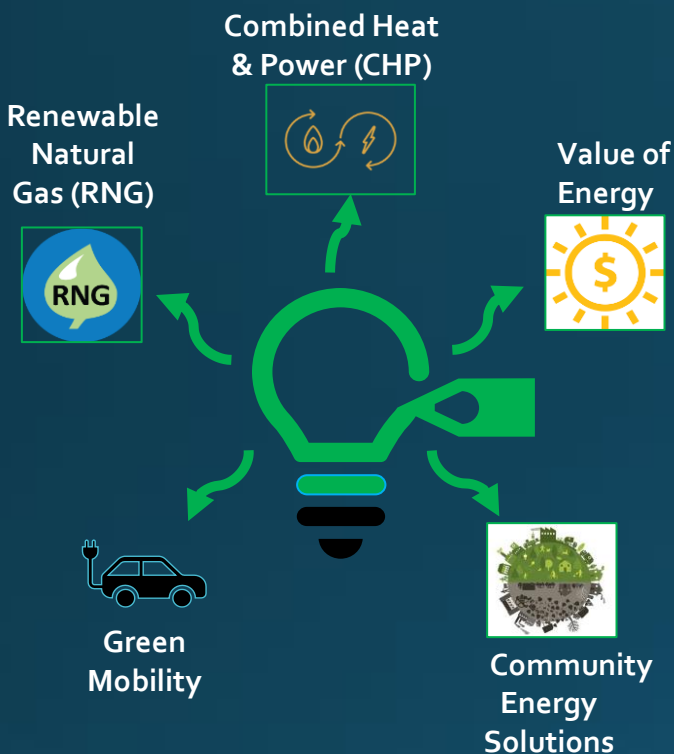
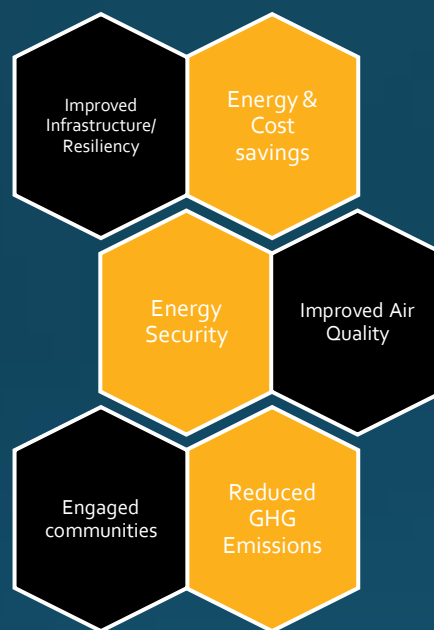


Laszlo Energy Services (LES) is an energy consulting firm that provides energy and carbon policy strategy and communications expertise to businesses, energy utilities, real estate managers and developers, technology and service providers, and the government.

Sustainable Energy Pathways



Benefits



Key Takeaways

- #1. There are several pathways to achieving sustainable energy futures. Some pathways involve greening the existing infrastructure and others would involve new clean energy projects. Both pathways can be implemented simultaneously.
- #2. CHP technology is not a 'one-size fits all' solution for energy conservation/efficiency as its viability varies from one province to the other, as well as from one end-user sector to the other. While there may be technical potential for CHP across provinces and sectors, its viability will ultimately be determined by economical, political and other considerations /factors.
- #3. The source of energy used determines the value gotten out of each unit of energy consumed, therefore, affordable access to clean energy sources is key to get the most value.
- #4. The presence of enabling government policies (at all levels) could be a deal breaker to success or otherwise.

Major Project: CHP potential study

- ❖ Estimation of the technical, economic and achievable national and provincial Combined Heat (thermal) and Power (electrical) potential for industrial, commercial/ institutional and multi-unit residential buildings .
- ❖ CHP, also referred to as cogeneration, is the efficient simultaneous production of thermal energy and electricity from a single fuel source. Natural Gas is the fuel of interest in this study.
- ❖ The purpose of the study is to identify, quantify and document the opportunities to leverage the benefits of CHP by informed decision making.

Roles / Contributions

- ❖ Data collection and analysis of Industrial, Commercial/Institutional customer segments for CHP potential study.
- ❖ Updated data and utility bills calculations for Ontario Residents in understanding how the value of energy is determined by different energy sources.
- ❖ Analysis of a financial model for Electric Vehicle (EV) charging in Multi-Unit Residential Buildings (MURBs).
- ❖ Suggested website improvements and updates.
- ❖ Prepared presentation on Renewable Natural Gas (RNG) Handbook for municipalities in the Greater Toronto and Hamilton Areas (GTHA).

Did you know?



Canada is one of the most energy and emission-intensive countries in the world.



Canada's natural gas utilities have a RNG-blended natural gas target equivalent to removing 3 million passenger cars from the road by 2030.