

ELC Roundtable Online

August 17th, 2023 from 1:00pm-2:30pm

IN ATTENDANCE

Members

Phil Dick	Business Resource Specialist	OMAFRA
Jen Aitchison	Senior Account Executive	RESCo Energy
Martin Bohl	Sector Manager-Food Processing, Logistics and MedTech	City of Brampton
Adir Dishy	Director	Dishon Ltd
Babak Beglarzadeh	Manufacturing Engineer	Dishon Ltd
Behzad Hosseinpour	Energy and Sustainability Manager	Maple Leaf Foods
Doug Dittburner	First Class Chief Stationary Engineer	Ferrero
Mohamed Ghorab	Energy Modeler	Sherian College
Adam Vaiya	Advisor, Office of Climate Change and Energy Management	Region of Peel
Craig Rock	Manager, Energy and High Voltage Maintenance	GTAA
Jeremy LaFlamme	Environmental Sustainability and Energy Manager	Ferrero
Emily Huang	Energy Project Manager, Engineering and Plant Services	UHN
Rajeev Dhiman	Chief Operating Engineer	Molson-Coors
Darren Borden	Environmental Manager/ Sourcing Team Plant Manager - 675 Fenway	FGF Brands

REGRETS

Anurag Verma	Environmental Sustainability and Energy Specialist	Ferrero
GC Acharjya	Manager, Q.A./ Engineering	Algood
George Agil	Corporate Services - Operations Lead	Trillium Health Partners
Katelyn Poyntz	Director, Project Engineering & Energy	Unit Health Toronto
Evan Green	Manager, Engineering for Sustainable Development	Sheridan College
Fidel Reijerse	President	RESCo Energy

Ashish Patel	Energy Specialist	GTAA
Eva Musso	Head of Sustainability and Government Relations	BASF
Mariana Salazar	Sustainability and Government Relations Specialist	BASF
Ravi Chauhan	Manager, Sustainability and Govt Relations	BASF
Adrian Khan	Senior Manager, EHS&S	Mother Parkers
Andrew Williams	Commercial Director	Kingspan Insulated Panels

AGENDA

Time	Activity
1:00 – 1:15pm	Introduction and Updates <i>from PPG</i>
1:15 – 1:35pm	Member Presentation: Ferrero
1:35 – 2:30pm	Member Roundtable & Discussion <ul style="list-style-type: none"> • Member GHG Reduction Targets • Member Project Updates & Challenges • NRCAN GIFMP Discussion • Other Items

FOLLOW UP ACTIONS AND COLLABORATION

August 2023

- PPG to connect Emily with Enviro-Stewards
- Share the Ministry of Energy Feedback request again
- Share registration link to the **Maximizing Plant Effectiveness Webinar** when it comes available

MEETING MINUTES

#1 – PPG Updates, Reminders, & Intro

- See slide deck attached to email

#2 – Member Presentation: Ferrero

- Reduce global scope 1 & 2 emissions by 50% by 2030 from 2018 baseline
 - Goal for scope 3 but not directly working on this in Brantford
- Scope 1 emissions reduction project in combined heat and power waste heat recovery
- Use waste heat from turbine to heat water
- Microgrid PPA with **Siemens/Calibrant**, reduce Scope 2 emissions with on-site renewables, will produce 25,000 MWh/annually. Working with consultant **Power Advisory** (positive work experience). Assets will be owned and operated by Calibrant. Used the **Clean Technology Investment Tax Credit**.
 - 1 MW wind turbine
 - 9 MW solar array (on site, grid connection, close to the buildings)
 - 16 MWh battery (peak-shaving measure)
 - Osler is helping with the legal contractual terms
- Feasibility study on decarbonization project with **Ecosystem Energy** (highly recommended)
 - Redefine co-gen operation
 - Use existing boilers to generate full steam load
 - Use waste heat from air compressors and chillers using heat pumps for hot water generation
 - Install 4 MW of electric boilers
 - Did apply for **GIFMP with NRCan**
- Energy Management Information System
 - Dashboards for each energy consumption KPIs
 - In-house App will be ready in Sept, 23
 - In Sept of 2023, energy management integration will be part of plant governance on a weekly basis in \$/tonne of production
- Biogas feasibility study with Centennial College
 - Should be done by end of 2023
 - Looking from food waste and sugar water as feed stock to a BioDigester
 - Currently use evaporator to boil down sugar water to truck away

#3 – Member Roundtable & Discussion

Dishon

- Introducing Babak, their manufacturing engineer and managing projects at Dishon

- Looking to update compressors
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Ferrero Rocher

- Steam-trap monitoring system with **Pulse Industrial**, installing clip-on traps and will be installed within a week
- New efficient air compressor coming in
 - Going with Centrifugal
- Need more cooling tower capacity, would rather
- Have also worked with Enviro-Stewards on the heat-recovery piece

FGF Brands (Formerly Weston Foods/ Wonderbrands)

- No new projects to report at this time

Region of Peel

- This year, passed net-zero standards on new construction through Canada Green Building Council (8 new buildings)
- Commissioned a study to look at all properties to transition gas to electrical
 - What would capacity be?
 - Primarily with Alectra
 - Exploration phase
 - Fleet electrification feasibility included in this
- Region disappearing in 2025 so some projects on hold but also have some flexibility on others
- Ministry of Energy is taking comments on (mentioned in Direct Current)
- Work with TAF directly and anticipating very big increase in Scope 2 emissions for 2022

Unity Health Network (Unity Health Toronto)

- UH Toronto has signed up for the SEM program
- Starting to look at different model of new projects
 - A partner to let them know what they can do to increase energy efficiency
 - Phil suggested a consultant working in the food industry for years, Enviro-Stewards
 - Looking for a vendor to give suggestions for a deeper retrofit than they would have thought

OMAFRA (Phil)

- IESO Commissioned **Goldfin Consulting** to run a **Strategic Energy Manager Program**, coaching and group effort, very important for IESO to get a particular food group going
 - o Minimum electricity use is \$390,000
- ELC is a learning exercise for the government and he appreciates this group
- Created a playbook of the energy leaders in the past 25 years
- In November Phil will be hosting a **Maximizing Plant Effectiveness Webinar**
 - o Understanding pathway for economic and environmental managing footprints and costs
 - o Will be posted for registration in September