Today’s agenda will cover sustainable choices to improve operations and eliminate downtime. We will discuss best practices and innovations concerning energy storage technologies, electrification, and other wayside and infrastructure technologies.

8:30-9:00  Arrival and breakfast
9:00-9:15  Welcome

Daniel Simounet
Director of Transportation
ABB, Americas

9:15-9:45  Keynote: LA Metro energy efficiency initiatives

The Los Angeles County Metropolitan Transportation Authority is in the midst of expanding its transportation network for the next 30 years. Completing the projects right is paramount to achieve the agency’s transportation goals; but building the right projects are key to ensuring LA Metro’s infrastructure, operational, and human capital resiliency.

Cris Liban, D.Env., P.E.
Executive Officer, Environmental Compliance & Sustainability
Metro Los Angeles

9:45-10:15  Wayside Energy Storage on the LA Metro Subway - Saving Energy Every Day

LA METRO subway service runs six-car trains at up to 65 mph at five minute headways. The Vycon-Tenco flywheel-based 2 MW 15 s Wayside Energy Storage Substation (WESS) at the Westlake TPSS reduces energy usage by capturing and reusing train braking energy. WESS has saved 10 to 18% of the traction power energy at the Westlake TPSS, every day, with an average of about 14%.

David Turner
President, Turner Engineering Corporation

Co-presenter: Frank Castro, Supervising Engineer Traction Power, LA Metro

10:15-10:30  Break
10:30-11:00  A hybrid energy storage system: braking energy recovery

Following successful Wayside Energy Storage System (WESS) projects at SEPTA, a network wide deployment will occur in 2016. You will learn about WESS topologies, as well as benefits of braking energy recovery and Smart Grid services in a rail environment.

Patrick Savoie
Business Development Manager, Rail Transportation, DC Wayside Power
ABB, North America

Andrew Wilkins
Business Development Manager, Rail Transportation, DC Wayside Power
ABB, North America

11:00-11:30  On Board Energy Storage System

On board energy storage is a popular request in modern mass transit tenders. What are the key drivers and requirements for on board energy storage systems and what is the best suitable solution for different applications.

Patrik Scherrer
Product Manager
ABB, Switzerland

11:30-12:15  Energy storage panel

Are different wayside energy storage technologies and onboard storage competitive to one another or complementary solutions?

Moderated by: Daniel Simounet
Panelists: David Turner, Patrick Savoie, Patrik Scherrer, and John Smatlak, Senior Consultant at Interfleet Technology

1:15-1:30  Introduction to ABB technologies & best practices

1:30-2:15  Electrification of rail networks from high speed to light rail applications

Reliably integrate new rail systems into load sensitive networks by leveraging interconnection solutions and advanced grid technologies such as static frequency converters and statcoms. Partnering with an EPC for upfront design, engineering, construction and commissioning of rail power supplies can enable safe and optimized connection to the local utility grid.

Matthew Vaughan
Business Development Manager
Power Systems Substations, ABB

Pat Hayes
Business Development Manager
Power Conversion, ABB NAM
2:15-2:45 Transformer technologies and maintenance practices that keep trains running

ABB Dry type transformer technologies provide safe, efficient and environmentally friendly solutions for rail systems, while preventative maintenance programs for onboard and trackside transformers can help avoid unexpected downtime to keep trains running on schedule.

Louis du Plessis
Business Development Manager, Transformer Services
ABB, North America

Jason Lambert
Channel Manager - EU Sales - Dry Type Transformers
ABB, North America

2:45-3:00 Break

3:00-3:45 Next generation of AC traction equipment

Today’s AC Traction technology can help operators reduce life cycle cost, increase rider quality and operational efficiency, while preserving the environment. Learn about the latest technologies available today for liquid cooled AC Traction and AC Traction Systems with a modular integrated design.

Steven Ojalvo
Account Manager, Mass Transit Applications
ABB, North America

David Caron
Account Manager, Locomotive Applications
ABB, North America

3:45-4:15 One synergized approach to low voltage design

Using a synergized approach to low voltage design can provide many benefits including cost savings with zero reliability impact, weight reduction, and improved reliability, passenger comfort, and eco-friendliness.

Oleg Goureev
Railway product & systems manager, Low Voltage
ABB North America

4:15-4:45 Closing remarks and Q&A

Daniel Simounet, Director of Transportation