

IN ATTENDANCE

Members

Behzad Hosseinpour	Maple Leaf	behzad.hosseinpour@mapleleaf.com
Sebastijan Zupanec	Nahanni Steel	s.zupanec@nahannisteel.com
Jonathan Taimla	Lincoln Electric	jonathan_taimla@lincolnelectric.com
Doug Dittburner	Ferrero	doug.dittburner@ferrero.com
Jeremy Laflamme	Ferrero	jeremy.laflamme@ferrero.com
Anurag Verma	Ferrero	anurag.verma@ferrero.com
Eva Musso	BASF	eva.musso@basf.com
Ravi Chauhan	BASF	ravi.chauhan@basf.com
Nathan Silverman	Dishon Limited	nathans@dishoncnc.com
Katelyn Marie Poyntz	Unity Health Network	katelyn.poyntz@unityhealth.to
Darren Borden	Wonder Brands Foods	darren.borden@wonderbrands.com

Staff

Matt Brunette	TRCA	matt.brunette@trca.ca
---------------	------	-----------------------

REGRETS

Mark O'Connor	Arterra Wines Canada	mark.oconnor@arterracanada.com
Alex Smyth	Arterra Wines Canada	alex.smyth@arterracanada.com
Patrick Huynh	Maple Leaf	patrick.huynh@mapleleaf.com
Leaya Amey	Maple Leaf	leaya.amey@mapleleaf.com
Mary Bianco	Maple Leaf	mary.bianco@mapleleaf.com
Mark O'Connor	Arterra Wines Canada	mark.oconnor@arterracanada.com
Alex Smyth	Arterra Wines Canada	alex.smyth@arterracanada.com
Melissa Jones	Unilever	melissa.jones2@unilever.com
Catherine McVitty	Unilever	Catherine.Mcvitty@unilever.com
Yetunde Emmanuel	Unilever	YETUNDE.EMMANUEL@unilever.com
Craig Rock	Toronto Pearson	craig.rock@gtaa.com
Ashish Patel	Toronto Pearson	ashish.patel@gtaa.com

Evan Green	Sheridan College	evan.green@sheridancollege.ca
Anthony Tummillo	Lincoln Electric	anthony_tummillo@lincolnelectric.com
Paul Saliba	Lincoln Electric	paul_saliba@lincolnelectric.com
Andrew Marques	Lincoln Electric	andrew_marques@lincolnelectric.com
Adrian Khan	Mother Parkers	akhan@mother-parkers.com
Kwame Danso	Mother Parkers	kdanso@mother-parkers.com
Nicole Savard	Pratt and Whitney Canada	nicole.savard@pwc.ca
Ron Leslie Robinson	Pratt and Whitney Canada	ron.robinson@pwc.ca
Rajeev Dhiman	Molson Coors	rajeev.dhiman@molsoncoors.com
Chaiston Morrison	Molson Coors	Chaiston.Morrison@molsoncoors.com
Jeff Frischman	Algood Caster Innovations	jeff@algood.com
Adrian Khan	Mother Parkers	akhan@mother-parkers.com
Kwame Danso	Mother Parkers	kdanso@mother-parkers.com
Lena Hellyer	Flynn/ RESCo	Lena.Hellyer@rescoenergy.com
Nathaniel Magder	Trillium Health Partners	nathans@dishoncnc.com
Andrew Williams	Kingspan Insulated Panels	andrew.williams@kingspan.com

AGENDA

Time	Activity
1:00pm – 1:15pm	ELC 2022 In Review
1:15pm – 2:30pm	Member Roundtable – 2022 Updates
2:30pm – 3:00pm	ELC 2023 Planning

MEETING MINUTES

#1 – Roundtable Discussion

- **BASF**
 - Biggest achievements for 2022 have come through working with their sites across Canada. Proud of the work they are doing with Iron & Earth and Bullfrog Power in Western Canada – currently working with indigenous community in Edmonton to train individuals and build wind turbine to power local community college.
 - Also looking at renewables on site at their facilities for power generation. Conducting feasibility studies. For their two Ontario sites, feasibility studies showing that solar PV not currently economic.
 - Another big achievement for the year includes scope 3 emissions and employee engagement. Their clean commuting program engages employees to reduce the emissions from their commute and travel. Employees submit surveys that track how they are saving emissions (carpooling, efficient driving). The program launched earlier this year.
 - Interests for next year include monitoring Federal and Provincial policy for hydrogen, electric vehicles, employee engagement and electrification at their facilities
 - In conversations with U of Calgary – Master of Science and Sustainable Engineering program – looking for students to support an assessment of renewables at their facilities

- **Dishon Limited**
 - In 2022 installed air curtains in two facilities, taking advantage of Enbridge incentives (covered almost 70-80% of cost). data from winter months before analyzing the results and understanding the improvement in energy use.
 - Purchased 10 new machines this year. With each new piece of equipment, they are purchasing sensors to measure energy use and productivity/ usage. Want to understand how much energy they are using.
 - No projects yet for 2023 but are looking for ideas from other ELC members. Biggest interest in electricity projects as the majority of energy consumption is electricity. Natural gas footprint is relatively small.

- **Ferrero**
 - The Canadian Industry Partnership for Energy Conservation (CIPEC) will be starting monthly webinars in the next month or so, focusing on building and process efficiency opportunities.
 - In the final stages of procurement for large renewables project at Brantford facility. The service provider has been selected, next working on the economic analysis before moving forward with contracts and implementation. Approval anticipated for mid-year 2023. From there will move forward with phases of construction. More details will be provided to ELC once finalized.
 - Current project scope looking at solar PV, batteries, and wind. The wind turbine capacity will likely be smaller than the 5MW initially proposed depending on if the economics make sense.

- Next year will be conducting a process integration study that will look for opportunities to reduce waste heat in cooling tower loop. Open to suggestions from the rest of the consortium who have done integration studies in the past.
- Areas of interest for next year include biogas. Looking forward to additional ELC sessions on the topic and opportunities for collaboration in ELC.

- **Lincoln Electric**
 - Project highlights for 2022 include: improvements to oven – switched to electric, updating controls now and doing repairs and maintenance – this will provide more control on heating cycles.
 - Another project involves switching the motors in one of their production lines – expected to improve efficiency by 25%.
 - Also improving data collection – adding flow meters for natural gas. The meters will be for entire facility and should be installed soon.
 - Challenges for 2023 include labour shortage and internal capacity to get projects done.

- **Maple Leaf Foods**
 - Highlights for 2022 include: condensate recovery in boilers, air leak recovery, waste heat recovery, water saving projects, water consumption on daily basis.
 - Behzad Hosseinpour was also a winner of the 2021 Energy Manager of the Year Award!
 - They have looked at the potential for solar at facilities in southwestern Ontario and western Canada. Currently considering proposals from two service providers. Some of the proposals looking at steam, hot water for sanitation. Currently reviewing different options and chasing funding. Challenges with developing the business case for solar.
 - Another project involves looking into efficiency opportunities for refrigeration compressor. Have about 9 large compressors that are impacted by seasonality and shift changes.
 - Plans for next year include boiler upgrades and replacement as well as pursuing LEED certification.
 - Other topics of interest include hydrogen and renewable natural gas.

- **Nahanni Steel**
 - In 2022 purchased flow meter system from Renteknik. About 80% of installation complete. Challenges this year due to capacity and labour shortages.
 - Making changes with management team and focusing on ISO 14001 certification. Meeting with customers and doing prep work. Looking at low hanging fruit opportunities and building the internal culture/ mindset for environmental management and continuous improvement.
 - Planning to incorporate data analysis and savings mindset into company culture in 2023. Once system fully operational will be able to better analyze data.
 - Using the ISO 14001 management system as a launching pad will help build the culture they are targeting. Will re-evaluate capacity and labour challenges next year. Need hybrid personalities that can manage competing priorities.

- Another challenge is identifying priority projects with limited capacity and resources. Through data analysis should be better able to understand priorities and act on them.
- **Unity Health Toronto**
 - Big achievement for 2022 includes Emily Huang and Shailesh Abhang winning the 2022 Energy Manager of the Year Awards.
 - Priorities for next year include looking at larger initiatives. Currently engaging with Noventa Energy to look at heat recover opportunities across all 3 sites. Also considering solar PV opportunities for less shaded sites.
 - Delayed responses from NRCan Low Carbon Economy Fund for their funding application. Hoping to hear if application successful or not within the next month. Also looking at ISO 50001 funding for strategic energy plan.
 - Challenges include the complexity of their facilities and how systems work together. Its not intuitive as many systems have been overlayed and integrated on top of each other over the years. This results in projects taking a lot of time, study to define scope and makes things hard to prioritize. Another challenge is procurement process, with any project over \$20K requiring RFQs. This can lead to significant project delays.
 - Interested in learning more about alternative procurement processes that can help maximize their ability to implement projects (e.g., alternative proposal processes or service contracts for common equipment like VFDs).
- **WonderBrands Canada (Weston Foods)**
 - With company acquisition and merger, many typical energy projects have been put on hold. No goals were set for 2022 but hoping that will change next year. Priorities for 2022 have been looking at efficiency opportunities and energy procurement while the company figures out their finances after the merge.
 - Challenges include convincing management where there might be savings opportunities through efficiency or energy procurement. Hoping this will change next year.
 - Company consolidating business, two new facilities may be coming in 2023. This includes some new construction and new equipment for existing building in east end of GTA.
 - Darren recently attended another webinar on hydrogen. Process produces almost pure CO₂ as waste product from methane reformation. Provides a great opportunity for CERT carbon capture system discussed during the UofT ELC event. Darren has reached out to Dr. Edwards as this provides a great circular economy opportunity.