



## About CoEnergy

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**CoEnergy Ontario Co-operative** is a community financed co-operative that invests in and owns clean energy projects. We offer a full range of services including design, financing, implementation, and ongoing management of our projects.

We use an **'Energy as a Service'** (EaaS) business model through which the customer pays for the energy or services received from the project over a contracted period – with no upfront capital required.



**CoEnergy** is unique in that we use community capital invested by our members to finance our projects, supporting a low-carbon, circular economy.

**CoEnergy** focusses on energy efficiency, net metered solar generation and storage, electrification infrastructure and equipment, and other low carbon opportunities for building owners.

**CoEnergy** partners with renewable energy and energy efficiency contractors to provide an experienced team to implement projects.



## Our Services

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### **Net Metered Solar Generation and Storage**

Produce the power you need on your own roof! Shrink your organization's carbon footprint and lower your electricity bills by producing clean electricity generated directly on your property. This fully-financed solar system allows you to secure low, stable electricity prices for decades to come. Electricity is consumed on site, and credits for unused energy can be banked for future use.



### **Turnkey Energy Efficiency:**

An easy way to lower your organization's carbon emissions and save money is by reducing the amount of energy your building uses. CoEnergy helps you to undertake those much-needed energy efficiency retrofits, allowing you to realize your cost savings potential, while raising your sustainability profile. These 100% financed, turnkey solutions provide savings from day one while improving overall conditions for work, life, and play.



### **Solar Operation and Maintenance:**

Ensure your solar projects are reaching their full potential through our affordable operations and maintenance services. You can rest easy knowing any issues will be quickly and efficiently addressed by our local, experienced team, keeping a close eye on your project with our detail-oriented remote monitoring.



### **Electrification Infrastructure:**

Whether you are a business owner with a vehicle fleet or a building owner, CoEnergy can help with the charging infrastructure and/or heat pumps you need to make a seamless transition to electric. Our technical team can help determine what technology is right for your needs, and work with you to design, source, and implement your electrification project.

For more information visit <https://coenergy.coop/services/>

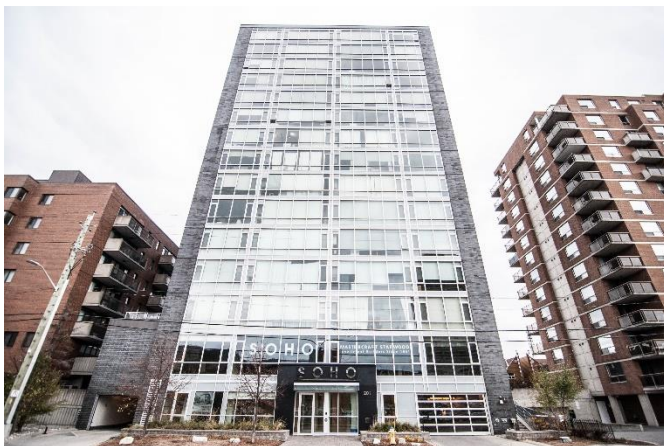
## Project Profiles

### RA Centre Lighting Retrofit

<b>Building Owner</b>	Recreation Association of the Public Service of Canada
<b>Address</b>	1451 Riverside Drive, Ottawa, ON
<b>Project Type</b>	Indoor & outdoor LED retrofit
<b>Annual Savings</b>	\$58,000
<b>Project Cost</b>	\$210,000
<b>Completed</b>	July 2019
<b>Partner(s)</b>	Lightenco
<b>Financier</b>	100% CoEnergy
<b>Agreement type</b>	6-year lease-to-own "Energy as a Service" contract



### SOHO Condo Parkway



<b>Project Type</b>	Indoor & outdoor LED retrofit
<b>Annual Savings</b>	\$16,000
<b>Completed</b>	July 2019
<b>Partner(s)</b>	Lightenco
<b>Financier</b>	100% CoEnergy
<b>Agreement type</b>	4-year lease-to-own "Energy as a Service" contract

*At the request of the client, certain information has been withheld.*



### Paul Desmarais Secondary School, Stittsville, Ontario

<b>Building Owner</b>	Conseil des écoles catholiques du Centre-Est (CECCE)
<b>Address</b>	5315 Abbott St. E, Ottawa, ON
<b>Project Type</b>	Net metered solar PV
<b>Project Size</b>	286 kW DC / 227 kW AC
<b>Project Cost</b>	\$560,000
<b>Completed</b>	November 2020
<b>Partner(s)</b>	iSolara Solar Power, ANF Energy
<b>Equipment</b>	Panels: Canadian Solar (385 W) Inverters: Fronius
<b>Financier</b>	50% CECCE - 50% OREC
<b>Agreement type</b>	20-year lease-to-own 'Energy as a Service' contract



### Mer Bleu Secondary School, Ottawa Ontario



<b>Building Owner</b>	Conseil des écoles catholiques du Centre-Est (CECCE)
<b>Address</b>	6401 Renaud Rd., Ottawa, ON
<b>Project Type</b>	Net metered solar PV
<b>Project Size</b>	351 kW DC / 295 kW AC
<b>Project Cost</b>	\$640,000
<b>Completed</b>	November 2020
<b>Partner(s)</b>	Execon, iSolara Solar Power, ANF Energy
<b>Equipment</b>	Panels: Canadian Solar (385 W) Inverters: Fronius
<b>Financier</b>	50% CECCE - 50% OREC
<b>Agreement type</b>	20-year lease-to-own 'Energy as a Service' contract

**Canada Science and Technology Museum,  
Ottawa Ontario**



<b>Building Owner</b>	Ingenium (Fed. Crown Corp.)
<b>Address</b>	1867 St. Laurent Blvd., Ottawa, ON
<b>Project Type</b>	Net metered solar PV
<b>Project Size</b>	254 kW DC / 216 kW AC
<b>Avg. Annual Projected Savings</b>	\$27,000
<b>Project Cost</b>	\$475,000
<b>Completed</b>	July 2019
<b>Partner(s)</b>	iSolara Solar Power, ANF Energy
<b>Equipment</b>	Panels: Canadian Solar (330W) Inverters: Fronius
<b>Financier</b>	100% OREC
<b>Agreement type</b>	30-year lease-to-own 'Energy as a Service' contract

## Our Collaborators

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### **Arborus Consulting - [www.arborus.ca](http://www.arborus.ca)**

Arborus brings over 30-years of design engineering, energy analysis and development consulting for high performance buildings and renewable energy. Arborus offers a mix of knowledge-based research & analysis with application engineering, covering both supply and demand of energy.

### **Robin Hutcheson, PEng, LEED® AP, CxA**

*President & Chief Engineer*

Robin has 30+ years of experience in the building industry and has spent the last fifteen years working exclusively on energy efficiency, green building and renewable energy projects. Robin is recognized as an industry innovator and trusted resource in the areas of energy & buildings. Robin has been involved in advancing environmental issues since the 1980s and is a Climate Leader with Al Gore's Climate Reality Project.



### **Lightenco - [www.lightenco.com](http://www.lightenco.com)**

Lightenco (Lighting Enhancement Corporation) - an award-winning team of lighting designers working in Ontario and Québec to help businesses reduce their lighting costs with enhanced lighting systems.

Personnel profiles available upon request.



### **Etrilum Light Inc. - [www.etrilum.ca](http://www.etrilum.ca)**

Etrilum Light Inc. is an Ottawa-based LED lighting solutions provider, working across Eastern Ontario since 2008. Etrilum brings extensive industry knowledge, project management skills and customer service excellence.



### **Ottawa Renewable Energy Co-operative (OREC) - [www.orec.ca](http://www.orec.ca)**

OREC has developed 21 solar projects since its incorporation in 2010, mobilizing \$8 million of community investment to finance these projects.

OREC has an experienced team of engineers and solar operations and maintenance professionals. OREC helped incubate CoEnergy Co-operative in 2018.

### **Vadim Belotserkovsky, P. Eng.**

*Project Manager*

Vadim is a mechanical engineer by training with over 20 years experience in the field of renewable energy. His expertise includes project management, wind and solar resource assessment, feasibility studies and early-stage project development, energy and financial analysis, market studies, training and business development. Vadim has a broad range of experience in solar energy. Vadim also

assisted Natural Resource Canada in the development of the RETScreen International energy analysis software, including providing training on PV and solar thermal modules to energy professionals across Canada and abroad.

**Peter Manson**

*Technical Manager*

Peter has 30 years' experience as a software developer, network standards author and manager of software development and test teams at several technology companies including Nortel, Cisco, Solace Systems, QNX and Blackberry. He began working in OREC's Technical Team in 2014 and has since taken on responsibilities relating to monitoring, operations, maintenance and optimization of OREC's portfolio of solar sites. Peter has a Bachelor of Mathematics degree in Computer Science from the University of Waterloo.



**iSolara Solar Power - [www.isolara.com](http://www.isolara.com)**

Since 2003, iSolara has installed over 14 MW DC of rooftop solar PV systems, and are the largest solar company in Canada east of Toronto. iSolara has a team of engineers, and undertakes solar layouts and electrical design, as well as installation of racking, solar panels and DC wiring. iSolara subcontracts electrical installation services to the most reputable electrical companies in Ottawa.

Personnel profiles available upon request.



**Execon Roofing & Solar - [www.execonconstruction.com](http://www.execonconstruction.com)**

Solar installers with a roofing background. Execon bring experience, flexibility and a deep understanding of solar to all their project. Based in Ottawa, Execon works across Eastern Ontario and Quebec.

Personnel profiles available upon request.



**GP Joule - [www.gp-joule.com](http://www.gp-joule.com)**

GP JOULE offers a complete range of products and services for medium to large renewable energy projects. GP JOULE provides true full turnkey EPC services, and can also manage all commercial, operation and maintenance services for plants in production.

Personnel profiles available upon request.



### **Apricity Renewables – [www.apricityrenewables.com](http://www.apricityrenewables.com)**

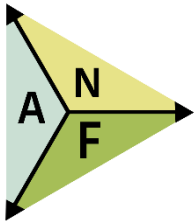
Apricity Renewables Inc. (ARI) is an award winning Canadian Professional Engineering Firm that specializes in delivering engineering for solar, storage and Distributed Energy Resource (DER) projects. ARI lives and breathes renewable energy and drives a culture of constant improvement to ensure that we remain on the forefront of the energy revolution. Our team combines 375MW of solar and storage engineering & construction experience with over 10,000 hours in the field. ARI was awarded the 2017 Canadian Solar Industry Association’s “Gamechanger Award for Solar Service Excellence.

### **Nate Preston, M.ASc**

*Vice President*

Nate is a demonstrated leader with experience in managing PV construction projects including design and resource-planning, regulatory compliance, procurement, installation and commissioning. Nate has participated in project management, design and engineering services for over 150 PV projects across Ontario and Alberta.

Other personnel profiles available upon request.



### **ANF Energy Solutions – [www.anfenergy.ca](http://www.anfenergy.ca)**

ANF Energy is an Ottawa based company offering professional engineering services, with a focus on development of controllers for distributed generation systems. ANF Energy has worked with biogas, solar, wind, run-of-the-river hydro, and landfill gas projects.

### **Aidan Foss, PhD, P.Eng, SMIEEE**

*President*

Aidan has over 35 years of professional engineering experience covering power, control, software and electrical engineering. A graduate in mathematics from Cambridge University with a doctorate in turbine control from Imperial College, Aidan initially specialized in computer control for industrial and off-shore applications. In 1990, Aidan joined the National Grid Company, focusing on generator-grid interconnection, frequency and voltage control, and power quality. In 2001, Aidan moved to Ottawa and co-founded ANF Energy, providing engineering services for distributed generation, and in particular for grid interconnection. He cofounded the IEEE Canada Electrical Power & Energy Conference in 2001, and received the IEEE Power & Energy Society Chapter Outstanding Engineer Award in 2013. He has been a Licensed Professional Engineer in Ontario since 2003.