



**Capital District Clean Communities and CDTC Freight Advisory Committee
Multi-Modal Alternative Fuel Vehicles Showcase
Date November 9th • 9:00 am to 11:30 am**

Attendance

Audrey Burneson, NYSDOT Region 1

Peter Comenzo, Town of Rotterdam

Lorenzo Cuneo, NYSDOT

Jack Darrah, SMS Rail Lines

Valerie Deane, NYSDOT Region 1

Jeff Emerine, BYD

Louis Esposito, OOIDA and Town of
Princetown

Chanchilo Ezung, NYSDOT Main Office

Jeff Flagg, City of Glens Falls

Shane Gilchrest, NYSDOT

Kendra Hems, TANY

Brett Hotaling, Village of Voorheesville

Mike Izdebski, PlugPower

Aimee Johnson, Town of Colonie

Dr. Catherine Lawson, UAlbany/AVAIL

Reema Loutan, EPA

Gautam Mani, FHWA

Matt Meyer, Dannar Mobile Power Systems

Kurt Miles, CSX

Thomas Morkan, MARAD

Susan Olsen, NYSDOT Region 1

George Penn, Albany County

Tom Phelan, Gannett Fleming/BHX
Engineering

Nicholas Raspanti, Zeem Solutions

Laura Robertson, Town of Niskayuna

David Rosenberg, NYSDOT

Mike Rushford, NYREER LLC

John Scavo, Town of Clifton Park

Dave Schmitz, Price Chopper/Market 32

Brian Stanley, NYREER LLC

Royal Stanton, Northeast Equipment
Connections

Natalie Tauro, NYSERDA

Erik VandenBerg, GE

Chris Wallin, City of Schenectady

Jeff Wojtowicz, RPI

Chris Bauer, CDTC

Jacob Beeman, CDTC/CDCC

Mohammed Ibrahim, CDTC

Alaina Livecchi, CDTC

Sandy Misiewicz, CDTC

Rebecca Odell, CDTC

Chaim Simon, CDTC

Meeting Notes

1) CDTC Freight Planning Update (Chris Bauer, CDTC)

Chris provided several freight planning updates. NCHRP Report 998: Planning Freight-Efficient Land Uses: Methodology, Strategies, and Tools has been released. There will be a presentation on the report at the December 20 CDTC New Visions webinar. The report can be found at: <https://www.trb.org/Main/Blurbs/182807.aspx> NCHRP Report 998.

FHWA recently released a Truck Parking Handbook which can be found at:

https://ops.fhwa.dot.gov/freight/infrastructure/truck_parking/docs/Truck_Parking_Development_Handbook.pdf

The American Transportation Research Institute (ATRI) released its annual Critical Issues in Truck Industry report, which can be found at: <https://truckingresearch.org/wp-content/uploads/2022/10/ATRI-Top-Industry-Issues-2022.pdf>

The tentative FAC Dates for FAC in 2023 are February 15, May 17, August 16, and November 15.

2) Regional Truck Parking Study Status Update (Tom Phelan, Gannett Fleming/BHX Engineering)

Tom provided an update about the ongoing Regional Truck Parking Study. The largest issue is along I-90 due to the lack of parking in MA. There is growing interest in viewing parking as part of the greater supply chain. As the supply chain becomes more streamlined there can be less demand for truck parking.

3) Jacob Beeman, Capital District Clean Communities Coalition

- New York Truck Voucher Incentive Program (NYTVIP) Presentation

Jacob provided an overview of the NY Truck Voucher Incentive Program. Over \$58 million has been allocated for purchasing zero-emission medium, heavy-duty (class 3-8) and off-road vehicles. Funding is available to both private and public fleets. Vehicles need to be operated for at least five years and reports are required for three years. There is a list of currently eligible vehicles, but others can be added if required information is submitted to NYSERDA.

Interested fleets can contact the voucher help for support (nytvip@energycenter.org).

4) Jeff Emerine, BYD (jeff.emerine@byd.com), Rochester, NY

- BYD 8Y Electric Yard Tractor

BYD manufactures forklifts, buses, trucks, and batteries. BYD vehicles are used in terminal operations, refuse collection and distribution/logistics. Available vehicles include class 8 trucks, yard trucks, and refuse trucks in addition to class 6 box trucks and refuse trucks. All are approved for NYTVIP vouchers.

5) Matt Meyer, Danner Mobile Power Systems (mmeyer@danner.us.com)

- Mobile Power Station

The mobile power station can power vehicles, lights, tools, act as a generator for special events, or be used for emergency preparedness.

The work vehicle can be configured for many different uses. It has a skateboard configuration and is designed for autonomous uses. Some possible uses are a plow, street sweeper, forklift, and skid steer (attachments are universal and can be used with any company's tools).

6) Nick Raspanti, Zeem Solutions (nraspanti@zeemsolutions.com)

- Medium & Heavy-Duty Transportation as a Service

Zeem builds and operates zero-emission fleet depots that transform the way medium- and heavy-duty fleets operate, providing immediate environmental benefits and economic savings. Basic "fleet-as-a-service" amenities include vehicle leasing, vehicle charging, secured parking, vehicle maintenance and cleaning, and lounge space for drivers – at one monthly fee. In addition, depots are used for opportunity charging for high-mileage fleets as needed. Zeem is deploying depots in locations across the country to accelerate fleet electrification and zero-emission mobility, serve as centers of technological innovation, and support the growing clean energy economy.

7) Royal Stanton, Northeast Equipment Connections, LLC

- Firstgreen Industries Electric Skid Steer (equipment on-site)

Northeast Equipment Connections (NEC), LLC is a local heavy equipment dealership located in Selkirk, NY and is an official supplier of a line of all-electric skid steers manufactured by Firstgreen Industries.

8) Mike Izdebski, Plug Power (MIzdebski@plugpower.com)

- HYVIA Master Van (vehicle on-site)

Plug uses renewable power to produce and store hydrogen across the US. Plug then transports the liquid hydrogen to depots for vehicles to fill. This is in addition to the engines and vehicles that Plug manufactures.

Fueling infrastructure is generally useful for fleets with 50+ units. Fill up takes a few minutes. Plug products are currently primarily forklifts but expansion is planned for box trucks, class 8 trucks, and buses. The best application is for vehicles that return to the depot at the end of the day.

Plug currently produces 50 tons of hydrogen per day with 500 tons planned for 2025.



CAPITAL DISTRICT CLEAN COMMUNITIES & CDTC FREIGHT ADVISORY COMMITTEE

MULTI-MODAL ALTERNATIVE FUEL VEHICLES SHOWCASE



November 9, 2022

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Today's Agenda

- | | |
|---|---|
| 1) Chris Bauer, CDTC - Freight Planning Update | 5) Matt Meyer, Danner Mobile Power Systems • Mobile Power Station |
| 2) Tom Phelan, Gannett Fleming/BHX Engineering - Regional Truck Parking Study Status Update | 6) Nick Raspanti, Zeem Solutions • Medium & Heavy-Duty Transportation as a Service |
| 3) Jacob Beeman, Capital District Clean Communities Coalition • New York Truck Voucher Incentive Program (NYTVIP) Presentation | 7) Royal Stanton, Northeast Equipment Supply • Firstgreen Industries Electric Skid Steer (equipment on-site) |
| 4) Jeff Emerine, BYD • BYD 8Y Electric Yard Tractor | 8) Mike Izdebski, Plug Power • HYVIA Master Van (vehicle on-site) |



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1. CDTC Freight Planning Update

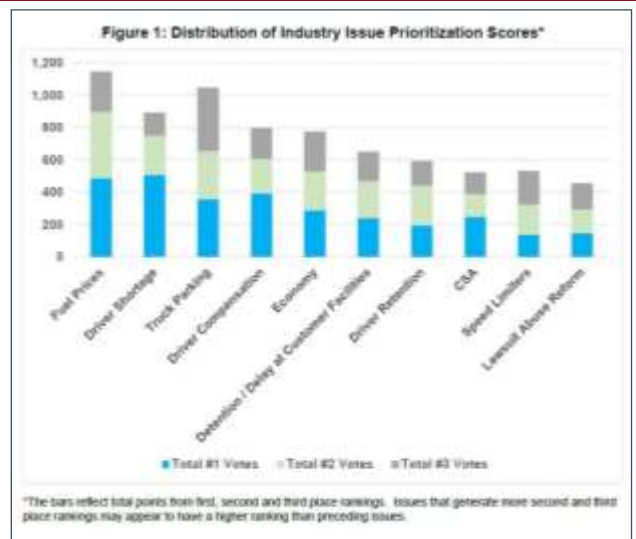
1. NCHRP Report 998: Planning Freight-Efficient Land Uses: Methodology, Strategies, and Tools released
 - RPI and UAlbany
 - Presentation on December 20 at CDTC New Visions webinar
 - <https://www.trb.org/Main/Blurbs/182807.aspx>
2. FHWA Truck Parking Handbook released
 - https://ops.fhwa.dot.gov/freight/infrastructure/truck_parking/docs/Truck_Parking_Development_Handbook.pdf



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1. CDTC Freight Planning Update

3. ATRI Critical Issues in the Truck Industry released
 - Fuel Prices moved ahead of the Driver Shortage as #1
 - Last time fuel made the top 10 was 2013, 8th
 - Truck Parking - 3rd
 - Economy - 5th after falling out of the survey in 2017



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1. CDTC Freight Planning Update

4. Tentative 2023 Freight Advisory Committee Dates

- February 15
- May 17
- August 16
- November 15



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2. Regional Truck Parking Study

- Tom Phelan, Gannett Fleming/BHX Engineering



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3-8. Multi-Modal Alternative Fuel Vehicles Showcase

3. **Jacob Beeman, Capital District Clean Communities Coalition**
 - New York Truck Voucher Incentive Program (NYTVIP) Presentation
4. **Jeff Emerine, BYD**
 - BYD 8Y Electric Yard Tractor
5. **Matt Meyer, Danner Mobile Power Systems**
 - Mobile Power Station
6. **Nick Raspanti, Zeem Solutions**
 - Medium & Heavy-Duty Transportation as a Service
7. **Royal Stanton, Northeast Equipment Supply**
 - Firstgreen Industries Electric Skid Steer (equipment on-site)
8. **Mike Izdebski, Plug Power**
 - HYVIA Master Van (vehicle on-site)



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Thank you for attending!

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 Capital District Transportation Committee
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