

Clean Transportation, Clean City: Toward a Net-Zero Future.

Tuesday May 07th from 6:00PM to 9:00PM, Mississauga, South Common Community Center



Stephen Bacchus, MBA, PMP, B.Eng.
Manager, Transit Fleet Engineering
& Asset Management
City of Mississauga (MiWay)



Mark Marmer
Owner, Signature Electric



Mike Voll
Global Sector Leader, Smart
Technologies, Stantec Consulting Ltd.

Clean Transportation, Clean City: Toward a Net-Zero Future.

Agenda

Tue May 7th, from 6:00pm to 9:00pm	Period	Speaker
Networking – Coffee and Donuts	6:15 to 6:25	
In collaboration with Mercedes-Benz Mississauga Van Center an EV Truck will be demoed at the parking lot	6:15 to 8:00	Mercedes-Benz Mississauga Van Center an EV Truck Demo- General Manager, Anwar Somani
Opening	6:25 to 6:30	Mo- PEO-MC
Topic 1	6:30 to 7:00	Stephen Bacchus- City of Mississauga
Break- Snack	7:00 to 7:10	
Topic 2	7:10 to 7:40	Mark Marmer -Signature Electric
Break	7:40 to 7:45	
Topic 3	7:45 to 8:15	Mike Voll -Stantec Consulting Ltd
Panel , Closing Remarks	8:15 to 8:45	Stephen, Mark and Mike

Presentation highlights

- Mississauga's Climate Change Action Plan Goals
- MiWay's Road to Decarbonization & Fleet Planning
- Technical Dive Into Zero-Emission Bus Technologies
- Risks, Challenges, and Policy Considerations for the Future

Stephen Bacchus is the Manager of Transit Fleet Asset Management & Engineering at the City of Mississauga. He is directly responsible for the asset management and engineering for 500 MiWay transit buses and 80 light-duty fleet support vehicles, with a replacement value of \$620 Million. Stephen manages the technical support, procurement, asset management, capital program, and data analytics teams that provide evidence-based recommendations to inform budgets, strategic plans, and operations and maintenance.

Stephen has more than 10+ years of public and private sector work experience, leading technical and strategic teams to deliver on organizational short- and long-term objectives.

Today, Stephen stands as a visionary leader whose commitment to prioritizing climate action and spearheading decarbonization initiatives has paved the way for a cleaner and more sustainable future in public infrastructure.



Stephen Bacchus, MBA, PMP, B.Eng.
Manager, Transit Fleet Engineering
& Asset Management
City of Mississauga (MiWay)

Presentation highlights:

- Is dynamic load management a must?
- Different approaches for different use cases (MURB vs Fleet vs Public)
- Is 100% EV-ready a sensible approach?
- The future of EV Charging - Batteries & Peak Shaving

Mark Marmer is a master electrician who is both the owner and founder at Signature Electric Contracting & Energy Advisors. With a successful track record spanning over 38 years, Signature Electric has established itself as a premier provider in the electrical service industry.

Notably, over the past 9 years, the company has expanded its expertise to include a dedicated division that focuses on the installation of electric vehicle chargers. This division has successfully implemented charging solutions in diverse settings such as fleets, businesses, retail locations, condominiums, and single-family residences.



The picture is a charging station designed, installed, and commissioned by Signature Electric for a pharmaceutical client in North York



Mark Marmer
Owner, Signature Electric

Presentation highlights:

- *Economic and regulatory drivers for fleet electrification*
- *Impacts of heavy-duty vehicle and vessel charging*
- *Utilizing Battery Energy Storage Systems (BESSs) to help support constrained grids*
- *Where a BESS can work and where it might not work, and why*
- *Factoring Non-Wire-Solutions like BESS's into electricity grid planning*

Mike Voll is the Global Sector Leader for Stantec's Smart Technology services. He has almost 40 years of experience with both industrial and power clients serving positions with equipment suppliers, manufacturers, system integrators and the last 21 years with Stantec. In the last 15 years, Mike has driven North American grid rehabilitation and energy transition efforts through Stantec's involvement in gigawatts of solar PV and battery storage projects as well as thousands of megawatts of electric vehicle and fleet charging infrastructure.

Mike is an active member of the Canadian Standards Association (CSA), American Clean Power (ACP) as well as Energy Storage Canada (ESC) and has supported both utilities and iconic developers in the roll-out of their grid modernization, smart city, and vehicle electrification programs.



Mike Voll

Global Sector Leader, Smart Technologies, Stantec Consulting Ltd