



GuelphSolar.ca

A community power collaboration with:



OptionsForGreenEnergy.ca



Ontario's largest community
financed urban solar park.

HallsPondSolar.org



A Place of Peace



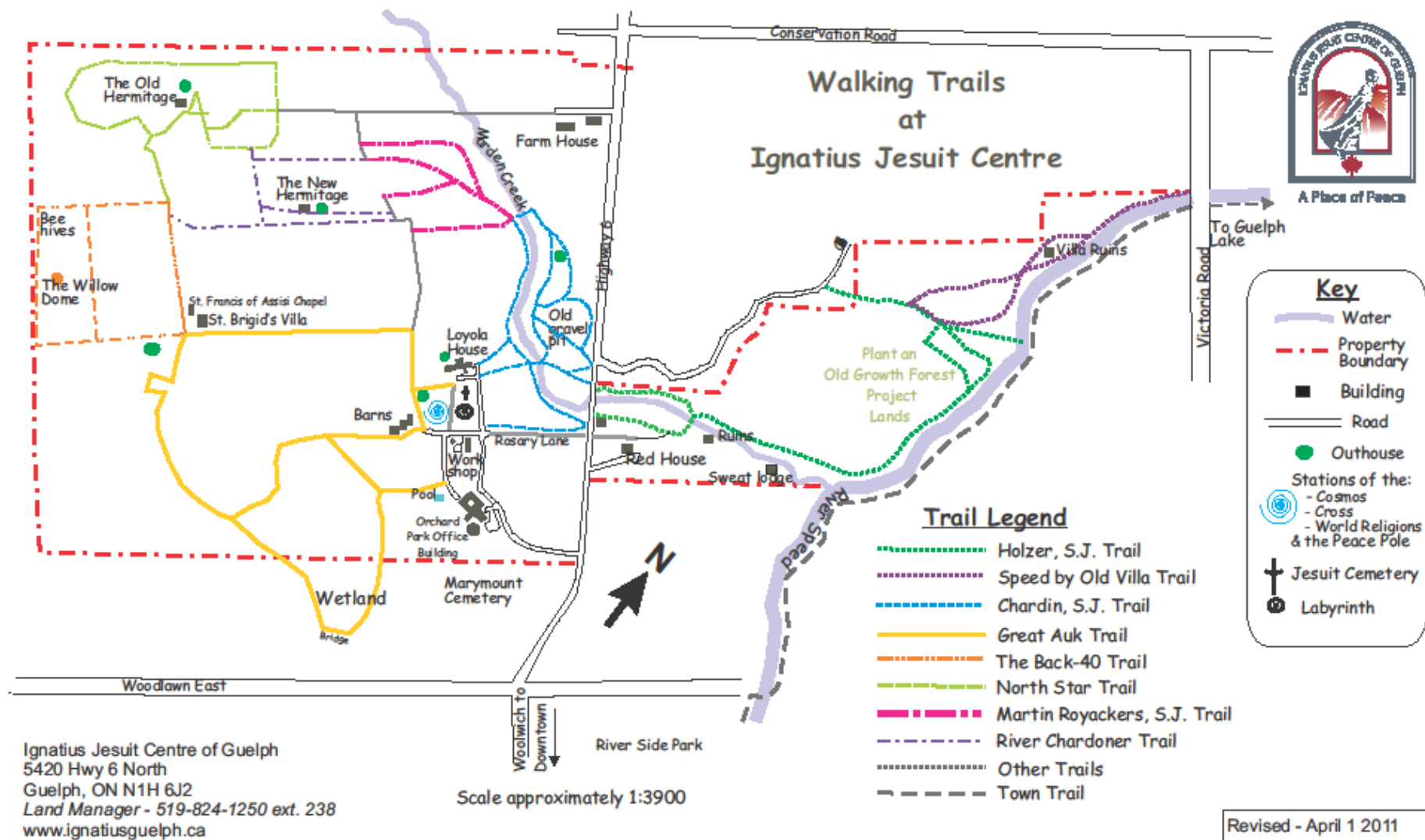
1. Our Ministries: Promoting Sustainability



The Land at IJC

240 hectares of
farmland,
Woods,
wetlands, 1 km.
north of the city
of Guelph





COMMUNITY SHARED AGRICULTURE



Heather Lekx,
Farm Manager



Organic Farm Internship Program



Community Gardens



Ecology Project



Connecting on Issues of Food and Agriculture



National Farmers Union

Education



Education with School Groups

Both Catholic and public schools in Wellington County visit the property for hands-on training in ecological restoration and agricultural skills as well as retreats.



Terra Programme

- Wellington Catholic
School Board
 - St. James High School



Plant An Old-Growth Forest Project



A 500 year project –
Protecting for future generations



Spirituality

Loyola House



2. Our Efforts: Implementing Sustainability



- Organic food production
- And consumption





Ecological Living

- Bottle Water/ Styrofoam Free Zone
- Compost kitchen scraps and reduce packaging
- Fair trade Coffee
- Biodiesel co-operative





- Energy audit
 - Electrical, 2005
 - Energy efficient heating system
 - lighting improvements



St. Brigid's Villa

- geo-thermal heating





- # Loyola House
- ## The Red House
- Solar water heating



Solar energy generation





- Has been operating within the community for about five years with a dozen active volunteers who are citizens of the City of Guelph.
- Over that time have:
 - hosted public meetings with over 250 people in attendance,
 - conducted numerous presentations to community groups, and
 - organized volunteer-run tables at eco-fairs.
- Over the past two years we have withdrawn from our community work to re-invest in community building.
 - Successful in obtaining funding to undertake a study into the feasibility of a renewable energy co-operative in Guelph.
- Articles of Incorporation have been submitted under the name Guelph Solar Community Co-operative Inc.
- Thanks to a dedicated and effective committee of volunteers!!



Ignatius Jesuit Centre

An ideal community site for Guelph Solar launch

- Two roofs at Ignatius would be the co-op's first community investment project.
 - Highly visible location
 - Ignatius is warmly regarded by the Guelph community
 - In keeping with the peace and values of the property
 - Opportunity for Orchard Park roof repairs to be supported and lease income to be gained for both Orchard Park and Loyola properties
 - Feasibility and Draft Business Planning work to date has been funded by Co-operative Development Initiative grant
 - Rhythm Communications and Remmer Energy are the consulting team for this project

Collaboration receive Ignatius board approval



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Options for Green Energy

<http://www.optionsforgreenenergy.ca/>

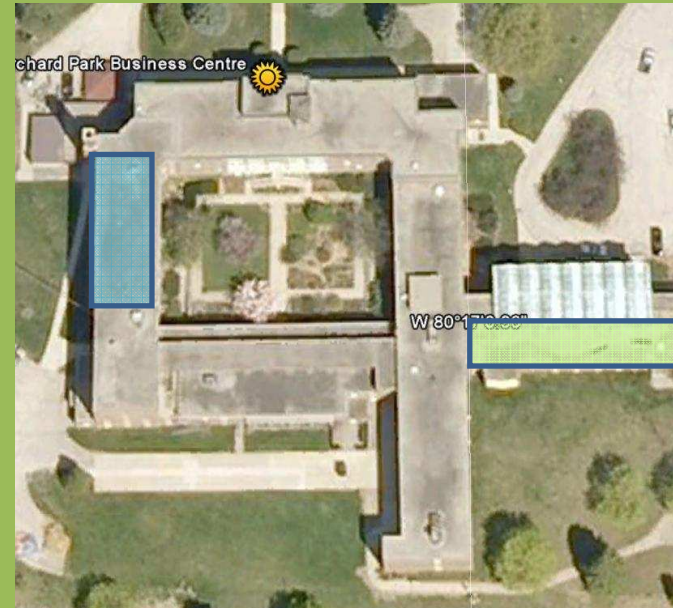
- Options model brings:
 - Tried and tested investment model
 - Take some leadership and governance (including organizational start-up) weight off GS Advisory Committee by joining forces with Options and the Hall Pond Solar Farm project .
 - Support for community engagement
 - Offer marketing and membership opportunities/advantages.
 - Access to community investment
 - The backing of their Community Wealth Non-Profit Corporation
 - Build a stronger and broader renewable energy co-op sector in Guelph and Ontario.
 - Support of the City of Guelph, endorsement from the Mayor.
 - Support of ON-Co-op and Cdn Co-op (CCA)
 - Win-win co-operative collaboration

Progress and Plans

- Progress:
 - Economic forecasts, budgets and payment details not finalized until expert input has been gained
 - Soft costs (such as expert input on the needs of the roof) are covered by CEPP (Community Energy Partnerships Program) funding
 - Thank you!!! CEPP
 - Funding recently approved
 - FIT application submitted
 - Community events and fundraising begun
- Plans:
 - Work with additional candidate sites as determined by Feasibility
 - Continued membership recruitment using the Options approach

Orchard Park

- Large rooftop area
 - approx 2800 m² or 30,000 ft²
 - 60 kW system possible
- Ballasted mounting system is possible
- Roof replacement or maintenance is a key issue:
 - Success and economics of the co-op investment and project longevity/risk



Age and condition of roof varies across its sections

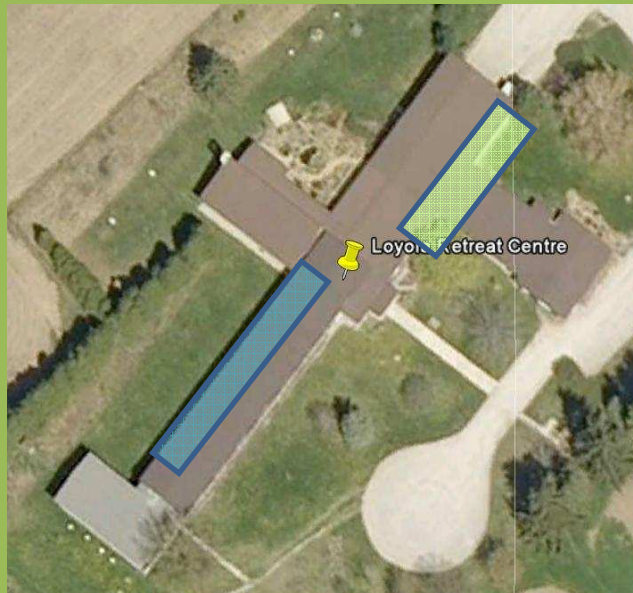
original roof – replaced 10 years ago

chapel roof – replaced 4 years ago

Remaining roof needs work soon

Loyola Retreat House

- Rooftop system on Loyola Retreat Centre
 - two areas of roof
 - 260 m²
 - 180 m²
 - cover about 340 m² to get a 50 kW_{peak} system



Roof is:

- tilted at 9 degrees
- facing 50 degrees S- SE – azimuth angle
- a few trees that may induce shading
- rolled asphalt roof with adequate strength and recently replaced – eligible for maintenance contract option with Conestoga
- new transformer recently installed

Ignatius Jesuit Centre



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www.ignatiusguelph.ca