to Energy
<b>Certification</b>	CSA Group
<b>Key details</b>	Large commercial greenhouse operation in the Lower mainland of BC, near the town of Abbotsford that consists of 36 acres of covered greenhouse area.

The farm produces roughly 11 million pounds of bell peppers per year and ships to grocery stores in Canada and the U.S.

Converted boilers and now use waste biomass for their operations, reducing GHG's through displacement of fossil fuels from burning biomass along with reducing landfill feedstock.

The project reduces Merom Farms reliance on fossil fuels and models sustainable agriculture with an emphasis on reducing waste.

## **ENERGY EFFICIENCY AND SOLID WASTE DIVERSION ACTIVITIES WITHIN THE QUEBEC SUSTAINABLE COMMUNITY:**

<b>Location</b>	Quebec, Canada
<b>Technology type</b>	Energy Efficiency and Solid Waste Diversion Activities Within a Sustainable Community
<b>Certification</b>	Verified Carbon Standard
<b>Key details</b>	A grouping of several micro-projects by non-profits and municipalities to create a Sustainable Community offering. Allows them to offset their emissions and support projects that aim to reduce their carbon footprint

Micro-projects are derived from geothermal, landfill diversion, landfill avoidance of residual waste and energy efficiency.





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## **MASSACHUSETTS TRI-CITY FORESTRY**

<b>Location</b>	Massachusetts, USA
<b>Technology type</b>	Forestry
<b>Certification</b>	American Carbon Registry
<b>Key details</b>	<p>Three cities in Massachusetts (Holyoke, Westfield and West Springfield) have launched a joint Improved Forest Management project on 17,000 acres of public forestland in central Massachusetts. (All within approx. 50 miles of Lightlife Foods in Turner Falls).</p> <p>These cities are challenged financially and are under pressure to generate increased revenue from their forests – this project enables them to do so without resorting to more aggressive timber harvesting.</p> <p>The forest management practices of the Tri-City project provide a critical habitat for many mammals, birds, and plants.</p>

## **DARKWOODS FOREST CARBON PROJECT**

<b>Location</b>	British Columbia, Canada
<b>Technology type</b>	Forestry
<b>Certification</b>	Verified Carbon Standard
<b>Key details</b>	<p>Located near Creston, BC the Darkwoods project is home to unique land features, species and research and is the single largest private land acquisition for conservation in Canadian history.</p> <p>Conserved in 2008 and expanded in 2019 by the Nature Conservancy of Canada.</p> <p>135,400 acres protected through this project along with 39 protected species</p> <p>This project brings together a wide variety of both private and public sector partners across Canada and the U.S. as well as local communities and First Nations.</p> <p>Its lands support several bio-diversity, environmental, forestry management projects including re-forestry.</p>

## **AVOIDANCE OF METHANE EMISSIONS AT ORGANIC COMPOST SOIL AMENDMENT FACILITY**

<b>Location</b>	Alabama, USA
<b>Technology type</b>	GHG emission reductions from manure
<b>Certification</b>	The Gold Standard
<b>Key details</b>	<p>This project involves aerobic decomposition of chicken manure composting in Castleberry, Alabama.</p> <p>The chicken manure is purchased from local companies and received at the composting facility as raw material to produce a high potency organic compost that is pathogen free and odorless.</p> <p>The composting facility processes the organic content of waste through windrow composting to produce the final product, organic compost.</p> <p>(Maple Leaf Foods has committed to purchase from this project commencing in 2020.)</p>

